CITATION REPORT List of articles citing

Standardized myocardial segmentation and nomenclature for tomographic imaging of the heart. A statement for healthcare professionals from the Cardiac Imaging Committee of the Council on Clinical Cardiology of the American Heart Association

DOI: 10.1161/hc0402.102975 Circulation, 2002, 105, 539-42.

Source: https://exaly.com/paper-pdf/34031490/citation-report.pdf

Version: 2024-04-09

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
2285	Fig. 8		
2284	Magnetic resonance imaging determination of cardiac prognosis. <i>Circulation</i> , 2002 , 106, 2328-33	16.7	222
2283	[Evaluation of myocardial viability with contrast-enhanced magnetic resonance imagingcomparison of the late enhancement technique with positronemission tomography]. 2002 , 174, 867-73		24
2282	Usefulness of dynamic multislice computed tomography of left ventricular function in unstable angina pectoris and comparison with echocardiography. 2002 , 90, 1157-60		95
2281	Integrated approach to evaluating coronary artery disease and ischemic heart disease. 2002 , 90, 49L-55	SL.	11
2280	Validation of an evaluation routine for left ventricular volumes, ejection fraction and wall motion from gated cardiac FDG PET: a comparison with cardiac magnetic resonance imaging. 2003 , 30, 545-53		40
2279	The visualization and measurement of left ventricular deformation using finite element models. 2003 , 14, 299-326		11
2278	Relation of cardiac prognosis to segment location with apical left ventricular ischemia. 2003 , 92, 1206-8	3	10
2277	[Magnetic resonance imaging early after acute myocardial infarction. A visual analysis of myocardial perfusion based on a 17 segment model]. 2003 , 52, 7-14		4
2276	Dobutamine Cardiovascular Magnetic Resonance. 2003 , 7, 23-28		
2275	Force-frequency relationship in the echocardiography laboratory: a noninvasive assessment of Bowditch treppe?. 2003 , 16, 646-55		54
2274	Mitral annulus motion compared with wall motion scoring index in the assessment of left ventricular ejection fraction. 2003 , 16, 622-9		8
2273	Duration of abnormal SPECT myocardial perfusion imaging following resolution of acute ischemia: an angioplasty model. 2003 , 41, 452-9		27
2272	Myocardial viability in chronic ischemic heart disease: comparison of contrast-enhanced magnetic resonance imaging with (18)F-fluorodeoxyglucose positron emission tomography. 2003 , 41, 1341-8		156
2271	Catheter-based autologous bone marrow myocardial injection in no-option patients with advanced coronary artery disease: a feasibility study. 2003 , 41, 1721-4		347
2270	Magnetic resonance imaging of targeted catheter-based implantation of myogenic precursor cells into infarcted left ventricular myocardium. 2003 , 41, 1841-6		80
2269	Relationship of contractile function to transmural extent of infarction in patients with chronic coronary artery disease. 2003 , 42, 505-12		101

(2004-2003)

2268	Radionuclide viability testing: should it affect treatment strategy in patients with cardiomyopathy and significant coronary artery disease?. 2003 , 145, 758-67	17
2267	Quantitative assessment of left ventricular function with interactive real-time spiral and radial MR imaging. 2003 , 227, 870-6	29
2266	Procedure guidelines for radionuclide myocardial perfusion imaging. 2003 , 24, 1105-1119	18
2265	Ventricular volume and mass by CMR. 2002 , 4, 507-13	118
2264	Poster Abstracts: Clinical MRIâlschemic Heart Disease. 2003 , 5, 68-118	
2263	Changes in the parameters of left ventricular diastolic function according to age on tissue Doppler imaging. 2004 , 83, 466-9; 461-5	2
2262	Visualisation and quantification of peri-operative myocardial infarction after coronary artery bypass surgery with contrast-enhanced magnetic resonance imaging. 2004 , 25, 1293-9	37
2261	Ischemic cardiomyopathy: value of different MRI techniques for prediction of functional recovery after revascularization. 2004 , 182, 95-100	36
2260	Passive external cardiac constraint improves segmental left ventricular wall motion and reduces akinetic area in patients with non-ischemic dilated cardiomyopathy. 2004 , 25, 84-90	13
2259	[Assessment of global and regional left ventricular function with a 16-slice spiral-CT using two different software tools for quantitative functional analysis and qualitative evaluation of wall motion changes in comparison with magnetic resonance imaging]. 2004 , 176, 1786-93	29
2258	[Mobilization of stem cells by granulocyte colony-stimulating factor for the regeneration of myocardial tissue after myocardial infarction]. 2004 , 129, 424-8	29
2257	Quantitative Analyse von SPECT-Datensfizen des Herzens. 2004 , 27, 161-168	
2256	BSE procedure guidelines for the clinical application of stress echocardiography, recommendations for performance and interpretation of stress echocardiography: a report of the British Society of Echocardiography Policy Committee. 2004 , 90 Suppl 6, vi23-30	30
2255	Transcatheter transplantation of autologous skeletal myoblasts in postinfarction patients with severe left ventricular dysfunction. 2004 , 11, 695-704	87
2254	Experimental and clinical regenerative capability of human bone marrow cells after myocardial infarction. 2004 , 95, 742-8	401
2253	High ischemia-modified albumin concentration reflects oxidative stress but not myocardial involvement in systemic sclerosis. 2004 , 50, 2190-3	80
2252	Combined long- and short-axis myocardial perfusion cardiovascular magnetic resonance. 2004 , 6, 811-6	9
2251	Noninvasive angiography and assessment of left ventricular function using multislice computed tomography in patients with type 2 diabetes. 2004 , 27, 2905-10	52

2250	Right ventricular wall motion abnormalities found in healthy subjects by cardiovascular magnetic resonance imaging and characterized with a new segmental model. 2004 , 6, 601-8	52
2249	The extent of myocardial damage assessed by contrast-enhanced MRI is a major determinant of N-BNP concentration after myocardial infarction. 2004 , 6, 555-60	27
2248	Procedure guidelines for radionuclide myocardial perfusion imaging. 2004 , 90 Suppl 1, i1-10	46
2247	Myocardial scintigraphy using a fatty acid analogue detects coronary artery disease in hemodialysis patients. 2004 , 66, 811-9	41
2246	Comparison of myocardial gated single photon emission computerised tomography, planar radionuclide ventriculography and echocardiography in evaluating left ventricular ejection fraction, wall thickening and wall motion. 2004 , 58, 1120-6	6
2245	Temporal analysis of the depolarization wave of healed myocardial infarction in body surface potential mapping. 2004 , 9, 234-42	5
2244	Cardiac anatomy revisited. 2004 , 205, 159-77	126
2243	Usefulness of compensatory hyperkinesis in the noninfarcted left ventricular wall in separating single from multivessel coronary artery disease in patients with initial ST-elevation acute myocardial infarction. 2004 , 93, 201-3	3
2242	Magnetic resonance imaging evaluation of myocardial perfusion and viability in congenital and acquired pediatric heart disease. 2004 , 93, 657-61	88
2241	Head-to-head comparison between contrast-enhanced magnetic resonance imaging and dobutamine magnetic resonance imaging in men with ischemic cardiomyopathy. 2004 , 93, 1461-4	69
2240	Quantification of myocardial infarct size and transmurality by contrast-enhanced magnetic resonance imaging in men. 2004 , 94, 284-8	57
2239	Quantitative relation of ST-segment depression during exercise to the magnitude of myocardial ischemia as assessed by single-photon emission computed tomographic myocardial perfusion imaging. 2004 , 94, 703-8	14
2238	Dobutamine stress MRI. Part I. Safety and feasibility of dobutamine cardiovascular magnetic resonance in patients suspected of myocardial ischemia. 2004 , 14, 1823-8	49
2237	Visual estimation of the global myocardial extent of hyperenhancement on delayed contrast-enhanced MRI. 2004 , 14, 2182-7	24
2236	Evolving myocardial infarction with ST elevation: anatomic considerations regarding the correlation between the site of occlusion and injured segments of the heart. 2004 , 9, 71-7	3
2235	[A structured report data set for documentation of echocardiographic studiesUpdate 2004]. 2004 , 93, 987-1004	12
2234	Quantification of myocardial function using tagged MR and cine MR images. 2004 , 20, 497-508	6
2233	Combined CT-PET criteria for myocardial viability and scar: a preliminary report. 2004 , 20, 487-91	2

(2004-2004)

2232	Transplantation of progenitor cells after reperfused acute myocardial infarction: evaluation of perfusion and myocardial viability with FDG-PET and thallium SPECT. 2004 , 31, 1146-51	87
2231	MR and CT assessment for ischemic cardiac disease. 2004 , 19, 659-75	19
2230	Three-dimensional magnetic resonance imaging technique for myocardial-delayed hyperenhancement: a comparison with the two-dimensional technique. 2004 , 20, 378-82	12
2229	Delayed hyper-enhancement of myocardium in hypertrophic cardiomyopathy with asymmetrical septal hypertrophy: comparison with global and regional cardiac MR imaging appearances. 2004 , 20, 595-600	35
2228	Increasing the signal-to-noise ratio in DENSE MRI by combining displacement-encoded echoes. 2004 , 52, 188-92	29
2227	Do myocardial perfusion SPECT and radionuclide angiography studies in adult patients with hypertrophic cardiomyopathy have prognostic implications?. 2004 , 11, 578-86	8
2226	Prognostic validation of a 17-segment score derived from a 20-segment score for myocardial perfusion SPECT interpretation. 2004 , 11, 414-23	196
2225	Noninvasive assessment of coronary microvascular dysfunction using Tc-99m tetrofosmin SPECT in patients with acute myocardial infarction. 2004 , 11, 562-9	0
2224	Computerised planning of the acquisition of cardiac MR images. 2004 , 28, 411-8	18
2223	Biventricular myocardial kinematics based on tagged MRI from anatomical NURBS models.	2
2222	Mis-registration between emission and transmission data in cardiac PET/CT.	0
2221	Evaluation of the microcirculation on perfusion-phase analysis of ultrasound contrast echocardiography using intuitive and easy-to-use software tools.	
2220	American Society of Echocardiography recommendations for use of echocardiography in clinical trials. 2004 , 17, 1086-119	392
2219	[Section planes for cardiac MRI]. 2004, 85, 11-6	1
2218	MR imaging in ischemic heart disease. 2004 , 42, 651-73, vii	2
2217	Estudio de perfusi[n miocfdica por cardiorresonancia magntica: comparaci[n con la angiografa coronaria. 2004 , 57, 388-395	4
2216	Cardiac imaging using nuclear medicine and positron emission tomography. 2004 , 42, 619-34, vii	4
2215	Assesment of Myocardial Perfusion by Cardiovascular Magnetic Resonance: Comparison With Coronary Angiography. 2004 , 57, 388-395	1

Localization and Quantification of Myocardium at Risk by Myocardial Perfusion SPECT During 2214 Coronary Artery Occlusion. 2004, 57, 635-643 Real Time Myocardial Contrast Echocardiography to Predict Left Ventricular Wall Motion Recovery 2213 After Reperfused Acute Myocardial Infarction. 2004, 57, 815-825 The pathologic basis of Q-wave and non-Q-wave myocardial infarction: a cardiovascular magnetic 2212 133 resonance study. 2004, 44, 554-60 Functional significance of stenoses in coronary artery bypass grafts. Evaluation by single-photon emission computed tomography perfusion imaging, cardiovascular magnetic resonance, and angiography. 2004, 44, 1877-82 Assessment of non-ST-segment elevation acute coronary syndromes with cardiac magnetic 2210 138 resonance imaging. 2004, 44, 2173-81 Ecocardiografa de perfusilh mioclidica en tiempo real para la prediccilh de la recuperacilh de la 2209 funci[n ventricular despus del infarto agudo de miocardio reperfundido. 2004, 57, 815-825 [Assessment of cardiac function by magnetic resonance and multislice spiral computed 8 tomography]. **2004**, 85, 1766-82 Localizaci[n y cuantificaci[n del flea en riesgo mediante tomograffi computarizada por emisi[n de 2207 9 fotones simples de perfusilh mioclidica durante la oclusilh arterial coronaria. 2004, 57, 635-643 AHA conform visualization of conventionally acquired cardiac CT data using the toolkits itk and vtk. 2206 3 2004, 1268, 1096-1101 How reliable is electrocardiography in differentiating transmural from non-transmural myocardial 9 infarction? A study with contrast magnetic resonance imaging as gold standard. 2004, 97, 417-23 Hand-held echocardiographic examination of patients with symptoms of acute coronary syndromes in the emergency department: the 30-day outcome associated with normal left ventricular wall 39 motion. 2004, 148, 1096-101 High in-plane resolution T2-weighted magnetic resonance imaging of acute myocardial ischemia in 2203 pigs using the intravascular contrast agent NC100150 injection. 2004, 39, 470-8 Three-dimensional analysis of left ventricle regional wall motion by using gated blood pool 6 2202 tomography. 2004, 25, 971-8 2201 Building and using a statistical 3D motion atlas for analyzing myocardial contraction in MRI. 2004, 12 American Society of Echocardiography recommendations for use of echocardiography in clinical 2200 trialsA report from the american society of echocardiography's guidelines and standards 636 committee and the task force on echocardiography in clinical trials. 2004, 17, 1086-1119 2199 The Cardiovascular System. 2005, 163-177 Right ventricle shape and contraction patterns and relation to magnetic resonance imaging 2198 27 findings. 2005, 29, 725-33 2197 In-vivo motion analysis of bi-ventricular hearts from tagged MR images. 2005, 5746, 184

2196	An unsupervised approach for measuring myocardial perfusion in MR image sequences. 2005 , 5916, 126	3
2195	Automatic prediction of myocardial contractility improvement in stress MRI using shape morphometrics with independent component analysis. 2005 , 19, 321-32	5
2194	Single-session magnetic resonance coronary angiography and myocardial perfusion imaging using the new blood pool compound B-22956 (gadocoletic acid): initial experience in a porcine model of coronary artery disease. 2005 , 40, 604-13	14
2193	Region-driven statistical nonrigid registration: application to model-based segmentation and tracking of the heart in perfusion MRI. 2005 ,	3
2192	Lagrangian and Eulerian biventricular strains from anatomical NURBS models using tagged MRI. 2005 ,	
2191	The additional value of gadolinium-enhanced MRI to standard assessment for cardiac involvement in patients with pulmonary sarcoidosis. 2005 , 128, 1629-37	94
2190	Cardiac Function Estimation from MRI Using a Heart Model and Data Assimilation: Advances and Difficulties. 2005 , 325-337	6
2189	A non-rigid registration approach for quantifying myocardial contraction in tagged MRI using generalized information measures. 2005 , 9, 353-75	38
2188	Simulation of cardiac pathologies using an electromechanical biventricular model and XMR interventional imaging. 2005 , 9, 467-80	51
2187	Value of attenuation correction on ECG-gated SPECT myocardial perfusion imaging related to body mass index. 2005 , 12, 195-202	73
2186	Assessment of myocardial viability using F-18 fluorodeoxyglucose/Tc-99m sestamibi dual-isotope simultaneous acquisition SPECT: comparison with Tl-201 stress-reinjection SPECT. 2005 , 12, 451-9	9
2185	Hemodynamic evaluation of saphenous vein coronary artery bypass grafts: relative merits of Doppler flow velocity and SPECT perfusion imaging. 2005 , 12, 545-52	13
2184	Incremental prognostic value of combined perfusion and function assessment during myocardial gated SPECT in patients aged 75 years or older. 2005 , 12, 662-70	28
2183	Sixteen-slice spiral CT versus MR imaging for the assessment of left ventricular function in acute myocardial infarction. 2005 , 15, 714-20	120
2182	Viable myocardium: how much is enough?. 2005 , 22, 59-70	3
2181	Cardiac multidetector-row computed tomography in patients with unstable angina. 2005, 95, 457-61	56
2180	Comparison of low-mechanical index pulse sequence schemes for detecting myocardial perfusion abnormalities during vasodilator stress echocardiography. 2005 , 95, 565-70	32
2179	Which parameters on magnetic resonance imaging determine Q waves on the electrocardiogram?. 2005 , 95, 925-9	48

2178	Regional differences in systolic and diastolic function in arrhythmogenic right ventricular dysplasia/cardiomyopathy using magnetic resonance imaging. 2005 , 95, 1507-11	25
2177	Comparison of dobutamine stress echocardiography with and without real-time perfusion imaging for detection of coronary artery disease. 2005 , 96, 506-11	28
2176	Comparison of multidetector computed tomography versus echocardiography for assessing regional left ventricular function. 2005 , 96, 1011-5	44
2175	Relation of myocardial perfusion defects and nonsignificant coronary lesions by angiography with insights from intravascular ultrasound and coronary pressure measurements. 2005 , 96, 1621-6	23
2174	Spatial repolarization abnormalities in old myocardial infarction. 2005 , 38, 264-70	4
2173	Strut chordal-sparing mitral valve replacement preserves long-term left ventricular shape and function in pigs. 2005 , 130, 1675-82	13
2172	Multislice MR first-pass myocardial perfusion imaging: impact of the receiver coil array. 2005, 21, 310-6	7
2171	Value of contrast-enhanced, balanced cine-MR sequences in the assessment of apparent infarct size after acute myocardial infarction: a prospective comparison with delayed-enhancement sequences. 2005 , 22, 765-71	10
2170	Follow-up assessment of the collateral circulation in patients with Kawasaki disease who underwent dipyridamole stress technetium-99m tetrofosmin scintigraphy. 2005 , 26, 558-64	8
2169	EANM/ESC procedural guidelines for myocardial perfusion imaging in nuclear cardiology. 2005 , 32, 855-97	405
2168	Left ventricular wall motion analysis using real-time three-dimensional ultrasound. 2005, 31, 203-11	9
2167	Physiological range of mechanical synchronicity of the human heart: comparison between different echocardiographic assessment modalities. 2005 , 31, 1163-72	17
2166	Three-dimensional registration of myocardial perfusion SPECT and CT coronary angiography. 2005 , 19, 207-15	8
2165	Comparison of myocardial blood flow induced by adenosine triphosphate and dipyridamole in patients with coronary artery disease. 2005 , 19, 711-7	8
2164	Assessment of contractile response to dobutamine stress by means of ECG-gated myocardial	4
	SPECT: comparison with myocardial perfusion and fatty acid metabolism. 2005 , 19, 379-86	,
2163	SPECT: comparison with myocardial perfusion and fatty acid metabolism. 2005 , 19, 379-86 Bringing MRI to the cardiologist: can we learn from echocardiography?. 2005 , 7, 65-9	1
2163 2162		

2160	Cardiovascular MR Imaging Planes and Segmentation. 2005 , 85-98	1
2159	Interstudy reproducibility of quantitative perfusion cardiovascular magnetic resonance. 2005 , 7, 815-22	34
2158	Assessment of myocardial function: a review of quantification methods and results using tagged MRI. 2005 , 7, 501-16	98
2157	Contrast media in cardiovascular magnetic resonance. 2005 , 11, 2151-61	9
2156	Noninvasive assessment of left ventricular contractility by pacemaker stress echocardiography. 2005 , 7, 173-81	39
2155	Cardiomyopathy in Becker muscular dystrophydoes regional fibrosis mimic infarction?. 2005 , 7, 823-5	8
2154	Assessment of regional left ventricular function: accuracy and reproducibility of positioning standard short-axis sections in cardiac MR imaging. 2005 , 235, 229-36	51
2153	Quantitative assessment of regional peak myocardial acceleration during isovolumic contraction and relaxation times by tissue Doppler imaging. 2005 , 91, 811-6	19
2152	Myocardial late gadolinium enhancement cardiovascular magnetic resonance in hypertrophic cardiomyopathy caused by mutations in troponin I. 2005 , 91, 1036-40	75
2151	Practical Nuclear Medicine. 2005,	14
2150	Non-invasive evaluation of the myocardial substrate of cardiac amyloidosis by gadolinium cardiac magnetic resonance. 2006 , 92, 343-9	123
2149	Adult Echocardiography and Doppler. 2005 , 21, 91-110	1
2148	Technology insight: assessment of myocardial viability by delayed-enhancement magnetic resonance imaging. 2005 , 2, 150-8	25
2147	Acute myocardial infarction: assessment of left ventricular function with 16-detector row spiral CT versus MR imagingstudy in pigs. 2005 , 236, 112-7	49
2146	Cine MR imaging of myocardial contractile impairment in patients with hypertrophic cardiomyopathy attributable to Asp175Asn mutation in the alpha-tropomyosin gene. 2005 , 236, 815-24	31
2145	Comparison of hybrid echo-planar imaging and FLASH myocardial perfusion cardiovascular MR imaging. 2005 , 235, 237-43	26
2144	Coronary artery disease: myocardial perfusion MR imaging with sensitivity encoding versus conventional angiography. 2005 , 235, 423-30	104
2143	Usefulness of quantitative intravenous myocardial contrast echocardiography to analyze microvasculature perfusion in patients with a recent myocardial infarction and an open infarct-related artery: comparison with intracoronary myocardial contrast echocardiography. 2005 ,	8

2142	Effectiveness of delayed enhanced MRI for identification of cardiac sarcoidosis: comparison with radionuclide imaging. 2005 , 185, 110-5	129
2141	Coregistered MR imaging myocardial viability maps and multi-detector row CT coronary angiography displays for surgical revascularization planning: initial experience. 2005 , 237, 465-73	28
2140	Differentiating acute myocardial infarction from myocarditis: diagnostic value of early- and delayed-perfusion cardiac MR imaging. 2005 , 237, 75-82	171
2139	Heart. 2005 , 145-302	
2138	T1 measurement using a short acquisition period for quantitative cardiac applications. 2005 , 32, 1738-46	48
2137	Comparison of contrast-enhanced MRI with iodine-123 BMIPP for detection of myocardial damage in hypertrophic cardiomyopathy. 2005 , 185, 312-8	14
2136	Assessment of left ventricular contraction by parametric analysis of main motion (PAMM): theory and application for echocardiography. 2005 , 50, 3277-96	21
2135	Correspondence between left ventricular 17 myocardial segments and coronary arteries. 2005 , 26, 2637-43	95
2134	Transesophageal Echocardiography. 2005 , 21, 309-317	8
2133	Classification of Segmental Wall Motion in Echocardiography Using Quantified Parametric Images. 2005 , 477-486	6
2132	Role of echocardiography in the contemporary management of chronic heart failure. 2005 , 3, 51-70	4
2131	Functional Imaging and Modeling of the Heart. 2005,	10
2130	Cardiac imaging in coronary artery disease: differing modalities. 2005 , 91, 1110-7	60
2129	Metabolic imaging with beta-methyl-p-[(123)I]-iodophenyl-pentadecanoic acid identifies ischemic memory after demand ischemia. <i>Circulation</i> , 2005 , 112, 2169-74	163
2128	Cardiac involvement in patients with pulmonary sarcoidosis assessed at two university medical centers in the Netherlands. 2005 , 128, 30-5	113
2127	The feasibility and usefulness of contrast exercise echocardiography for the assessment of left ventricular function in master athletes. 2005 , 6, 24-30	5
2126	4D CT for respiratory gated attenuation corrections in canine cardiac PET imaging.	
2125	The utility of dobutamine stress echocardiography for perioperative and long-term cardiac risk assessment. 2005 , 19, 520-8	4

(2005-2005)

2124	AHA conform analysis of myocardial function using and extending the toolkits ITK and VTK. 2005 , 1281, 44-49	1
2123	Establishing a cardiac MRI program: problems, pitfalls, expectations. 2005 , 2, 740-8	3
2122	Can contrast dobutamine stress echocardiography be performed with standardized imaging settings for everybody?. 2005 , 18, 1194-202	3
2121	Quantification of parametric images to assess segmental wall motion of the left ventricle in echocardiography. 2005 ,	0
2120	ICARO: a computer aided diagnosis tool for the quantification of intracoronary and intravenous echocardiography. 2005 ,	1
2119	Myocardial motion analysis from B-mode echocardiograms. 2005 , 14, 525-36	96
2118	Myocardial contractility is early affected in systemic sclerosis: a tissue Doppler echocardiography study. 2005 , 6, 351-7	44
2117	Significance of exercise-induced ST segment elevation in Q leads in patients with a recent myocardial infarction and an open infarct-related artery Analysis with angiography, intracoronary myocardial contrast echocardiography and cardiac magnetic resonance. 2005 , 103, 85-91	6
2116	Effect of mobilization of bone marrow stem cells by granulocyte colony stimulating factor on clinical symptoms, left ventricular perfusion and function in patients with severe chronic ischemic heart disease. 2005 , 100, 477-83	76
2115	Comparison of real-time contrast echocardiography and low-dose dobutamine stress echocardiography in predicting the left ventricular functional recovery in patients after acute myocardial infarction under different therapeutic intervention. 2005 , 104, 81-91	12
2114	Diagnostic and prognostic value of dobutamine thallium-201 single-photon emission computed tomography after heart transplantation. 2005 , 24, 544-50	39
2113	Very early cardiac magnetic resonance imaging for quantification of myocardial tissue perfusion in patients receiving tirofiban before percutaneous coronary intervention for ST-elevation myocardial infarction. 2005 , 149, 564	27
2112	Relationships among exercise capacity, hypertrophy, and left ventricular diastolic function in nonobstructive hypertrophic cardiomyopathy. 2005 , 150, 144-9	17
2111	Treatment with granulocyte colony-stimulating factor for mobilization of bone marrow cells in patients with acute myocardial infarction. 2005 , 150, 115	75
2110	Comparative effects of nicorandil with isosorbide mononitrate on cardiac sympathetic nerve activity and left ventricular function in patients with ischemic cardiomyopathy. 2005 , 150, 477	19
2109	Size and transmural extent of first-time reperfused myocardial infarction assessed by cardiac magnetic resonance can be estimated by 12-lead electrocardiogram. 2005 , 150, 920	44
2108	[Myocardial perfusion (SPECT) in patients with non-Q-wave myocardial infarction]. 2005, 125, 574-7	1
2107	Estudio de la perfusilh coronaria postinfarto mediante anlisis cuantitativo de la ecocardiografa mioclidica con inyeccilh de contraste por va intravenosa. 2005 , 58, 137-144	2

Study of Post-Infarction Coronary Perfusion Using Quantitative Analysis of Myocardial Echocardiography With Intravenous Injection of Contrast. **2005**, 58, 137-144

2105	The use of nuclear cardiology in clinical decision making. 2005 , 35, 62-72	53
2104	Noninvasive diagnosis of coronary artery disease in patients with heart failure and systolic dysfunction of uncertain etiology, using late gadolinium-enhanced cardiovascular magnetic resonance. 2005 , 45, 743-8	139
2103	Safety of dobutamine stress real-time myocardial contrast echocardiography. 2005 , 45, 1235-42	76
2102	Evaluation of the accuracy of gadolinium-enhanced cardiovascular magnetic resonance in the diagnosis of cardiac sarcoidosis. 2005 , 45, 1683-90	441
2101	Assessment of myocardial viability in reperfused acute myocardial infarction using 16-slice computed tomography in comparison to magnetic resonance imaging. 2005 , 45, 2042-7	264
2100	Left ventricular non-compaction: insights from cardiovascular magnetic resonance imaging. 2005 , 46, 101-5	800
2099	ACCF/AHA clinical competence statement on cardiac imaging with computed tomography and magnetic resonance: a report of the American College of Cardiology Foundation/American Heart Association/American College of Physicians Task Force on Clinical Competence and Training. 2005,	161
2098	Initial clinical experience with regadenoson, a novel selective A2A agonist for pharmacologic stress single-photon emission computed tomography myocardial perfusion imaging. 2005 , 46, 2069-75	99
2097	Duration of ischemia is a major determinant of transmurality and severe microvascular obstruction after primary angioplasty: a study performed with contrast-enhanced magnetic resonance. 2005 , 46, 1229-35	167
2096	Myocardial delayed enhancement by magnetic resonance imaging in patients with Chagas' disease: a marker of disease severity. 2005 , 46, 1553-8	216
2095	Recommendations for chamber quantification: a report from the American Society of Echocardiography's Guidelines and Standards Committee and the Chamber Quantification Writing Group, developed in conjunction with the European Association of Echocardiography, a branch of	896 7
2094	Myocardial late enhancement in contrast-enhanced cardiac MRI: distinction between infarction scar and non-infarction-related disease. 2005 , 184, 1420-6	155
2093	Low-dose gadobenate dimeglumine versus standard-dose gadopentate dimeglumine for delayed contrast-enhanced cardiac magnetic resonance imaging. 2006 , 13, 833-9	39
2092	Noninvasive assessment of coronary artery disease in diabetic patients: the role of stress echocardiography. 2006 , 22 Suppl A, 26A-33A	3
2091	Autologous bone marrow-derived stem-cell transfer in patients with ST-segment elevation myocardial infarction: double-blind, randomised controlled trial. 2006 , 367, 113-21	1085
2090	Comparison of regional versus global assessment of left ventricular function in patients with left ventricular dysfunction, heart failure, or both after myocardial infarction: the valsartan in acute myocardial infarction echocardiographic study. 2006 , 19, 1462-5	42
2089	Mitral annulus motion as a predictor of mortality in a community-based sample of 75-year-old men and women. 2006 , 19, 88-94	4

(2006-2006)

2088	ACR practice guideline for the performance and interpretation of cardiac magnetic resonance imaging (MRI). 2006 , 3, 665-76	37
2087	[Cardiac anatomy and the radiologist]. 2006 , 87, 664-6	О
2086	Biventricular myocardial strains via nonrigid registration of anatomical NURBS model [corrected]. 2006 , 25, 94-112	34
2085	Sequential changes of myocardial function during acute myocardial infarction, in the early and chronic phase after coronary intervention described by ultrasonic strain rate imaging. 2006 , 19, 839-47	26
2084	Analyse de la fonction ventriculaire par IRM et TDM. 2006 , 46, 449-456	2
2083	Risk stratification with electrocardiographic-gated dobutamine stress technetium-99m sestamibi single-photon emission tomographic imaging: value of heart rate response and assessment of left ventricular function. 2006 , 47, 781-8	26
2082	Quantification of regional left ventricular wall motion from real-time 3-dimensional echocardiography in patients with poor acoustic windows: effects of contrast enhancement tested against cardiac magnetic resonance. 2006 , 19, 886-93	51
2081	[Myocarditis versus myocardial infarction in diabetic patients: a new role for non invasive imaging]. 2006 , 87, 388-90	2
2080	Limitations of Myocardial Blush Grade in the Evaluation of Myocardial Perfusion in Patients With Acute Myocardial Infarction and TIMI Grade 3 Flow. 2006 , 59, 575-581	1
2079	Safety of Early Cardiac Magnetic Resonance Imaging in Acute Myocardial Infarction Patients With Stents. 2006 , 59, 1261-1267	
2078	Limitaciones del blush miocEdico para el anlisis de la perfusilh miocEdica en pacientes con infarto agudo de miocardio y flujo TIMI 3. 2006 , 59, 575-581	10
2077	Seguridad de la realizaci[h precoz de un estudio de resonancia magntica cardiaca en pacientes con infarto agudo de miocardio y revascularizaci[h con stent. 2006 , 59, 1261-1267	2
2076	Hypertension and smoking are associated with reduced regional left ventricular function in asymptomatic: individuals the Multi-Ethnic Study of Atherosclerosis. 2006 , 47, 1150-8	103
2075	Noninvasive myocardial strain measurement by speckle tracking echocardiography: validation against sonomicrometry and tagged magnetic resonance imaging. 2006 , 47, 789-93	982
2074	Prediction of left ventricular function after drug-eluting stent implantation for chronic total coronary occlusions. 2006 , 47, 721-5	165
2073	Serum tenascin-C might be a novel predictor of left ventricular remodeling and prognosis after acute myocardial infarction. 2006 , 47, 2319-25	103
2072	Multidetector computed tomography myocardial perfusion imaging during adenosine stress. 2006 , 48, 153-60	233
2071	Evaluation of global and regional left ventricular function with 16-slice computed tomography, biplane cineventriculography, and two-dimensional transthoracic echocardiography: comparison with magnetic resonance imaging. 2006 , 48, 2034-44	124

Myocardial scars more frequent than expected: magnetic resonance imaging detects potential risk group. 2006 , 48, 765-71	90
Relationship between noninvasive coronary angiography with multi-slice computed tomography and myocardial perfusion imaging. 2006 , 48, 2508-14	370
2068 What is the prognostic value of myocardial perfusion imaging using rubidium-82 positron emission tomography?. 2006 , 48, 1029-39	291
Achieving quality in cardiovascular imaging: proceedings from the American College of 2067 Cardiology-Duke University Medical Center Think Tank on Quality in Cardiovascular Imaging. 2006 , 48, 2141-51	90
Strain rate dobutamine echocardiography for prediction of recovery after revascularization in patients with ischemic left ventricular dysfunction. 2006 , 12, 268-75	20
Clinical features of isolated ventricular noncompaction in adults long-term clinical course, echocardiographic properties, and predictors of left ventricular failure. 2006 , 12, 726-33	211
Sustained effect of autologous bone marrow mononuclear cell injection in patients with refractory angina pectoris and chronic myocardial ischemia: twelve-month follow-up results. 2006 , 152, 684.e11-6	52
Identification of the ischemic etiology of heart failure by cardiovascular magnetic resonance imaging: diagnostic accuracy of late gadolinium enhancement. 2006 , 151, 101-8	57
Elective percutaneous coronary intervention immediately impairs resting microvascular perfusion assessed by cardiac magnetic resonance imaging. 2006 , 151, 891.e1-7	19
Prediction of arrhythmic events with positron emission tomography: PAREPET study design and methods. 2006 , 27, 374-88	48
Incremental prognostic value of stress echo positivity in the left anterior descending coronary artery territory. 2006 , 109, 381-6	2
Analysis of the extension of Q-waves after infarction with body surface map: relationship with infarct size. 2006 , 111, 399-404	12
Prediction of necessity for coronary artery revascularization by adenosine contrast-enhanced magnetic resonance imaging. 2006 , 112, 184-90	22
Evaluation of no-reflow phenomenon using 201TlCl/123I-BMIPP dual-isotope myocardial SPECT. 2006 , 73, 258-64	3
Assessment of Left Ventricular Function in Cardiac MSCT Imaging by a 4D Hierarchical Surface-Volume Matching Process. 2006 , 2006, 37607	7
2055 . 2006 ,	1
2054 PET and MRI in Cardiac Imaging. 219-237	
The distal protection during primary percutaneous coronary intervention alleviates the adverse effects of large thrombus burden on myocardial reperfusion. 2006 , 70, 232-8	12

2052	Region-based statistical segmentation using informational active contours. 2006,	1
2051	Registration of 2D cardiac images to real-time 3D ultrasound volumes for 3D stress echocardiography. 2006 , 6144, 405	3
2050	Assessment of reversible myocardial dysfunction in chronic ischaemic heart disease: comparison of contrast-enhanced cardiovascular magnetic resonance and a combined positron emission tomography-single photon emission computed tomography imaging protocol. 2006 , 27, 846-53	91
2049	Magnetic resonance imaging of delayed enhancement in hypertrophic cardiomyopathy: relationship with left ventricular perfusion and contractile function. 2006 , 30, 412-20	43
2048	Do mechanical markers of myocardial ischaemia predict the transmural extent of myocardial infarction in man?. 2006 , 7, 400-5	1
2047	Multisegment and halfscan reconstruction of 16-slice computed tomography for assessment of regional and global left ventricular myocardial function. 2006 , 41, 400-9	36
2046	Assessment of myocardial viability using delayed enhancement magnetic resonance imaging at 3.0 Tesla. 2006 , 41, 661-7	64
2045	Importance of parametric mapping and deconvolution in analyzing magnetic resonance myocardial perfusion images. 2006 , 41, 374-83	8
2044	Persistent oxidative stress after myocardial infarction treated by percutaneous coronary intervention. 2006 , 210, 247-55	25
2043	Echocardiographic assessment of left ventricular mass in neonatal and adult mice: accuracy of different echocardiographic methods. 2006 , 23, 900-7	38
2042	Magnetocardiographic assessment of healed myocardial infarction. 2006 , 11, 211-21	11
2041	Myocardial Wall Motion Imaging with Cardiac Magnetic Resonance Imaging. 2006 , 10, 8-15	
2040	Diagnostic accuracy of rest/stress ECG-gated Rb-82 myocardial perfusion PET: comparison with ECG-gated Tc-99m sestamibi SPECT. 2006 , 13, 24-33	362
2039	Gated blood pool tomoscintigraphy with 4-dimensional optical flow motion analysis quantifies left ventricular mechanical activation and synchronization. 2006 , 13, 811-20	3
2038	Tissue Doppler evaluation of ventricular synchrony. 2006 , 8, 129-37	12
2037	Cardiac function estimation from MRI using a heart model and data assimilation: advances and difficulties. 2006 , 10, 642-56	119
2036	Myocardial perfusion imaging with adenosine triphosphate predicts the rate of cardiovascular events. 2006 , 13, 316-23	13
2035	Assessment of global and regional left ventricular function and volumes with 64-slice MSCT: a comparison with 2D echocardiography. 2006 , 13, 480-7	64

2034	Overestimation of postischemic myocardial stunning on gated SPECT imaging: correlation with echocardiography. 2006 , 13, 514-20	17
2033	A comparison of Tl-201, Tc-99m sestamibi, and Tc-99m tetrofosmin myocardial perfusion scintigraphy in patients with mild to moderate coronary stenosis. 2006 , 13, 488-94	11
2032	ECG-gated multi-detector row spiral CT in the assessment of myocardial infarction: correlation with non-invasive angiographic findings. 2006 , 16, 15-24	70
2031	Left ventricular function studied with MDCT. 2006 , 16, 342-57	105
2030	Contrast-enhanced adenosine-stress magnetic resonance imagingfeasibility and practicability of a protocol for detection or exclusion of ischemic heart disease in an outpatient setting. 2006 , 95, 461-7	8
2029	Clinical implication of adenosine-stress cardiac magnetic resonance imaging as potential gatekeeper prior to invasive examination in patients with AHA/ACC class II indication for coronary angiography. 2006 , 95, 531-8	52
2028	Diastolic function of the heart in mixed connective tissue disease. 2007 , 26, 176-81	13
2027	Feasibility of in vivo dual-energy myocardial SPECT for monitoring the distribution of transplanted cells in relation to the infarction site. 2006 , 33, 709-15	14
2026	Global and regional left ventricular function: a comparison between gated SPECT, 2D echocardiography and multi-slice computed tomography. 2006 , 33, 1452-60	30
2025	Prevalence of myocardial ischaemia as assessed with myocardial perfusion scintigraphy in patients with diabetes mellitus type 2 and mild anginal symptoms. 2006 , 33, 1468-76	8
2024	Assessment of myocardial viability in patients with myocardial infarction using twenty-four hour thallium-201 late redistribution imaging. 2006 , 20, 23-8	3
2023	Twenty-four-hour thallium-201 late redistribution imaging enhances the detection of myocardial viability after myocardial infarction. 2006 , 30, 16-21	1
2022	Concordance of electrocardiographic patterns and healed myocardial infarction location detected by cardiovascular magnetic resonance. 2006 , 97, 443-51	59
2021	Relation of end-diastolic wall thickness and the residual rim of viable myocardium by magnetic resonance imaging to myocardial viability assessed by fluorine-18 deoxyglucose positron emission tomography. 2006 , 97, 452-7	21
2020	Effect of body mass index on left ventricular cavity size and ejection fraction. 2006 , 97, 725-9	43
2019	Safety and feasibility of transendocardial autologous bone marrow cell transplantation in patients with advanced heart disease. 2006 , 97, 823-9	121
2018	Detection of myocardial scar by contrast-enhanced cardiac magnetic resonance imaging in patients with troponin-positive chest pain and minimal angiographic coronary artery disease. 2006 , 97, 768-71	48
2017	Effect of long-term cocaine use on regional left ventricular function as determined by magnetic resonance imaging. 2006 , 97, 1085-8	16

(2006-2006)

2016	diastolic function and extent of myocardial damage determined by magnetic resonance imaging. 2006 , 97, 1146-50	12
2015	Usefulness of intramyocardial injection of autologous bone marrow-derived mononuclear cells in patients with severe angina pectoris and stress-induced myocardial ischemia. 2006 , 97, 1326-31	54
2014	Relation between postexercise abnormal heart rate recovery and myocardial damage evidenced by gated single-photon emission computed tomography. 2006 , 97, 1452-4	18
2013	Impact of enzyme replacement therapy on cardiac morphology and function and late enhancement in Fabry's cardiomyopathy. 2006 , 97, 1515-8	114
2012	Detection of healed myocardial infarction with multidetector-row computed tomography and comparison with cardiac magnetic resonance delayed hyperenhancement. 2006 , 98, 149-55	39
2011	Influence of transmurality, infarct size, and severe microvascular obstruction on left ventricular remodeling and function after primary coronary angioplasty. 2006 , 98, 1033-40	114
2010	Relation between right ventricular structural alterations and markers of adverse clinical outcome in adults with systemic right ventricle and either congenital complete (after Senning operation) or congenitally corrected transposition of the great arteries. 2006 , 98, 1277-82	92
2009	Placebo or trimetazidine (99m)Tc tetrofosmin myocardial SPECT and low-dose dobutamine echocardiography in hibernating myocardium. 2006 , 37, 117-22	3
2008	Contrast-enhanced cardiac magnetic resonance in the evaluation of myocardial infarction and myocardial viability in patients with ischemic heart disease. 2006 , 31, 128-68	23
2007	Location of Q-wave myocardial infarction in the era of cardiac magnetic resonance imaging techniques. 2006 , 39, S79-81	3
2006	Comparison of MRI and positron emission tomography for measuring myocardial perfusion reserve in healthy humans. 2006 , 55, 772-9	50
2005	In vivo quantification of regional myocardial blood flow: validity of the fast-exchange approximation for intravascular T1 contrast agent and long inversion time. 2006 , 56, 340-7	8
2004	Value of dobutamine stress myocardial contrast perfusion echocardiography in patients with advanced liver disease. 2006 , 12, 592-9	37
2003	Sex-specific characteristics of cardiac function, geometry, and mass in young adult elite athletes. 2006 , 24, 297-303	36
2002	Dobutamine cardiovascular magnetic resonance: a review. 2006 , 24, 499-512	16
2001	Detailed analysis of myocardial motion in volunteers and patients using high-temporal-resolution MR tissue phase mapping. 2006 , 24, 1033-9	85
2000	Enhanced external counterpulsation reduces lung/heart ratio at stress in patients with coronary artery disease. 2006 , 106, 237-40	3
1999	Reevaluation of routine invasive strategy versus noninvasive testing following uncomplicated ST-elevation myocardial infarction. 2006 , 105, 240-5	1

1998	Myocardial viability: assessment with three-dimensional MR imaging in pigs and patients. 2006 , 239, 703-9	36
1997	Clinical and economic impact of stress echocardiography compared with exercise electrocardiography in patients with suspected acute coronary syndrome but negative troponin: a prospective randomized controlled study. 2007 , 28, 204-11	60
1996	Influence of time-to-treatment, TIMI-flow grades, and ST-segment resolution on infarct size and infarct transmurality as assessed by delayed enhancement magnetic resonance imaging. 2007 , 28, 1433-9	56
1995	Accelerated 4D dobutamine stress MR imaging with k-t BLAST: feasibility and diagnostic performance. 2006 , 241, 718-28	47
1994	Cardiac magnetic resonance perfusion imaging for the functional assessment of coronary artery disease: a comparison with coronary angiography and fractional flow reserve. 2006 , 27, 1465-71	144
1993	Cardiac imaging 2006. 2006 , 186, S337-9	3
1992	Funktionelle und morphologische Evaluierung - Stellenwert der MRT bei der Diagnostik der koronaren Herzerkrankung. 2006 , 35, 242-248	
1991	Myocardial tissue phase mapping with cine phase-contrast mr imaging: regional wall motion analysis in healthy volunteers. 2006 , 238, 816-26	84
1990	Synergy of MDCT and cine MRI for the evaluation of cardiac motility. 2006 , 186, S379-86	5
1989	[Cardiovascular whole-body MR imaging in patients with symptomatic peripheral arterial occlusive disease]. 2006 , 178, 491-9	9
1988	Diagnostic performance of stress perfusion and delayed-enhancement MR imaging in patients with coronary artery disease. 2006 , 240, 39-45	88
1987	Cardiac applications of multislice computed tomography. 2006 , 79, 9-16	6
1986	Cine delayed-enhancement MR imaging of the heart: initial experience. 2006 , 239, 856-62	9
1985	Limited flow reserve in non-obstructed bypass grafts supplying infarcted myocardium: implications for cardiovascular magnetic resonance imaging protocols. 2006 , 8, 373-9	5
1984	Cardiac magnetic resonance appearance of myocarditis caused by high dose IL-2: similarities to community-acquired myocarditis. 2006 , 8, 353-60	24
1983	Effects of torasemide on cardiac sympathetic nerve activity and left ventricular remodelling in patients with congestive heart failure. 2006 , 92, 1434-40	58
1982	CT and MRI of coronary artery disease: evidence-based review. 2006 , 187, S483-99	6
1981	Comparative effects of valsartan and enalapril on cardiac sympathetic nerve activity and plasma brain natriuretic peptide in patients with congestive heart failure. 2006 , 92, 625-30	40

(2007-2006)

1980	Review of myocardial motion estimation methods from optical flow tracking on ultrasound data. 2006 , 2006, 1537-40	13
1979	Comprehensive cardiac assessment with multislice computed tomography: evaluation of left ventricular function and perfusion in addition to coronary anatomy in patients with previous myocardial infarction. 2006 , 92, 1779-83	42
1978	An Essential Guide to Cardiac Cell Therapy. 2006,	2
1977	Simulation study of respiratory-induced errors in cardiac positron emission tomography/computed tomography. 2006 , 33, 2888-95	11
1976	2I-2 Quantification and MRI Validation of Regional Cardiac Contractile Dysfunction in Mice Post Myocardial Infarction Using High Resolution Ultrasound. 2006 ,	0
1975	Stem Cell Therapy and Tissue Engineering for Cardiovascular Repair. 2006,	3
1974	Human myocardium: single-breath-hold MR T1 mapping with high spatial resolutionreproducibility study. 2006 , 238, 1004-12	190
1973	Bildverarbeitung fildie Medizin 2006. 2006 ,	
1972	Sharing acute myocardial infarction databases through the internet with MySQL and PHP: A web-accessible database for clinical research networks. 2007 ,	1
1971	Using a Cell-to-ECG model to evaluate ischemia detection from different lead sets. 2007,	
1970	QUANTIFICATION OF CARDIAC DYSSYNCHRONY IN MICE AFTER MYOCARDIAL INFARCTION USING HIGH RESOLUTION ULTRASOUND. 2007 ,	
1969	Automatic detection of end systole within a sequence of left ventricular echocardiographic images using autocorrelation and mitral valve motion detection. 2007 , 2007, 4504-7	12
1968	Computation of coronary perfusion territories from CT angiography. 2007,	2
1967	Intramyocardial bone marrow cell transplantation and the progression of coronary atherosclerosis in patients with chronic myocardial ischemia. 2007 , 9, 243-51	4
1966	Extent of myocardial hyperenhancement on late gadolinium-enhanced cardiovascular magnetic resonance correlates with q waves in hypertrophic cardiomyopathy. 2007 , 9, 595-603	15
1965	Improved cardiac tagging resolution at ultra-high magnetic field elucidates transmural differences in principal strain in the mouse heart and reduced stretch in dilated cardiomyopathy. 2007 , 9, 883-90	6
1964	Volumetric analysis of regional left ventricular function with real-time three-dimensional echocardiography: validation by magnetic resonance and clinical utility testing. 2007 , 93, 572-8	51
1963	Interobserver variability in assessing segmental function can be reduced by combining visual analysis of CMR cine sequences with corresponding parametric images of myocardial contraction. 2007 , 9, 863-72	17

1962	Evaluation of cardiac sympathetic nerve activity and left ventricular remodelling in patients with dilated cardiomyopathy on the treatment containing carvedilol. 2007 , 28, 989-95	67
1961	A new echocardiographic approach for the detection of non-ischaemic fibrosis in hypertrophic myocardium. 2007 , 28, 3020-6	74
1960	1 M Gd-chelate (gadobutrol) for multislice first-pass magnetic resonance myocardial perfusion imaging. 2007 , 80, 884-92	8
1959	Late gadolinium enhancement-cardiovascular magnetic resonance as a predictor of response to cardiac resynchronization therapy in patients with ischaemic cardiomyopathy. 2007 , 9, 1031-7	125
1958	Beneficial effects of eplerenone versus hydrochlorothiazide on coronary circulatory function in patients with diabetes mellitus. 2007 , 92, 2552-8	60
1957	Normal and variant coronary arterial and venous anatomy on high-resolution CT angiography. 2007 , 188, 1665-74	27
1956	Clinically unrecognized myocardial infarction detected at MR imaging may not be associated with atherosclerosis. 2007 , 245, 103-10	27
1955	Is functional improvement after myocardial infarction predicted with myocardial enhancement patterns at multidetector CT?. 2007 , 244, 736-44	57
1954	Irreversible myocardial injury: assessment with cardiovascular delayed-enhancement MR imaging and comparison of 1.5 and 3.0 Tinitial experience. 2007 , 242, 735-42	25
1953	MR myocardial perfusion imaging with k-space and time broad-use linear acquisition speed-up technique: feasibility study. 2007 , 245, 863-71	36
1952	Dual-source CT with improved temporal resolution in assessment of left ventricular function: a pilot study. 2007 , 189, 1064-70	56
1951	Quantification of left ventricular noncompaction and trabecular delayed hyperenhancement with cardiac MRI: correlation with clinical severity. 2007 , 189, 974-80	69
1950	Correction of heart motion due to respiration in clinical myocardial perfusion SPECT scans using respiratory gating. 2007 , 48, 630-6	76
1949	Marked lipomatous infiltration of the right ventricle: MRI findings in relation to arrhythmogenic right ventricular dysplasia. 2007 , 188, W423-7	29
1948	The influence of fibre orientation, extracted from different segments of the human left ventricle, on the activation and repolarization sequence: a simulation study. 2007 , 9 Suppl 6, vi96-104	15
1947	Physical training in patients with chronic heart failure of ischemic origin: effect on exercise capacity and left ventricular remodeling. 2007 , 14, 85-91	30
1946	Computer based optimization of biventricular pacing according to the left ventricular 17 myocardial segments. 2007 , 2007, 1418-21	3
1945	RPS/GMM Approach toward the localization of myocardial infarction. 2007 ,	11

(2007-2007)

1944	prognostic value among older patients referred for cardiac catheterization. 2007 , 16, 229-35	4
1943	Using inverse electrocardiography to image myocardial infarction. 2007,	7
1942	Automated calculation of infarct transmurality. 2007,	1
1941	Magnetic resonance myocardial perfusion imaging: a new era in the detection of reversible myocardial ischaemia. 2007 , 93, 7-10	3
1940	An exercise tissue Doppler and strain rate imaging study of diastolic myocardial dysfunction after Kawasaki syndrome in childhood. 2007 , 17, 478-86	15
1939	Moderated Posters Session I. 2007 , 9, 169-174	
1938	Imaging sequences for first pass perfusiona review. 2007 , 9, 525-37	115
1937	Safety and diagnostic accuracy of stress cardiac magnetic resonance imaging vs exercise tolerance testing early after acute ST elevation myocardial infarction. 2007 , 93, 1363-8	36
1936	Prognostic value of myocardial perfusion gated SPECT in patients with symptomatic intracranial large-artery atherosclerosis. 2007 , 24, 247-54	5
1935	Friday Poster Session. 2007 , 9, 175-326	
1934	Comparison of contrast-enhanced MRI with (18)F-FDG PET/201Tl SPECT in dysfunctional myocardium: relation to early functional outcome after surgical revascularization in chronic ischemic heart disease. 2007 , 48, 1096-103	49
1933	Assessment of myocardial perfusion for detection of coronary artery stenoses by steady-state, free-precession magnetic resonance first-pass imaging. 2007 , 93, 1381-5	35
1932	Predictive accuracy of tissue Doppler imaging for assessment of noninfarct myocardial region in patients with acute myocardial infarction. 2007 , 16, 40-6	2
1931	Angiographic estimates of myocardium at risk during acute myocardial infarction: validation study using cardiac magnetic resonance imaging. 2007 , 28, 1750-8	130
1930	Contrast-enhanced cardiovascular magnetic resonance in primary and ischemic dilated cardiomyopathy. 2007 , 8, 821-9	25
1929	Global longitudinal strain measured by two-dimensional speckle tracking echocardiography is closely related to myocardial infarct size in chronic ischaemic heart disease. 2007 , 113, 287-96	145
1928	Q-wave prediction of myocardial infarct location, size and transmural extent at magnetic resonance imaging. 2007 , 18, 381-9	49
1927	Patient-specific coronary territory maps. 2007 ,	3

1926	Ischemia in women with angina and normal coronary angiograms. 2007, 18, 361-6	7
1925	A compartment model analysis for investigation of myocardial fatty acid metabolism in patients with hypertrophic cardiomyopathy. 2007 , 28, 726-35	9
1924	Understanding the heart: CT and MRI for coronary heart disease. 2007 , 22, 107-13	5
1923	Late enhancement detected by cardiac magnetic resonance imaging in acute myocarditis mimicking acute myocardial infarction: location patterns and lack of correlation with systolic function. 2007 , 8, 1029-33	10
1922	Myocardial first pass perfusion imaging with gadobutrol: impact of parallel imaging algorithms on image quality and signal behavior. 2007 , 42, 522-8	13
1921	CT of cardiac function. 2007 , 22, 86-100	21
1920	MR imaging evaluation of regional, remote, and global effects of percutaneous transluminal septal myocardial ablation in hypertrophic obstructive cardiomyopathy. 2007 , 31, 600-4	8
1919	Scar burden by myocardial perfusion imaging predicts echocardiographic response to cardiac resynchronization therapy in ischemic cardiomyopathy. 2007 , 153, 105-12	198
1918	Evolution of 5 cardiovascular magnetic resonance-derived viability indexes after reperfused myocardial infarction. 2007 , 153, 649-55	35
1917	Regional left ventricular function in individuals with mild to moderate renal insufficiency: the Multi-Ethnic Study of Atherosclerosis. 2007 , 153, 545-51	22
1916	Evaluation of cardiac magnetic resonance imaging parameters to detect anatomically and hemodynamically significant coronary artery disease. 2007 , 154, 298-305	34
1915	Training cardiovascular specialists in imaging: a curriculum based on fundamental concepts required for multimodal imaging. 2007 , 154, 838-45	5
1914	Sixty-four-MSCT in the characterization of porcine acute and subacute myocardial infarction: determination of transmurality in comparison to magnetic resonance imaging and histopathology. 2007 , 62, 235-46	36
1913	Autour de la tomoscintigraphie myocardique synchronisè. 2007 , 31, 624-630	1
1912	Late gadolinium-enhanced cardiovascular magnetic resonance identifies patients with standardized definition of ischemic cardiomyopathy: a single centre experience. 2007 , 116, 167-73	16
1911	Cardiovascular magnetic resonance findings in typical versus atypical forms of the acute apical ballooning syndrome (Takotsubo cardiomyopathy). 2007 , 120, 205-11	92
1910	Detection of cardiac small vessel disease by adenosine-stress magnetic resonance. 2007 , 121, 261-6	22
1909	Perfusi[h miocfdica alterada tras un infarto en pacientes con flujo TIMI 3 mantenido. ¿S[lo un fen[meno agudo?. 2007 , 60, 486-492	8

1908 Co	oViCAD: comprehensive visualization of coronary artery disease. 2007 , 13, 1632-9	33
	ne value of contrast dobutamine stress echocardiography on detecting coronary artery disease in verweight and obese patients. 2007 , 23, 885-9	19
	paired myocardial metabolic reserve and substrate selection flexibility during stress in patients ith idiopathic dilated cardiomyopathy. 2007 , 293, H3270-8	129
	terations of regional myocardial function in a swine model of myocardial infarction assessed by hocardiographic 2-dimensional strain imaging. 2007 , 20, 498-504	38
	clinical cardiovascular magnetic resonance service: operational considerations and the basic ramination. 2007 , 15, 473-85, v	1
1903 . 2	007,	
	clinical cardiovascular magnetic resonance service: operational considerations and the basic ramination. 2007 , 25, 1-13, v	4
1901 IR	M des cardiopathies ischmiques : indications et protocoles. 2007 , 47, 315-330	1
1900 Es	sential Echocardiography. 2007 ,	9
1899 B o	ody surface potential mapping for detection of myocardial infarct sites. 2007 ,	7
	ody surface potential mapping for detection of myocardial infarct sites. 2007, chocardiographical Sequence Analysis for the Diagnosis of Heart Wall Damage. 2007,	7
1898 Ec		7
1898 Ec	chocardiographical Sequence Analysis for the Diagnosis of Heart Wall Damage. 2007 , rognostic significance of electrocardiogram and cine magnetic resonance imaging parameters in	7
1898 Ecc 1897 Pr 1896 11 1896 Pcc	chocardiographical Sequence Analysis for the Diagnosis of Heart Wall Damage. 2007, rognostic significance of electrocardiogram and cine magnetic resonance imaging parameters in stients with idopathic dilated cardiomyopathy. 2007, B-2 Temporal and Spatial Analysis of Cardiac Contractile Dyssynchrony in Mouse Left Ventricle	98
1898 Ecc 1897 Propagation 1896 11 1896 Propagation 1896	chocardiographical Sequence Analysis for the Diagnosis of Heart Wall Damage. 2007, rognostic significance of electrocardiogram and cine magnetic resonance imaging parameters in stients with idopathic dilated cardiomyopathy. 2007, B-2 Temporal and Spatial Analysis of Cardiac Contractile Dyssynchrony in Mouse Left Ventricle ost Myocardial Infarction Using High Resolution Ultrasound. 2007, Deckle-tracking echocardiography correctly identifies segmental left ventricular dysfunction	
1898 Ecc 1897 Properties of the properties of t	chocardiographical Sequence Analysis for the Diagnosis of Heart Wall Damage. 2007, rognostic significance of electrocardiogram and cine magnetic resonance imaging parameters in attents with idopathic dilated cardiomyopathy. 2007, B-2 Temporal and Spatial Analysis of Cardiac Contractile Dyssynchrony in Mouse Left Ventricle ost Myocardial Infarction Using High Resolution Ultrasound. 2007, seeckle-tracking echocardiography correctly identifies segmental left ventricular dysfunction duced by scarring in a rat model of myocardial infarction. 2007, 292, H2809-16	98
1898 Ecc 1897 Pa 1896 11 1896 Pcc 1895 incc 1894 52 1893 incc	chocardiographical Sequence Analysis for the Diagnosis of Heart Wall Damage. 2007, ognostic significance of electrocardiogram and cine magnetic resonance imaging parameters in Itients with idopathic dilated cardiomyopathy. 2007, B-2 Temporal and Spatial Analysis of Cardiac Contractile Dyssynchrony in Mouse Left Ventricle ost Myocardial Infarction Using High Resolution Ultrasound. 2007, peckle-tracking echocardiography correctly identifies segmental left ventricular dysfunction duced by scarring in a rat model of myocardial infarction. 2007, 292, H2809-16 etection of myocardial ischemia by stress perfusion cardiovascular magnetic resonance. 2007, 15, 17-40, vi	98

1890	Role of echocardiography in the diagnostic assessment and etiology of heart failure in the elderlyopacify, quantify, and rectify. 2007 , 3, 403-22	3
1889	Left ventricular asynchrony in patients with hypertrophic cardiomyopathy: its determinants and its relation to left ventricular function. 2007 , 20, 1247-52	4
1888	Determination of size and transmural extent of acute myocardial infarction by real-time myocardial perfusion echocardiography: a comparison with magnetic resonance imaging. 2007 , 20, 126-35	12
1887	Evaluation of blood flow reserve in left anterior descending coronary artery territory by quantitative myocardial contrast and Doppler echocardiography. 2007 , 20, 709-16	25
1886	Role of echocardiography in the diagnostic assessment and etiology of heart failure in the elderlyopacify, quantify, and rectify. 2007 , 23, 31-59	1
1885	Head-to-head comparison of dobutamine and adenosine stress real-time myocardial perfusion echocardiography for the detection of coronary artery disease. 2007 , 20, 1109-17	22
1884	Does postsystolic motion or shortening predict recovery of myocardial function after primary percutanous coronary intervention?. 2007 , 20, 505-11	19
1883	Reformatted Four-Chamber and Short-Axis Views of the Heart Using Thin Section (. 2007 , 14, 1108-12	22
1882	Significado claico del realce tardo de gadolinio con resonancia magntica en pacientes con miocardiopata hipertrafica. 2007 , 60, 15-23	33
1881	Nueva terminologa de las paredes del corazan y nueva clasificacian electrocardiogratica de los infartos con onda Q basada en la correlacian con la resonancia magnatica. 2007 , 60, 683-689	11
1880	[Predictors of improved left ventricular systolic function after surgical revascularization in patients with ischemic cardiomyopathy]. 2007 , 60, 943-51	14
1879	Ultrasound imaging versus morphopathology in cardiovascular diseases: the heart failure. 2007 , 5, 5	3
1878	Clinical Significance of Late Gadolinium Enhancement on Cardiac Magnetic Resonance in Patients With Hypertrophic Cardiomyopathy. 2007 , 60, 15-23	
1877	Abnormal Myocardial Perfusion After Infarction in Patients With Persistent TIMI Grade-3 Flow. Only an Acute Phenomenon?. 2007 , 60, 486-492	
1876	New Heart Wall Terminology and New Electrocardiographic Classification of Q-Wave Myocardial Infarction Based on Correlations With Magnetic Resonance Imaging. 2007 , 60, 683-689	3
1875	Diagnostic value of contrast-enhanced magnetic resonance imaging and single-photon emission computed tomography for detection of myocardial necrosis early after acute myocardial infarction. 2007 , 49, 208-16	113
1874	Comparison of surgical septal myectomy and alcohol septal ablation with cardiac magnetic resonance imaging in patients with hypertrophic obstructive cardiomyopathy. 2007 , 49, 350-7	162
1873	A randomized controlled trial of multi-slice coronary computed tomography for evaluation of acute chest pain. 2007 , 49, 863-71	494

(2007-2007)

1872	Relationship between C-reactive protein levels and regional left ventricular function in asymptomatic individuals: the Multi-Ethnic Study of Atherosclerosis. 2007 , 49, 594-600	37
1871	Effects of intravenous atrial natriuretic peptide on cardiac sympathetic nerve activity and left ventricular remodeling in patients with first anterior acute myocardial infarction. 2007 , 49, 667-74	63
1870	Diagnostic accuracy of rubidium-82 myocardial perfusion imaging with hybrid positron emission tomography/computed tomography in the detection of coronary artery disease. 2007 , 49, 1052-8	214
1869	Early prediction of infarct size by strain Doppler echocardiography after coronary reperfusion. 2007 , 49, 1715-21	104
1868	Cardiovascular magnetic resonance perfusion imaging at 3-tesla for the detection of coronary artery disease: a comparison with 1.5-tesla. 2007 , 49, 2440-9	172
1867	Quantitative magnetic resonance perfusion imaging detects anatomic and physiologic coronary artery disease as measured by coronary angiography and fractional flow reserve. 2007 , 50, 514-22	125
1866	Prognostic value of dipyridamole stress cardiovascular magnetic resonance imaging in patients with known or suspected coronary artery disease. 2007 , 50, 1174-9	120
1865	Evaluation of myocardial ischemia after surgical repair of anomalous aortic origin of a coronary artery in a series of pediatric patients. 2007 , 50, 2078-82	113
1864	Role of right ventricular wall motion abnormalities in risk stratification and prognosis of patients referred for stress echocardiography. 2007 , 50, 1981-9	36
1863	Early and delayed myocardial enhancement in myocardial infarction using two-phase contrast-enhanced multidetector-row CT. 2007 , 8, 94-102	13
1862	Standardized T2* map of normal human heart in vivo to correct T2* segmental artefacts. 2007 , 20, 578-90	88
1861	Improved cine displacement-encoded MRI using balanced steady-state free precession and time-adaptive sensitivity encoding parallel imaging at 3 T. 2007 , 20, 591-601	408
1860	Quantitative assessment of regional left ventricular function with cardiac MRI: three-dimensional centersurface method. 2007 , 69, 721-8	15
1859	Pattern and distribution of myocardial fibrosis in systemic sclerosis: a delayed enhanced magnetic resonance imaging study. 2007 , 56, 3827-36	167
1858	Temporal DeltaB0 and relaxation in the rat heart. 2007 , 58, 939-46	3
1857	Detection of myocarditis by contrast-enhanced MRI in patients presenting with acute coronary syndrome but no coronary stenosis. 2007 , 25, 957-64	46
1856	High temporal resolution breathheld 3D FIESTA CINE imaging: validation of ventricular function in patients with chronic myocardial infarction. 2007 , 25, 1141-6	11
1855	Evaluation of regional myocardial function using automated wall motion analysis of cine MR images: Contribution of parametric images, contraction times, and radial velocities. 2007 , 26, 1127-32	15

1854	Direct comparison of myocardial perfusion cardiovascular magnetic resonance sequences with parallel acquisition. 2007 , 26, 1444-51	22
1853	Quantification and MRI validation of regional contractile dysfunction in mice post myocardial infarction using high resolution ultrasound. 2007 , 33, 894-904	68
1852	Holistic polar map for integrated evaluation of cardiac imaging results. 2007 , 31, 577-86	5
1851	The diagnostic accuracy of 64-slice computed tomography coronary angiography compared with stress nuclear imaging in emergency department low-risk chest pain patients. 2007 , 49, 125-36	224
1850	Prognostic value of gated SPECT in patients with left bundle branch block. 2007 , 14, 75-81	16
1849	Assessment of myocardial perfusion by dynamic O-15-labeled water PET imaging: validation of a new fast factor analysis. 2007 , 14, 698-705	12
1848	Adenosine versus regadenoson comparative evaluation in myocardial perfusion imaging: results of the ADVANCE phase 3 multicenter international trial. 2007 , 14, 645-58	236
1847	Diagnostic impact of SPECT image display on assessment of obstructive coronary artery disease. 2007 , 14, 659-68	8
1846	Myocardial perfusion imaging evidence of functionally complete revascularization by minimally invasive direct coronary artery bypass in 2-vessel coronary artery disease. 2007 , 14, 860-8	1
1845	Side effect profile and tolerability of adenosine myocardial perfusion scintigraphy in patients with mild asthma or chronic obstructive pulmonary disease. 2007 , 14, 827-34	17
1844	Regional wall-motion abnormalities on post-stress electrocardiographic-gated technetium-99m sestamibi single-photon emission computed tomography imaging predict cardiac events. 2007 , 14, 810-7	12
1843	Boundary element method-based regularization for recovering of LV deformation. 2007, 11, 540-54	25
1842	Prognostic value of SPECT myocardial perfusion imaging in patients with elevated cardiac troponin I levels and atypical clinical presentation. 2007 , 14, 53-8	13
1841	Can we enhance quality in nuclear cardiology?. 2007 , 14, 139-41	1
1840	Fragmented QRS complexes not typical of a bundle branch block: a marker of greater myocardial perfusion tomography abnormalities in coronary artery disease. 2007 , 14, 347-53	54
1839	Assessment of transient left ventricular dilation ratio via 2-day dipyridamole Tc-99m sestamibi nongated myocardial perfusion imaging. 2007 , 14, 529-36	22
1838	D'veloppement et valuation dâline m'thode de segmentation automatique de lâlindocarde sur des images acquises par r'sonance magn'tique. 2007 , 28, 117-123	5
1837	Role of echocardiography in diagnosis and risk stratification in heart failure with left ventricular systolic dysfunction. 2007 , 5, 34	47

(2007-2007)

	22
Cardiac functional stress imaging: a sequential approach with stress echo and cardiovascular magnetic resonance. 2007 , 5, 47	9
1834 Cardiac magnetic resonance in Chagas' disease. 2007 , 31, 259-67	41
Effect of posterolateral left ventricular scar on mortality and morbidity following cardiac resynchronization therapy. 2007 , 30, 1201-9	101
Dobutamine stress magnetic resonance imaging. 2007 , 24, 309-15	6
Role of parasternal data acquisition during contrast enhanced real-time three-dimensional echocardiography. 2007 , 24, 1081-5	7
1830 Coronary endarterectomy on beating heart: is it worth doing?. 2007 , 22, 69-72	8
Delayed presentation of low molecular weight heparin treatment failure in a patient with mitral valve prosthesis. 2007 , 22, 61-2	4
1828 Surgical repair of a congenital left ventricular aneurysm. 2007 , 22, 62-5	3
1827 Blind surgical coronary revascularization. 2007 , 22, 65-6	
The role of noninvasive imaging in assessing hemodynamically significant coronary artery stenoses. 2007 , 22, 67-9	
	6
2007, 22, 67-9 Cardiac valve papillary fibroelastoma: surgical excision for revealed or potential embolization. 2007	6 5
2007, 22, 67-9 Cardiac valve papillary fibroelastoma: surgical excision for revealed or potential embolization. 2007, 22, 72-3 Anaesthesiological and ventilatory precautions during cardiac surgery in Steinert's disease. 2007,	
2007, 22, 67-9 Cardiac valve papillary fibroelastoma: surgical excision for revealed or potential embolization. 2007, 22, 72-3 Anaesthesiological and ventilatory precautions during cardiac surgery in Steinert's disease. 2007, 22, 74-5	5
Cardiac valve papillary fibroelastoma: surgical excision for revealed or potential embolization. 2007, 22, 72-3 Anaesthesiological and ventilatory precautions during cardiac surgery in Steinert's disease. 2007, 22, 74-5 A case report of coronary subclavian steal syndrome in a young woman. 2007, 22, 76-7 New terminology of the cardiac walls and new classification of Q-wave M infarction based on	5 4
Cardiac valve papillary fibroelastoma: surgical excision for revealed or potential embolization. 2007, 22, 72-3 Anaesthesiological and ventilatory precautions during cardiac surgery in Steinert's disease. 2007, 22, 74-5 A case report of coronary subclavian steal syndrome in a young woman. 2007, 22, 76-7 New terminology of the cardiac walls and new classification of Q-wave M infarction based on cardiac magnetic resonance correlations. 2007, 12, 1-4 Comparison of multidetector computed tomography and two-dimensional transthoracic	5 4 8

1818	Effect of left ventricular scar size, location, and transmurality on left ventricular remodeling with healed myocardial infarction. 2007 , 99, 1109-14	117
1817	Comparison of magnetic resonance perfusion imaging versus invasive fractional flow reserve for assessment of the hemodynamic significance of epicardial coronary artery stenosis. 2007 , 99, 1090-5	27
1816	Relation of left ventricular chamber stiffness at rest to exercise capacity in hypertrophic cardiomyopathy. 2007 , 99, 1454-7	18
1815	Relation of myocardial blush grade to microvascular perfusion and myocardial infarct size after primary or rescue percutaneous coronary intervention. 2007 , 99, 1671-3	44
1814	Yield of early rest and stress myocardial perfusion single-photon emission computed tomography and electrocardiographic exercise test in patients with atypical chest pain, nondiagnostic electrocardiogram, and negative biochemical markers in the emergency department. 2007 , 99, 1662-6	14
1813	Relation of pain-to-balloon time and myocardial infarct size in patients transferred for primary percutaneous coronary intervention. 2007 , 100, 28-34	17
1812	Clinical features and usefulness of cardiac magnetic resonance imaging in assessing myocardial viability and prognosis in Takotsubo cardiomyopathy (transient left ventricular apical ballooning syndrome). 2007 , 100, 296-301	89
1811	Comparison of myocardial infarct size assessed with contrast-enhanced magnetic resonance imaging and left ventricular function and volumes to predict mortality in patients with healed myocardial infarction. 2007 , 100, 930-6	533
1810	Intramyocardial injection of autologous bone marrow mononuclear cells in patients with chronic myocardial infarction and severe left ventricular dysfunction. 2007 , 100, 1094-8	52
1809	Comparison between dobutamine echocardiography and single-photon emission computed tomography for interpretive reproducibility. 2007 , 100, 1239-44	11
1808	Comparison of two- versus three-dimensional myocardial contrast echocardiography for assessing subendocardial perfusion abnormality after percutaneous coronary intervention in patients with acute myocardial infarction. 2007 , 100, 1502-10	7
1807	Relation of optimal lead positioning as defined by three-dimensional echocardiography to long-term benefit of cardiac resynchronization. 2007 , 100, 1671-6	466
1806	Resynchronization and strain recovery following reimplantation of anomalous coronary artery: a tissue Doppler and three-dimensional echocardiographic study. 2007 , 2, 58-63	2
1805	Feasibility of biventricular pacing in patients with recent myocardial infarction: impact on ventricular remodeling. 2007 , 13, 9-15	18
1804	Location of Q-wave myocardial infarction in the era of cardiac magnetic resonance imaging techniques: an update. 2007 , 40, 69-71	9
1803	Automated heart abnormality detection using sparse linear classifiers. 2007 , 26, 56-63	23
1802	Dual breath-hold magnetic resonance cine evaluation of global and regional cardiac function. 2007 , 17, 73-80	40
1801	Diagnostic value of ECG-gated multidetector computed tomography in the early phase of suspected acute myocarditis. A preliminary comparative study with cardiac MRI. 2007 , 17, 331-8	39

1800	Assessment of regional left ventricular function with multidetector-row computed tomography versus magnetic resonance imaging. 2007 , 17, 1009-17	54
1799	Energetic differences between viable and non-viable myocardium in patients with recent myocardial infarction are not an effect of differences in wall thinning- a multivoxel (31)P-MR-spectroscopy and MRI study. 2007 , 17, 1275-83	2
1798	Characterization of myocardial viability using MR and CT imaging. 2007, 17, 1433-44	21
1797	Value of MRI in patients with a clinical suspicion of acute myocarditis. 2007 , 17, 2211-7	74
1796	Accuracy of contrast-enhanced cine-MR sequences in the assessment of left ventricular function: comparison with precontrast cine-MR sequences. Results of a bicentric study. 2007 , 17, 2838-44	9
1795	Sixty-four-slice CT in the assessment of global and regional left ventricular function: comparison with MRI in a porcine model of acute and subacute myocardial infarction. 2007 , 17, 2948-56	22
1794	Global and regional evaluation of systolic and diastolic left ventricular temporal parameters using a novel program for ECG-gated myocardial perfusion SPECTvalidation by comparison with gated equilibrium radionuclide angiography and speckle-tracking radial strain from echocardiography.	22
1793	2007, 21, 115-21 Use of coronary calcium score scans from stand-alone multislice computed tomography for attenuation correction of myocardial perfusion SPECT. 2007, 34, 11-9	93
1792	Validation of a new cardiac image fusion software for three-dimensional integration of myocardial perfusion SPECT and stand-alone 64-slice CT angiography. 2007 , 34, 1097-106	121
1791	Nitrate-enhanced gated SPECT in patients with primary angioplasty for acute myocardial infarction: evidence of a reversible and nitrate-sensitive impairment of myocardial perfusion. 2007 , 34, 1981-90	15
1790	Cardiac 82Rubidium PET/CT: initial European experience. 2007 , 34, 1965-72	18
1789	Can late gadolinium enhancement by cardiovascular magnetic resonance identify coronary artery disease as the etiology of new onset congestive heart failure?. 2007 , 23, 595-602	11
1788	Myocardial viability by contrast-enhanced cardiovascular magnetic resonance in patients with coronary artery disease: comparison with gated single-photon emission tomography and FDG position emission tomography. 2007 , 23, 757-65	20
1787	Comparative evaluation of active contour model extensions for automated cardiac MR image segmentation by regional error assessment. 2007 , 20, 69-82	13
1786	Relationships among regional diastolic impairment, elongation of global time to peak filling rate, and global diastolic function using ECG-gated myocardial perfusion SPECT in heart failure. 2007 , 21, 419-27	5
1785	How to quantify infarct size on delayed-enhancement MR images: a comparison between visual and quantitative approach. 2007 , 112, 959-68	5
1784	Imaging of myocardial infarction using a 64-slice MDCT scanner: correlation between infarcted region and status of territory-dependent coronary artery. 2007 , 112, 1100-16	2
1783	Quantitative assessment of regional left ventricular wall thickness and thickening using 16 multidetector-row computed tomography: comparison with cine magnetic resonance imaging. 2007 , 25, 119-26	14

1782	Rapid assessment of regional and global left ventricular function using three-dimensional k-t BLAST imaging. 2008 , 26, 727-38	7
1781	Twenty-four-month alpha-galactosidase A replacement therapy in Fabry disease has only minimal effects on symptoms and cardiovascular parameters. 2008 , 31, 432-41	32
1780	Reduced adverse effects with an accelerated dobutamine stress protocol compared with the conventional protocol: a prospective, randomized myocardial perfusion scintigraphy study. 2008 , 24, 55-9	3
1779	Diagnostic accuracy of quantitative cardiac MRI evaluation compared to stress single-photon-emission computed tomography. 2008 , 24, 293-9	6
1778	Frame rate requirement for tissue Doppler imaging in different phases of cardiac cycle: radial and longitudinal functions. 2008 , 24, 377-87	4
1777	Delayed enhancement cardiac magnetic resonance imaging reveals typical patterns of myocardial injury in patients with various forms of non-ischemic heart disease. 2008 , 24, 597-607	70
1776	Perfusion weighted color maps for enhanced visualization of myocardial infarction by MSCT: preliminary experience. 2008 , 24, 883-90	18
1775	Prognostic study of risk stratification among Japanese patients with ischemic heart disease using gated myocardial perfusion SPECT: J-ACCESS study. 2008 , 35, 319-28	130
1774	Sources of attenuation-correction artefacts in cardiac PET/CT and SPECT/CT. 2008, 35, 1117-23	76
1773	Assessment of ventricular structure and function with multidetector CT and MRI. 2008, 10, 67-71	6
1772	Evaluation of myocardial perfusion and function by gated SPECT in patients with Behät's disease. 2008 , 22, 287-95	13
1771	Diagnostic accuracy of supine and prone thallium-201 stress myocardial perfusion single-photon emission computed tomography to detect coronary artery disease in inferior wall of left ventricle. 2008 , 22, 317-21	13
1770	QRS complex duration and dipyridamole gated SPECT findings in the left bundle branch block. 2008 , 22, 565-70	1
1769	Relationship between left ventricular function and wall motion synchrony in heart failure assessed by ECG-gated myocardial perfusion SPECT. 2008 , 22, 751-9	8
1768	Clinical significance of diastolic function as an indicator of myocardial ischemia assessed by 16-frame gated myocardial perfusion SPECT. 2008 , 22, 677-83	12
1767	Characterization of patients with acute chest pain using cardiac magnetic resonance imaging. 2008 , 97, 760-7	44
1766	Contrast-enhanced magnetic resonance imaging reveals early decrease of transmural extent of reperfused acute myocardial infarction. 2008 , 97, 913-6	7
1765	Late gadolinium uptake demonstrated with magnetic resonance in patients where automated PERFIT analysis of myocardial SPECT suggests irreversible perfusion defect. 2008 , 8, 17	1

(2008-2008)

1764	Diastolic time - frequency relation in the stress echo lab: filling timing and flow at different heart rates. 2008 , 6, 15	52
1763	Head to head comparison of 2D vs real time 3D dipyridamole stress echocardiography. 2008 , 6, 31	21
1762	Arterial pressure changes monitoring with a new precordial noninvasive sensor. 2008, 6, 41	11
1761	Myocardial first-pass perfusion cardiovascular magnetic resonance: history, theory, and current state of the art. 2008 , 10, 18	157
1760	Utility of Cardiac Magnetic Resonance to assess association between admission hyperglycemia and myocardial damage in patients with reperfused ST-segment elevation myocardial infarction. 2008 , 10, 2	7
1759	Feasibility of single breath-hold left ventricular function with 3 Tesla TSENSE acquisition and 3D modeling analysis. 2008 , 10, 24	14
1758	Cardiac function and myocardial perfusion immediately following maximal treadmill exercise inside the MRI room. 2008 , 10, 3	36
1757	Comparison of cardiovascular magnetic resonance of late gadolinium enhancement and diastolic wall thickness to predict recovery of left ventricular function after coronary artery bypass surgery. 2008 , 10, 41	20
1756	Dobutamine stress cardiovascular magnetic resonance at 3 Tesla. 2008 , 10, 44	17
1755	Cardiovascular magnetic resonance of scar and ischemia burden early after acute ST elevation and non-ST elevation myocardial infarction. 2008 , 10, 47	28
1754	Estimating myocardial perfusion from dynamic contrast-enhanced CMR with a model-independent deconvolution method. 2008 , 10, 52	39
1753	Three dimensional first-pass myocardial perfusion imaging at 3T: feasibility study. 2008 , 10, 57	45
1752	Combined myocardial stress perfusion imaging and myocardial stress tagging for detection of coronary artery disease at 3 Tesla. 2008 , 10, 59	18
1751	Angiographic correlations of patients with small vessel disease diagnosed by adenosine-stress cardiac magnetic resonance imaging. 2008 , 10, 8	48
1750	1004 Relation between three-dimensional echocardiography derived left ventricular volume and MRI derived circumferential strain in patients eligible for cardiac resynchronization therapy. 2008 , 10,	
1749	Multicenter double blind trial of autologous bone marrow mononuclear cell transplantation through intracoronary injection post acute myocardium infarction - MiHeart/AMI study. 2008 , 9, 41	11
1748	Determination of transmural, endocardial, and epicardial radial strain and strain rate from phase contrast MR velocity data. 2008 , 27, 522-8	23
1747	Single-breathhold four-dimensional assessment of left ventricular volumes and function using k-t BLAST after application of extracellular contrast agent at 3 Tesla. 2008 , 27, 1028-36	12

1746	Quantification of left ventricular internal flow from cardiac magnetic resonance images in patients with dyssynchronous heart failure. 2008 , 28, 375-81	7
1745	Free-breathing, nongated real-time delayed enhancement MRI of myocardial infarcts: a comparison with conventional delayed enhancement. 2008 , 28, 621-5	7
1744	Cross-correlation delay to quantify myocardial dyssynchrony from phase contrast magnetic resonance (PCMR) velocity data. 2008 , 28, 1086-91	13
1743	Free-breathing high-spatial-resolution delayed contrast-enhanced three-dimensional viability MR imaging of the myocardium at 3.0 T: a feasibility study. 2008 , 28, 1361-7	19
1742	Cardiac metabolism measured noninvasively by hyperpolarized 13C MRI. 2008 , 59, 1005-13	190
1741	Single- or dual-bolus approach for the assessment of myocardial perfusion reserve in quantitative MR perfusion imaging. 2008 , 59, 1373-7	28
1740	Percutaneous treatment of chronic total coronary occlusions improves regional hyperemic myocardial blood flow and contractility: insights from quantitative cardiovascular magnetic resonance imaging. 2008 , 1, 44-53	90
1739	Symptom-limited exercise combined with dipyridamole stress: prognostic value in assessment of known or suspected coronary artery disease by use of gated SPECT imaging. 2008 , 15, 42-56	14
1738	Impact of inducible ischemia by stress SPECT in cardiac risk assessment in diabetic patients: rationale and design of a prospective, multicenter trial. 2008 , 15, 100-4	16
1737	Analysis of apical remodeling in gated myocardial perfusion SPECT imaging in ischemic cardiomyopathy. 2008 , 15, 225-31	12
1736	Regional left-ventricular diastolic wall motion assessed by a new program for ECG-gated myocardial perfusion SPECT in early-stage heart failure. 2008 , 15, 375-82	4
1735	Different manifestations of coronary artery disease by stress SPECT myocardial perfusion imaging, coronary calcium scoring, and multislice CT coronary angiography in asymptomatic patients with type 2 diabetes mellitus. 2008 , 15, 503-9	50
1734	Sixty-four-slice computed tomography coronary angiography compared with myocardial perfusion scintigraphy for the diagnosis of functionally significant coronary stenoses in patients with a low to intermediate likelihood of coronary artery disease. 2008 , 15, 311-8	24
1733	Stunned myocardium in transient left ventricular apical ballooning: a serial study of dual I-123 BMIPP and Tl-201 SPECT. 2008 , 15, 671-9	20
1732	Comparison of 64-slice cardiac computed tomography with myocardial perfusion scintigraphy for assessment of global and regional myocardial function and infarction in patients with low to intermediate likelihood of coronary artery disease. 2008 , 15, 497-502	14
1731	Baseline scintigraphic abnormalities by myocardial perfusion imaging predict echocardiographic response to cardiac resynchronization therapy in nonischemic cardiomyopathy. 2008 , 31, 217-24	8
1730	Cell therapy in myocardial infarction: emphasis on the role of MRI. 2008 , 18, 548-69	19
1729	MRI for the diagnosis of left ventricular apical ballooning syndrome (LVABS). 2008 , 18, 947-54	34

(2008-2008)

1728	Robust assessment of the transmural extent of myocardial infarction in late gadolinium-enhanced MRI studies using appropriate angular and circumferential subdivision of the myocardium. 2008 , 18, 2140-7	21
1727	Contrast-enhanced cardiac MRI before coronary artery bypass surgery: impact of myocardial scar extent on bypass flow. 2008 , 18, 2756-64	3
1726	Prognostic study of cardiac events in Japanese high risk hemodialysis patients using I-BMIPP-SPECT: B-SAFE study design. 2008 , 12, 526-30	6
1725	Left ventricular conduction delays induced by right ventricular apical pacing: effect of left ventricular dysfunction and bundle branch block. 2008 , 19, 114-22	52
1724	Absence of myocardial dysfunction during cold pressor stress echocardiography in patients with endothelial dysfunction. 2008 , 25, 600-8	1
1723	Echocardiographic diastolic dysfunction and magnetic resonance infarct size in healed myocardial infarction treated with primary angioplasty. 2008 , 25, 575-83	9
1722	Value of real time three-dimensional echocardiography in patients with hypertrophic cardiomyopathy: comparison with two-dimensional echocardiography and magnetic resonance imaging. 2008 , 25, 717-26	54
1721	High frequency ultrasound imaging detects cardiac dyssynchrony in noninfarcted regions of the murine left ventricle late after reperfused myocardial infarction. 2008 , 34, 1063-75	17
1720	Automatic construction of 3D-ASM intensity models by simulating image acquisition: application to myocardial gated SPECT studies. 2008 , 27, 1655-67	24
1719	A comprehensive approach to the analysis of contrast enhanced cardiac MR images. 2008 , 27, 1592-610	67
1718	Sparse registration for three-dimensional stress echocardiography. 2008 , 27, 1568-79	16
1717	[Normal anatomy, anatomical variants, and anomalies of the origin and course of the coronary arteries on multislice CT]. 2008 , 50, 197-206	3
1716	Anatomic correlates of a normal perfusion scan using 64-slice computed tomographic coronary angiography. 2008 , 101, 40-5	24
1715	Evaluation of left ventricular function three years after percutaneous recanalization of chronic total coronary occlusions. 2008 , 101, 179-85	173
1714	Head to head comparison between perfusion and function during accelerated high-dose dipyridamole magnetic resonance stress for the detection of coronary artery disease. 2008 , 101, 8-14	49
1713	Comparison of multislice computed tomography to gated single-photon emission computed tomography for imaging of healed myocardial infarcts. 2008 , 101, 144-8	28
1712	Defining optimal research study design for cardiovascular imaging using computed tomography angiography as a model. 2008 , 102, 943-8	11
1711	Relation of left ventricular infarct transmurality and infarct size after primary percutaneous coronary angioplasty to time from symptom onset to balloon inflation. 2008 , 102, 1163-9	18

1710	Comparison between tissue Doppler imaging and velocity-encoded magnetic resonance imaging for measurement of myocardial velocities, assessment of left ventricular dyssynchrony, and estimation of left ventricular filling pressures in patients with ischemic cardiomyopathy. 2008 , 102, 1366-72	36
1709	Impact of right ventricular volume overload on three-dimensional global left ventricular mechanical dyssynchrony after surgical repair of tetralogy of Fallot. 2008 , 102, 1731-6	52
1708	[Multiple myocardial infarctions: pancoronary destabilization evaluated by cardiac MRI]. 2008, 57, 189-94	
1707	New echocardiographic imaging method based on the bandwidth of the ultrasound Doppler signal with applications in blood/tissue segmentation in the left ventricle. 2008 , 92, 279-88	5
1706	Approach to analyzing and reporting coronary computed tomography. 2008, 43, 113-21	
1705	Evaluation of cardiac function and valves by multidetector row computed tomography. 2008 , 43, 145-53	14
1704	Cardiac magnetic resonance imaging: techniques and principles. 2008 , 43, 173-82	11
1703	Cardiac magnetic resonance imaging for the evaluation of ventricular function. 2008 , 43, 183-92	15
1702	Pronistico de la enfermedad coronaria crinica mediante gated-SPECT de perfusiin miocidica. 2008 , 8, 25B-34B	
1701	Dobutamine stress cardiac magnetic resonance imaging to detect myocardial ischemia in women. 2008 , 11, 135-40	5
1701 1700		23
1700	2008, 11, 135-40 New electrocardiographic diagnostic criteria for the pathologic R waves in leads V1 and V2 of	
1700	2008, 11, 135-40 New electrocardiographic diagnostic criteria for the pathologic R waves in leads V1 and V2 of anatomically lateral myocardial infarction. 2008, 41, 413-8	23
1700 1699	New electrocardiographic diagnostic criteria for the pathologic R waves in leads V1 and V2 of anatomically lateral myocardial infarction. 2008, 41, 413-8 Is it time for change?. 2008, 41, 419-20; author reply 423-4 Nomina anatomica contradicta revisited: especially as it relates to cardiac imaging and	23
1700 1699 1698	New electrocardiographic diagnostic criteria for the pathologic R waves in leads V1 and V2 of anatomically lateral myocardial infarction. 2008, 41, 413-8 Is it time for change?. 2008, 41, 419-20; author reply 423-4 Nomina anatomica contradicta revisited: especially as it relates to cardiac imaging and electrocardiology. 2008, 41, 421-2; author reply 423-4 Evolution of electrocardiographic terminology for walls of the heart and âQ-waveâ[Imyocardial infarction. 2008, 41, 423-424	23
1700 1699 1698 1697	New electrocardiographic diagnostic criteria for the pathologic R waves in leads V1 and V2 of anatomically lateral myocardial infarction. 2008, 41, 413-8 Is it time for change?. 2008, 41, 419-20; author reply 423-4 Nomina anatomica contradicta revisited: especially as it relates to cardiac imaging and electrocardiology. 2008, 41, 421-2; author reply 423-4 Evolution of electrocardiographic terminology for walls of the heart and âQ-waveâImyocardial infarction. 2008, 41, 423-424	23 0 4
1699 1698 1697 1696	New electrocardiographic diagnostic criteria for the pathologic R waves in leads V1 and V2 of anatomically lateral myocardial infarction. 2008, 41, 413-8 Is it time for change?. 2008, 41, 419-20; author reply 423-4 Nomina anatomica contradicta revisited: especially as it relates to cardiac imaging and electrocardiology. 2008, 41, 421-2; author reply 423-4 Evolution of electrocardiographic terminology for walls of the heart and âQ-waveâlInyocardial infarction. 2008, 41, 423-424 Magnetic resonance imaging as a potential gold standard for infarct quantification. 2008, 41, 614-20 Electrocardiogram mimics of acute ST-segment elevation myocardial infarction: insights from	23 0 4

(2008-2008)

1692	Symptomatic ventricular tachyarrhythmia is associated with delayed gadolinium enhancement in cardiac magnetic resonance imaging and with elevated plasma brain natriuretic peptide level in hypertrophic cardiomyopathy. 2008 , 52, 146-53	21
1691	Left ventricular functional analysis using 64-slice multidetector row computed tomography: comparison with left ventriculography and cardiovascular magnetic resonance. 2008 , 109, 135-42	26
1690	El infarto posterior existe. 2008 , 61, 430-431	
1689	[Not Available]. 2008 , 61, 431-2	1
1688	Influencia de la angina crinica previa al infarto en el diagnistico de viabilidad y remodelado ventricular izquierdo en la gated-SPECT de perfusiin miocidica. 2008 , 27, 245-252	7
1687	A model-based time-reversal of left ventricular motion improves cardiac motion analysis using tagged MRI data. 2008 , 7, 15	4
1686	Pattern and Impact of Altered Regional Myocardial Excursion on Global Ventricular Performance After First-Time Acute Anterior Wall Myocardial Infarction by Real-Time Three-Dimensional Echocardiography. 2008 , 2, 196-205	1
1685	Posterior Myocardial Infarction Is For Real. 2008 , 61, 430-432	1
1684	Response. 2008 , 61, 431-432	
1683	Influence of chronic angina prior to infarction in the diagnosis of viability and left ventricular remodelling in myocardial perfusion gated-SPECT. 2008 , 27, 245-252	
1682	Prediction of cardiac death in hemodialysis patients by myocardial fatty acid imaging. 2008, 51, 139-45	63
1681	Prevalence of different gadolinium enhancement patterns in patients after heart transplantation. 2008 , 52, 1160-7	65
1680	High-dose adenosine overcomes the attenuation of myocardial perfusion reserve caused by caffeine. 2008 , 52, 2008-16	41
1679	Integration of three-dimensional scar maps for ventricular tachycardia ablation with positron emission tomography-computed tomography. 2008 , 1, 73-82	81
1678	Noncoronary applications of cardiac multidetector row computed tomography. 2008 , 1, 94-106	23
1677	Invasive versus noninvasive evaluation of coronary artery disease. 2008 , 1, 190-9	14
1676	Correspondence between the 17-segment model and coronary arterial anatomy using contrast-enhanced cardiac magnetic resonance imaging. 2008 , 1, 282-93	106
1675	Effects of age, gender, obesity, and diabetes on the efficacy and safety of the selective A2A agonist regadenoson versus adenosine in myocardial perfusion imaging integrated ADVANCE-MPI trial results. 2008 , 1, 307-16	174

1674	Lessons from the development of new adenosine A2A receptor agonists. 2008 , 1, 317-20	8
1673	Patterns of late gadolinium enhancement in chronic hemodialysis patients. 2008 , 1, 450-6	33
1672	Concordance between actual and expected coronary artery distribution. 2008, 1, 688; author reply 688-9	
1671	Myocardial scar detected by contrast-enhanced cardiac magnetic resonance imaging is associated with ventricular tachycardia in hypertrophic cardiomyopathy patients. 2008 , 17, 370-4	38
1670	Intensive cardiovascular risk factors therapy and prevalence of silent myocardial ischaemia in patients with type 2 diabetes. 2008 , 101, 539-46	16
1669	Detection of regional myocardial dysfunction in patients with acute myocardial infarction using velocity vector imaging. 2008 , 21, 879-86	49
1668	3-Tesla MRI for the evaluation of myocardial viability: a comparative study with 1.5-Tesla MRI. 2008 , 113, 347-62	11
1667	Catheter-based management for the congenital coronary arteriovenous fistula indicated by the stress 99mTc-MIBI SPECT. 2008 , 126, e13-6	1
1666	Negative stress echo: further prognostic stratification with assessment of pressure-volume relation. 2008 , 126, 258-67	30
1665	Is it possible to predict which patients need distal protection during primary angioplasty?. 2008 , 127, 179-85	9
1664	Estimation of global and regional cardiac function using 64-slice computed tomography: a comparison study with echocardiography, gated-SPECT and cardiovascular magnetic resonance. 2008 , 128, 69-76	80
1663	Cardiovascular magnetic resonance signs of ischemia in hypertrophic cardiomyopathy. 2008 , 128, 364-73	37
1662	Left ventricular reverse remodeling after undersized mitral ring annuloplasty in patients with ischemic regurgitation. 2008 , 85, 1319-30	46
1661	Randomized study of mononuclear bone marrow cell transplantation in patients with coronary surgery. 2008 , 86, 1833-40	91
1660	The use of periinfarct contrast-enhanced cardiac magnetic resonance imaging for the prediction of late postmyocardial infarction ventricular dysfunction. 2008 , 156, 498-505	15
1659	The prognostic value of Doppler echocardiographic-derived coronary flow reserve is not affected by concomitant antiischemic therapy at the time of testing. 2008 , 156, 573-9	39
1658	Correlation Between NT-pro BNP levels and left ventricular wall stress, sphericity index and extent of myocardial damage: a magnetic resonance imaging study. 2008 , 14, 687-94	35
1657	Assessment of global and regional left ventricular function using 64-slice multislice computed tomography and 2D echocardiography: a comparison with cardiac magnetic resonance. 2008 , 65, 112-9	37

(2008-2008)

1656	Delayed enhancement imaging: standardised segmental assessment of myocardial viability in patients with ST-elevation myocardial infarction. 2008 , 66, 42-7	4
1655	Dual-energy CT of the heartprinciples and protocols. 2008 , 68, 423-33	89
1654	Comparison of automated 4D-MSPECT and visual analysis for evaluating myocardial perfusion in coronary artery disease. 2008 , 24, 445-52	6
1653	Visualization of myocardial perfusion derived from coronary anatomy. 2008, 14, 1595-602	13
1652	Cardiac and coronary anatomy in computed tomography. 2008 , 29, 176-81	7
1651	Identification and viability assessment of infarcted myocardium with late enhancement multidetector computed tomography: comparison with thallium single photon emission computed tomography and echocardiography. 2008 , 155, 738-45	33
1650	Use of multidetector computed tomography after mildly abnormal myocardial perfusion stress testing in a large single-specialty cardiology practice. 2008 , 2, 372-8	6
1649	European Association of Echocardiography recommendations for standardization of performance, digital storage and reporting of echocardiographic studies. 2008 , 9, 438-48	246
1648	Stress echocardiography expert consensus statement: European Association of Echocardiography (EAE) (a registered branch of the ESC). 2008 , 9, 415-37	462
1647	Acute and chronic effects of continuous positive airway pressure therapy on left ventricular systolic and diastolic function in patients with obstructive sleep apnea and congestive heart failure. 2008 , 24, 697-704	32
1646	Interactive 3D hybrid PET/CT imaging in the identification of myocardial viability in patients after myocardial infarction: feasibility study and clinical implications. 2008 , 107, 470-7	1
1645	Value of vasodilator stress myocardial contrast echocardiography and magnetic resonance imaging for the differential diagnosis of ischemic versus nonischemic cardiomyopathy. 2008 , 21, 425-32	11
1644	Effects of region of interest tracking on the diagnosis of left ventricular dyssynchrony from Doppler tissue images. 2008 , 21, 234-40	8
1643	The relationship between left ventricular ejection fraction and infarct size assessed by MRI. 2008 , 42, 137-45	11
1642	Functional bull's eye based on three dimensional velocity information to quantify left ventricle motion in gated-SPECT. 2008 , 2008, 209-13	1
1641	Standardized T2* map of a normal human heart to correct T2* segmental artefacts; myocardial iron overload and fibrosis in thalassemia intermedia versus thalassemia major patients and electrocardiogram changes in thalassemia major patients. 2008 , 32, 97-107	20
1640	Left atrial velocity vector imaging for the detection and quantification of left ventricular diastolic function in type 2 diabetes. 2008 , 10, 1080-7	45
1639	Quantitative measures of coronary stenosis severity by 64-Slice CT angiography and relation to physiologic significance of perfusion in nonobese patients: comparison with stress myocardial perfusion imaging. 2008 , 49, 564-72	76

1638	Comparison of delayed enhancement patterns on multislice computed tomography immediately after coronary angiography and cardiac magnetic resonance imaging in acute myocardial infarction. 2009 , 95, 624-9	22
1637	Prognostic and therapeutic implications of dipyridamole stress cardiovascular magnetic resonance on the basis of the ischaemic cascade. 2009 , 95, 49-55	45
1636	Value and limitations of target-vessel ischemia in predicting late clinical events after drug-eluting stent implantation. 2008 , 49, 550-6	21
1635	Skin blood flow and its oscillatory components in patients with acute myocardial infarction. 2008 , 45, 164-72	19
1634	Improved regional function after autologous bone marrow-derived stem cell transfer in patients with acute myocardial infarction: a randomized, double-blind strain rate imaging study. 2009 , 30, 662-70	81
1633	Tissue Doppler strain-mapping in the assessment of the extent of chronic myocardial infarction: validation using magnetic resonance imaging. 2008 , 9, 678-84	9
1632	Prognostic value of Doppler-derived mitral deceleration time on left ventricular reverse remodelling after undersized mitral annuloplasty. 2008 , 9, 631-40	1
1631	Dynamic left ventricular outflow tract obstruction evoked by exercise echocardiography: prevalence and predictive factors in a prospective study. 2008 , 9, 665-71	32
1630	Contrast-enhanced three-dimensional dobutamine stress echocardiography: between Scylla and Charybdis?. 2008 , 9, 757-60	16
1629	Time course of functional recovery after revascularization of hibernating myocardium: a contrast-enhanced cardiovascular magnetic resonance study. 2008 , 29, 2000-5	43
1628	High spatial resolution myocardial perfusion cardiac magnetic resonance for the detection of coronary artery disease. 2008 , 29, 2148-55	88
1627	Respiratory motion and cardiac arrhythmia effects on diagnostic accuracy of myocardial delayed-enhanced MR imaging in canines. 2008 , 247, 106-14	15
1626	Image based physiological monitoring of cardiac function. 2008,	
1625	. 2008,	
1624	Comparison of the electrophysiologically based optimization methods with different pacing parameters in patient undergoing resynchronization treatment. 2008 , 2008, 1741-4	5
1623	An automated evaluation of regional left ventricular function on cine magnetic resonance images. 2008 ,	1
1622	Highly sensitive cardiac troponin T values remain constant after brief exercise- or pharmacologic-induced reversible myocardial ischemia. 2008 , 54, 1234-8	70
1621	Principal strain changes precede ventricular wall thinning during transition to heart failure in a mouse model of dilated cardiomyopathy. 2008 , 294, H330-6	20

1620	Prognostic value of serial cardiac 123I-MIBG imaging in patients with stabilized chronic heart failure and reduced left ventricular ejection fraction. 2008 , 49, 907-14		82
1619	Integrated multimodal-catheter imaging unveils principal relationships among ventricular electrical activity, anatomy, and function. 2008 , 294, H1002-9		4
1618	Dissociation between cardiomyocyte function and remodeling with beta-adrenergic receptor blockade in isolated canine mitral regurgitation. 2008 , 295, H2321-7		25
1617	Left ventricular solid body rotation in non-compaction cardiomyopathy: a potential new objective and quantitative functional diagnostic criterion?. 2008 , 10, 1088-93		87
1616	Motion-frozen myocardial perfusion SPECT improves detection of coronary artery disease in obese patients. 2008 , 49, 1075-9		24
1615	Spatial relationship between coronary microvascular dysfunction and delayed contrast enhancement in patients with hypertrophic cardiomyopathy. 2008 , 49, 1090-6		58
1614	Incidence and prognostic implication of unrecognized myocardial scar characterized by cardiac magnetic resonance in diabetic patients without clinical evidence of myocardial infarction. <i>Circulation</i> , 2008 , 118, 1011-20	16.7	229
1613	Effect of progenitor cells on myocardial perfusion and metabolism in patients after recanalization of a chronically occluded coronary artery. 2008 , 49, 557-63		12
1612	Comprehensive assessment of myocardial perfusion defects, regional wall motion, and left ventricular function by using 64-section multidetector CT. 2008 , 248, 466-75		143
1611	Adaptive postprocessing techniques for myocardial tissue tracking with displacement-encoded MR imaging. 2008 , 246, 229-40		26
1610	Early familial dilated cardiomyopathy: identification with determination of disease state parameter from cine MR image data. 2008 , 249, 88-96		17
1609	Assessment of acute myocardial infarction using MDCT after percutaneous coronary intervention: comparison with MRI. 2008 , 191, 441-7		22
1608	Periprocedural abciximab administration in ST elevation myocardial infarction patients. Effect on severe microvascular obstruction beyond the restoration of epicardial coronary flow by primary angioplasty. 2008 , 110, 129-34		6
1607	Diagnostic performance of myocardial perfusion MR at 3 T in patients with coronary artery disease. 2008 , 247, 57-63		53
1606	Myocardial fatty acid imaging identifies a group of hemodialysis patients at high risk for cardiac death after coronary revascularization. 2008 , 74, 513-20		16
1605	Rapidly reversible myocardial edema in patients with acromegaly: assessment with ultrafast T2 mapping in a single-breath-hold MRI sequence. 2008 , 190, 1576-82		32
1604	Automatic assessment of myocardial fibrosis by delayed enhanced magnetic resonance imaging. 2008 ,		
1603	Age-dependency of left ventricular shape measured from real-time 3D echocardiographic images. 2008 ,		

1602	Early validation study of 64-slice multidetector computed tomography for the assessment of myocardial viability and the prediction of left ventricular remodelling after acute myocardial infarction. 2008 , 29, 490-8	51
1601	Application of support vector machine classifiers to preoperative risk stratification with myocardial perfusion scintigraphy. 2008 , 72, 1829-35	6
1600	Use of nebivolol for the treatment of endothelial dysfunction in patients with hypertension: the EDEN registry. 2008 , 51, 202-7	10
1599	Three-directional myocardial phase-contrast tissue velocity MR imaging with navigator-echo gating: in vivo and in vitro study. 2008 , 246, 917-25	36
1598	Cardiac involvement in patients with sarcoidosis: diagnostic and prognostic value of outpatient testing. 2008 , 133, 1426-1435	272
1597	Assessment of the myocardium on 2-phase cardiac multidetector computed tomography: does cyclic cardiac contraction influence myocardial attenuation?. 2008 , 32, 602-8	4
1596	Hypoxia imaging of patients with acute myocardial infarction by using dual isotopes of 201Tl and 99mTc-HL91. 2008 , 29, 230-8	4
1595	Myocardial scar and insulin resistance predict cardiovascular events in severe ischaemic myocardial dysfunction: a perfusion-metabolism positron emission tomography study. 2008 , 29, 448-54	8
1594	NT-proBNP levels in the evaluation of right ventricular dysfunction in patients with coronary artery disease and abnormal left ventricular wall motion: a magnetic resonance imaging study. 2008 , 19, 481-7	3
1593	Maximum persisting single lead ST elevation after primary angioplasty: a good predictor of left ventricular dilatation assessed by magnetic resonance imaging. 2008 , 9, 1113-9	
1592	Acute chest pain with normal coronary angiogram: role of contrast-enhanced multidetector computed tomography in the differential diagnosis between myocarditis and myocardial infarction. 2008 , 32, 228-32	15
1591	Using a contrast-enhanced imaging sequence at 3-minute delay in 3-T magnetic resonance imaging for acute infarct evaluation. 2008 , 43, 669-75	11
1590	Multidetector computed tomography in reperfused acute myocardial infarction. Assessment of infarct size and no-reflow in comparison with cardiac magnetic resonance imaging. 2008 , 43, 773-81	34
1589	Contrast-Enhanced Cardiac Magnetic Resonance Imaging Accurately Differentiates Ischemic from Non-Ischemic Etiologies in Newly Diagnosed Cardiomyopathy. 2008 , 2, CMC.S405	
1588	19.2 Intraoperative Echokardiographie. 2009 ,	
1587	Automated versus manual detection of left ventricular wall motion abnormalities by gated blood pool SPECT. 2009 , 36, 1251-7	2
1586	Systolic function of patients with myocardial infarction undergoing autologous bone marrow transplantation. 2009 , 93, 374-9, 367-72	18
1585	Assessment of Myocardial Scar; Comparison Between F-FDG PET, CMR and Tc-Sestamibi. 2009 , 3, 69-76	16

1584	angiograms. 2009 , 18, 155-61	7
1583	Quantitative analysis of first-pass contrast-enhanced myocardial perfusion multidetector CT using a Patlak plot method and extraction fraction correction during adenosine stress. 2009 ,	4
1582	Noninvasive volumetric imaging of cardiac electrophysiology. 2009,	4
1581	Long-term combination antiretroviral therapy is associated with the risk of coronary plaques in African Americans with HIV infection. 2009 , 23, 815-24	27
1580	Strain-encoded cardiac MRI as an adjunct for dobutamine stress testing: incremental value to conventional wall motion analysis. 2009 , 2, 132-40	46
1579	An automated quantification of the transmural myocardial infarct extent using cardiac DE-MR images. 2009 , 2009, 4403-6	16
1578	Electrocardiographic inverse problem: spatial characterization of the left ventricle potential. 2009 , 2009, 3274-7	
1577	An in-vivo study on the difference between principal and cardiac strains. 2009,	2
1576	Validation of gated blood-pool SPECT regional left ventricular function measurements. 2009 , 50, 53-60	24
1575	A MRI myocardial perfusion analysis tool. 2009 , 2009, 4387-90	
1574	Differential effects of the site of permanent epicardial pacing on left ventricular synchrony and function in the young: implications for lead placement. 2009 , 11, 1654-9	37
1573	Complementary prognostic values of stress myocardial perfusion and late gadolinium enhancement imaging by cardiac magnetic resonance in patients with known or suspected 16.7 coronary artery disease. <i>Circulation</i> , 2009 , 120, 1390-400	119
1572	Three-dimensional phase-sensitive inversion-recovery turbo FLASH sequence for the evaluation of left ventricular myocardial scar. 2009 , 193, W381-8	41
1571	Myocardial scarring by delayed enhancement cardiovascular magnetic resonance in thalassaemia major. 2009 , 95, 1688-93	51
1570	Myocardial scars are an underestimated cardiovascular burden in patients with internal carotid artery stenosis. 2009 , 28, 80-7	5
1569	Late gadolinium enhancement-cardiovascular magnetic resonance identifies coronary artery disease as the aetiology of left ventricular dysfunction in acute new-onset congestive heart failure. 2009 , 10, 968-74	38
1568	Magnetic resonance imaging and response to cardiac resynchronization therapy: relative merits of left ventricular dyssynchrony and scar tissue. 2009 , 30, 2360-7	85
1567	Anatomy and terminology for the interpretation and reporting of cardiac MDCT: part 2, CT angiography, cardiac function assessment, and noncoronary and extracardiac findings. 2009 , 192, 584-98	18

1566	Development and validation of a clinical index to predict survival after cardiac resynchronisation therapy. 2009 , 95, 1619-25	21
1565	Myocardial wall thickening from gated Magnetic Resonance images using Laplace's equation. 2009 , 7260,	4
1564	Free-breathing MRI for the assessment of myocardial infarction: clinical validation. 2009, 192, W277-81	13
1563	Stress/Rest Myocardial Perfusion Abnormalities by Gated SPECT: Still the Best Predictor of Cardiac Events in Stable Ischemic Heart Disease. 2009 , 50, 546-53	60
1562	Real-time myocardial perfusion contrast echocardiography and regional wall motion abnormalities after aneurysmal subarachnoid hemorrhage. Clinical article. 2009 , 111, 1023-8	9
1561	Three-dimensional speckle tracking echocardiography: a novel approach in the assessment of left ventricular volume and function?. 2009 , 30, 2304-7	17
1560	Tissue Doppler derived longitudinal strain and strain rate during the first 3 days of life in healthy term neonates. 2009 , 65, 357-62	37
1559	Determination of regional ejection fraction in patients with myocardial infarction by using merged late gadolinium enhancement and cine MR: feasibility study. 2009 , 250, 50-60	25
1558	Diagnostic synergy of non-invasive cardiovascular magnetic resonance and invasive endomyocardial biopsy in troponin-positive patients without coronary artery disease. 2009 , 30, 2869-79	188
1557	Relations of epicardial adipose tissue measured by multidetector computed tomography to components of the metabolic syndrome are region-specific and independent of anthropometric indexes and intraabdominal visceral fat. 2009 , 94, 662-9	94
1556	Cardiac MRI for detection of unrecognized myocardial infarction in patients with end-stage renal disease: comparison with ECG and scintigraphy. 2009 , 193, W25-32	17
1555	Assessment of Myocardial Viability with 3D MRI at 3 T. 2009 , 192, 1645-50	17
1554	Acute myocarditis: noninvasive evaluation with cardiac MRI and transthoracic echocardiography. 2009 , 192, 254-8	62
1553	Beam hardening correction in CT myocardial perfusion measurement. 2009 , 54, 3031-50	44
1552	Myocardial late gadolinium enhancement: prevalence, pattern, and prognostic relevance in marathon runners. 2009 , 251, 50-7	190
1551	Unrecognized non-Q-wave myocardial infarction: prevalence and prognostic significance in patients with suspected coronary disease. 2009 , 6, e1000057	90
1550	Left ventricular regional wall curvedness and wall stress in patients with ischemic dilated cardiomyopathy. 2009 , 296, H573-84	67
1549	Cardiac magnetic resonance imaging in systemic sclerosis: a cross-sectional observational study of 52 patients. 2009 , 68, 1878-84	181

1548	Delayed-enhanced cardiac MRI for differentiation of Fabry's disease from symmetric hypertrophic cardiomyopathy. 2009 , 192, W97-102	90
1547	Spontaneous recovery of myocardial function after ligation of Ameroid-stenosed coronary artery. 2009 , 43, 408-16	1
1546	Improved diastolic function after myoblast transplantation in a model of ischemia-infarction. 2009 , 43, 100-9	4
1545	A randomized trial of the impact of strict glycaemic control on myocardial diastolic function and perfusion reserve: a report from the DADD (Diabetes mellitus And Diastolic Dysfunction) study. 2009 , 11, 39-47	49
1544	Patterns of late gadolinium enhancement are associated with ventricular stiffness in patients with advanced non-ischaemic dilated cardiomyopathy. 2009 , 11, 573-80	22
1543	Multimodality cardiac stress testing: combining real-time 3-dimensional echocardiography and myocardial perfusion SPECT. 2009 , 50, 226-30	11
1542	Effect of cardiac rehabilitation on angiogenic cytokines in postinfarction patients. 2009, 95, 1012-8	27
1541	Adenosine stress 64- and 256-row detector computed tomography angiography and perfusion imaging: a pilot study evaluating the transmural extent of perfusion abnormalities to predict atherosclerosis causing myocardial ischemia. 2009 , 2, 174-82	258
1540	Myocyte injury along myofibers in left ventricular remodeling after myocardial infarction. 2009 , 9, 951-5	9
1539	Regional wall motion abnormalities and scarring in severe functional ischemic mitral regurgitation: A pilot cardiovascular magnetic resonance imaging study. 2009 , 137, 1063-70.e2	39
1538	Cardiac motion recovery via active trajectory field models. 2009 , 13, 226-35	10
1537	Automated detection of regional wall motion abnormalities based on a statistical model applied to multislice short-axis cardiac MR images. 2009 , 28, 595-607	66
1536	Embedding overlap priors in variational left ventricle tracking. 2009 , 28, 1902-13	53
1535	New Doppler-based imaging method in echocardiography with applications in blood/tissue segmentation. 2009 , 96, 12-24	1
1534	Coronary computed tomography and magnetic resonance imaging. 2009 , 34, 145-217	8
1533	Comparison of diagnostic and prognostic value of different electrocardiographic criteria to delayed-enhancement magnetic resonance imaging for healed myocardial infarction. 2009 , 103, 464-70	9
1532	Effect of right ventricular pacing lead on left ventricular dyssynchrony in patients receiving cardiac resynchronization therapy. 2009 , 103, 695-700	7
1531	Usefulness of left ventricular systolic dyssynchrony by real-time three-dimensional echocardiography to predict long-term response to cardiac resynchronization therapy. 2009 , 103, 1586-91	62

1530	Left ventricular conduction delays and relation to QRS configuration in patients with left ventricular dysfunction. 2009 , 103, 1578-85	59
1529	Combined assessment of coronary anatomy and myocardial perfusion using multidetector computed tomography for the evaluation of coronary artery disease. 2009 , 103, 1487-94	42
1528	Safety of contrast in stress echocardiography in stable patients and in patients with suspected acute coronary syndrome but negative 12-hour troponin. 2009 , 104, 14-8	24
1527	Usefulness of multimodality imaging for detecting differences in temporal occurrence of left ventricular systolic mechanical events in healthy young adults. 2009 , 104, 440-6	4
1526	Impact of time to reperfusion after acute myocardial infarction on myocardial damage assessed by left ventricular longitudinal strain. 2009 , 104, 480-5	21
1525	Quantitative evaluation of regional left ventricular function using three-dimensional speckle tracking echocardiography in patients with and without heart disease. 2009 , 104, 1755-62	128
1524	Evaluation of a web-based network for reproducible T2* MRI assessment of iron overload in thalassemia. 2009 , 78, 503-12	56
1523	Comparison of the angiographic myocardial blush grade with delayed-enhanced cardiac magnetic resonance for the assessment of microvascular obstruction in acute myocardial infarctions. 2009 , 74, 1000-7	29
1522	Percutaneous versus surgical delivery of autologous myoblasts after chronic myocardial infarction: an in vivo cardiovascular magnetic resonance study. 2010 , 75, 120-7	10
1521	Increased myocardial wall thickening as index of viability assessment: a preliminary report on delayed contrast MRI. 2009 , 4, 37-41	5
1520	Multicompartmental analysis of late contrast enhancement in areas of myocardial infarction supplied by chronically occluded coronary arteries. 2009 , 29, 78-85	4
1519	Quantification of regional functional improvement of infarcted myocardium after primary PTCA by contrast-enhanced magnetic resonance imaging. 2009 , 29, 298-304	31
1518	Feasibility of dobutamine stress cardiovascular magnetic resonance imaging in children. 2009 , 29, 313-9	28
1517	Influence of myocardial fibrosis and blood oxygenation on heart T2* values in thalassemia patients. 2009 , 29, 832-7	24
1516	Strain-encoded cardiac MR during high-dose dobutamine stress testing: comparison to cine imaging and to myocardial tagging. 2009 , 29, 1053-61	24
1515	Multicenter validation of the magnetic resonance T2* technique for segmental and global quantification of myocardial iron. 2009 , 30, 62-8	82
1514	Contrast-enhanced myocardial T1-weighted scout (Look-Locker) imaging for the detection of myocardial damages in hypertrophic cardiomyopathy. 2009 , 30, 778-84	48
1513	Numerical and in vivo validation of fast cine displacement-encoded with stimulated echoes (DENSE) MRI for quantification of regional cardiac function. 2009 , 62, 682-90	23

1512	Assessment of myocardial blood flow (MBF) in humans using arterial spin labeling (ASL): feasibility and noise analysis. 2009 , 62, 975-83	52
1511	Hybrid adiabatic-rectangular pulse train for effective saturation of magnetization within the whole heart at 3 T. 2009 , 62, 1368-78	19
1510	Reproducibility of 31P cardiac magnetic resonance spectroscopy at 3 T. 2009 , 22, 405-13	39
1509	Multislice multiecho T2* cardiac magnetic resonance for the detection of heterogeneous myocardial iron distribution in thalassaemia patients. 2009 , 22, 707-15	39
1508	Demonstration of left ventricular dyssynchrony and resynchrony by ECG-gated SPECT with cardioGRAF in a patient with advanced heart failure and narrow QRS complex. 2009 , 24, 151-4	7
1507	Relation between three-dimensional echocardiography derived left ventricular volume and MRI derived circumferential strain in patients eligible for cardiac resynchronization therapy. 2009 , 25, 1-11	6
1506	Frequency and distribution of late gadolinium enhancement in magnetic resonance imaging of patients with apical hypertrophic cardiomyopathy and patients with asymmetrical hypertrophic cardiomyopathy: a comparative study. 2009 , 25 Suppl 1, 131-8	27
1505	First-pass myocardial perfusion abnormalities in Churg-Strauss syndrome with cardiac involvement. 2009 , 25, 501-10	10
1504	HIV infection and abnormal regional ventricular function. 2009 , 25, 809-17	14
1503	Clinical usefulness of novel cardiac MDCT/SPECT fusion image. 2009 , 23, 579-86	9
1503 1502	Clinical usefulness of novel cardiac MDCT/SPECT fusion image. 2009, 23, 579-86 Ability of 201Tl and 123I-BMIPP mismatch to diagnose myocardial ischemia in patients with suspected coronary artery disease. 2009, 23, 793-8	5
1502	Ability of 201Tl and 123I-BMIPP mismatch to diagnose myocardial ischemia in patients with	
1502	Ability of 201Tl and 123I-BMIPP mismatch to diagnose myocardial ischemia in patients with suspected coronary artery disease. 2009 , 23, 793-8	5
1502 1501	Ability of 201Tl and 123I-BMIPP mismatch to diagnose myocardial ischemia in patients with suspected coronary artery disease. 2009, 23, 793-8 Manual zur Indikation und Durchffirung der Echokardiographie. 2009, 4, 3-51 A curvature-based approach for left ventricular shape analysis from cardiac magnetic resonance	5
1502 1501 1500	Ability of 201Tl and 123I-BMIPP mismatch to diagnose myocardial ischemia in patients with suspected coronary artery disease. 2009, 23, 793-8 Manual zur Indikation und Durchffirung der Echokardiographie. 2009, 4, 3-51 A curvature-based approach for left ventricular shape analysis from cardiac magnetic resonance imaging. 2009, 47, 313-22 Cardiac magnetic resonance imaging: diagnostic value and utility in the follow-up of patients with	5 22 21
1502 1501 1500 1499	Ability of 201Tl and 123I-BMIPP mismatch to diagnose myocardial ischemia in patients with suspected coronary artery disease. 2009, 23, 793-8 Manual zur Indikation und Durchffirung der Echokardiographie. 2009, 4, 3-51 A curvature-based approach for left ventricular shape analysis from cardiac magnetic resonance imaging. 2009, 47, 313-22 Cardiac magnetic resonance imaging: diagnostic value and utility in the follow-up of patients with acute myocarditis mimicking myocardial infarction. 2009, 114, 229-38 Chronic total coronary occlusion in patients with intermediate viability: value of low-dose dobutamine and contrast-enhanced 3-T MRI in predicting functional recovery in patients	5 22 21
1502 1501 1500 1499 1498	Ability of 201Tl and 123I-BMIPP mismatch to diagnose myocardial ischemia in patients with suspected coronary artery disease. 2009, 23, 793-8 Manual zur Indikation und Durchffirung der Echokardiographie. 2009, 4, 3-51 A curvature-based approach for left ventricular shape analysis from cardiac magnetic resonance imaging. 2009, 47, 313-22 Cardiac magnetic resonance imaging: diagnostic value and utility in the follow-up of patients with acute myocarditis mimicking myocardial infarction. 2009, 114, 229-38 Chronic total coronary occlusion in patients with intermediate viability: value of low-dose dobutamine and contrast-enhanced 3-T MRI in predicting functional recovery in patients undergoing percutaneous revascularisation with drug-eluting stent. 2009, 114, 692-704 Myocardium tracking via matching distributions. 2009, 4, 37-44 The RegEx trial: a randomized, double-blind, placebo- and active-controlled pilot study combining regadenoson, a selective A(2A) adenosine agonist, with low-level exercise, in patients undergoing myocardial perfusion imaging. 2009, 16, 63-72	5 22 21 10 15
1502 1501 1500 1499 1498	Ability of 201Tl and 123I-BMIPP mismatch to diagnose myocardial ischemia in patients with suspected coronary artery disease. 2009, 23, 793-8 Manual zur Indikation und Durchffirung der Echokardiographie. 2009, 4, 3-51 A curvature-based approach for left ventricular shape analysis from cardiac magnetic resonance imaging. 2009, 47, 313-22 Cardiac magnetic resonance imaging: diagnostic value and utility in the follow-up of patients with acute myocarditis mimicking myocardial infarction. 2009, 114, 229-38 Chronic total coronary occlusion in patients with intermediate viability: value of low-dose dobutamine and contrast-enhanced 3-T MRI in predicting functional recovery in patients undergoing percutaneous revascularisation with drug-eluting stent. 2009, 114, 692-704 Myocardium tracking via matching distributions. 2009, 4, 37-44 The RegEx trial: a randomized, double-blind, placebo- and active-controlled pilot study combining regadenoson, a selective A(2A) adenosine agonist, with low-level exercise, in patients undergoing	5 22 21 10 15

1494	Incremental prognostic value of cardiac single-photon emission computed tomography after nitrate administration in patients with ischemic left ventricular dysfunction. 2009 , 16, 38-44	9
1493	123I-mIBG scintigraphy to predict risk for adverse cardiac outcomes in heart failure patients: design of two prospective multicenter international trials. 2009 , 16, 113-21	88
1492	Etiology and pathophysiology of new-onset heart failure: evaluation by myocardial perfusion imaging. 2009 , 16, 82-91	41
1491	Validation of attenuation correction using transmission truncation compensation with a small field of view dedicated cardiac SPECT camera system. 2009 , 16, 222-32	5
1490	Dual "motion-frozen heart" combining respiration and contraction compensation in clinical myocardial perfusion SPECT imaging. 2009 , 16, 396-404	18
1489	Prognostic value of myocardial perfusion-gated SPECT in patients with ischemic cardiomyopathy. 2009 , 16, 212-21	17
1488	Influence of 99mTc-tetrofosmin SPECT myocardial perfusion imaging on the prediction of future adverse cardiac events. 2009 , 16, 540-8	10
1487	Rest and low-dose dobutamine Tc-99m-mibi gated-SPECT for early prediction of left ventricular remodeling after a first reperfused myocardial infarction. 2009 , 16, 597-604	6
1486	Prognostic validation of an algorithm to convert myocardial perfusion SPECT imaging data from a 12-segment model to a 17-segment model. 2009 , 16, 605-13	6
1485	A multicenter evaluation of a new post-processing method with depth-dependent collimator resolution applied to full-time and half-time acquisitions without and with simultaneously acquired attenuation correction. 2009 , 16, 714-25	85
1484	Multicenter investigation comparing a highly efficient half-time stress-only attenuation correction approach against standard rest-stress Tc-99m SPECT imaging. 2009 , 16, 726-35	66
1483	The study of myocardial perfusion and coronary anatomy imaging roles in CAD (SPARC): design, rationale, and baseline patient characteristics of a prospective, multicenter observational registry comparing PET, SPECT, and CTA for resource utilization and clinical outcomes. 2009 , 16, 935-48	48
1482	Correction for respiration artefacts in myocardial perfusion SPECT is more effective when reconstructions supporting collimator detector response compensation are applied. 2009 , 16, 949-55	11
1481	Prevalence and predictors of an abnormal stress myocardial perfusion study in asymptomatic patients with type 2 diabetes mellitus. 2009 , 36, 567-75	37
1480	Agreement and disagreement between contrast-enhanced magnetic resonance imaging and nuclear imaging for assessment of myocardial viability. 2009 , 36, 594-601	34
1479	Prognostic significance of stress myocardial ECG-gated perfusion imaging in asymptomatic patients with diabetic chronic kidney disease on initiation of haemodialysis. 2009 , 36, 1315-21	34
1478	Quantitative relationship between coronary calcium content and coronary flow reserve as assessed by integrated PET/CT imaging. 2009 , 36, 1603-10	35
1477	Myocardial perfusion quantitation with 15O-labelled water PET: high reproducibility of the new cardiac analysis software (Carimas). 2009 , 36, 1594-602	105

First experience of combined cardiac PET/64-detector CT angiography with invasive angiographic validation. 2009 , 36, 2027-33	34
Disappearance of myocardial perfusion defects on prone SPECT imaging: comparison with cardiac magnetic resonance imaging in patients without established coronary artery disease. 2009 , 9, 16	6
Post-exercise contractility, diastolic function, and pressure: operator-independent sensor-based intelligent monitoring for heart failure telemedicine. 2009 , 7, 21	5
Cardiac magnetic resonance versus transthoracic echocardiography for the assessment of cardiac volumes and regional function after myocardial infarction: an intrasubject comparison using simultaneous intrasubject recordings. 2009 , 7, 38	70
Functional measurements based on feature tracking of cine magnetic resonance images identify left ventricular segments with myocardial scar. 2009 , 7, 53	99
Comparison of wall thickening and ejection fraction by cardiovascular magnetic resonance and echocardiography in acute myocardial infarction. 2009 , 11, 22	34
Society for Cardiovascular Magnetic Resonance guidelines for reporting cardiovascular magnetic resonance examinations. 2009 , 11, 5	138
T2 quantification for improved detection of myocardial edema. 2009 , 11, 56	457
Rationale and design for the Defibrillators to Reduce Risk by Magnetic Resonance Imaging Evaluation (DETERMINE) trial. 2009 , 20, 982-7	95
Side-by-side viewing of anatomically aligned left ventricular segments in three-dimensional stress echocardiography. 2009 , 26, 189-95	17
Two-dimensional, non-Doppler strain imaging during anesthesia and cardiac surgery. 2009 , 26, 345-53	15
Are the extent, location, and score of segmental wall motion abnormalities related to cardiac resynchronization therapy response?. 2009 , 26, 1136-45	5
Using real time three-dimensional transesophageal echocardiography during Ross procedure in the operating room. 2009 , 26, 1278-83	4
Single lipoprotein apheresis session improves cardiac microvascular function in patients with elevated lipoprotein(a): detection by stress/rest perfusion magnetic resonance imaging. 2009 , 13, 129-37	25
Detection of single-vessel coronary artery disease by dipyridamole stress echocardiography: no longer a problem?. 2009 , 29, 151-7	4
3-D speckle tracking for assessment of regional left ventricular function. 2009 , 35, 458-71	74
Interobserver, intraobserver and intrapatient reliability scores of myocardial strain imaging with 2-d echocardiography in patients treated with anthracyclines. 2009 , 35, 697-704	41
Fusion of optical imaging and MRI for the evaluation and adjustment of macroscopic models of cardiac electrophysiology: a feasibility study. 2009 , 13, 370-80	23
	Disappearance of myocardial perfusion defects on prone SPECT imaging: comparison with cardiac magnetic resonance imaging in patients without established coronary artery disease. 2009, 9, 16 Post-exercise contractility, diastolic function, and pressure: operator-independent sensor-based intelligent monitoring for heart failure telemedicine. 2009, 7, 21 Cardiac magnetic resonance versus transthoracic echocardiography for the assessment of cardiac volumes and regional function after myocardial infarction: an intrasubject comparison using simultaneous intrasubject recordings. 2009, 7, 33 Functional measurements based on feature tracking of cine magnetic resonance images identify left ventricular segments with myocardial scar. 2009, 7, 53 Comparison of wall thickening and ejection fraction by cardiovascular magnetic resonance and echocardiography in acute myocardial infarction. 2009, 11, 22 Society for Cardiovascular Magnetic Resonance guidelines for reporting cardiovascular magnetic resonance examinations. 2009, 11, 5 T2 quantification for improved detection of myocardial edema. 2009, 11, 56 Rationale and design for the Defibrillators to Reduce Risk by Magnetic Resonance Imaging Evaluation (DETERMINE) trial. 2009, 20, 982-7 Side-by-side viewing of anatomically aligned left ventricular segments in three-dimensional stress echocardiography. 2009, 26, 189-95 Two-dimensional, non-Doppler strain imaging during anesthesia and cardiac surgery. 2009, 26, 345-53 Are the extent, location, and score of segmental wall motion abnormalities related to cardiac resynchronization therapy response?. 2009, 26, 1136-45 Using real time three-dimensional transesophageal echocardiography during Ross procedure in the operating room. 2009, 26, 1278-83 Single lipoprotein apheresis session improves cardiac microvascular function in patients with elevated lipoprotein(a): detection by stress/rest perfusion magnetic resonance imaging. 2009, 13, 129-37 Detection of single-vessel coronary artery disease by dipyridamole stress echocar

1458	Strain measurement in the left ventricle during systole with deformable image registration. 2009 , 13, 354-61	55
1457	Integrated assessment of coronary anatomy and myocardial perfusion using a retractable SPECT camera combined with 64-slice CT: initial experience. 2009 , 19, 845-56	17
1456	Intraindividual comparison of myocardial delayed enhancement MR imaging using gadobenate dimeglumine at 1.5 T and 3 T. 2009 , 19, 1124-31	13
1455	Value of multidetector computed tomography evaluation of myocardial perfusion in the assessment of ischemic heart disease: comparison with nuclear perfusion imaging. 2009 , 19, 1897-905	22
1454	Major prognostic impact of persistent microvascular obstruction as assessed by contrast-enhanced cardiac magnetic resonance in reperfused acute myocardial infarction. 2009 , 19, 2117-26	61
1453	Noninvasive imaging of electrophysiological substrates in post myocardial infarction. 2009 , 12, 732-40	1
1452	Cardiovascular magnetic resonance imaging. 2006 , 29, I34-48	3
1451	B-type natriuretic peptide levels and insulin resistance in patients with severe ischemic myocardial dysfunction. 2009 , 32, 805-9	5
1450	Magnetic resonance myocardial perfusion imaging-First experience at 3.0T. 2009 , 69, 165-72	1
1449	Myocardial delayed contrast enhancement in patients with arterial hypertension: initial results of cardiac MRI. 2009 , 71, 75-81	23
1448	Functional imaging in the assessment of myocardial infarction: MR imaging vs. MDCT vs. SPECT. 2009 , 71, 480-5	13
1447	Quantitative assessment of left ventricular systolic wall thickening using multidetector computed tomography. 2009 , 72, 92-7	15
1446	Release of necrosis markers and cardiovascular magnetic resonance-derived microvascular perfusion in reperfused ST-elevation myocardial infarction. 2009 , 124, 592-600	4
1445	The DD genotype of the angiotensin converting enzyme gene independently associates with CMR-derived abnormal microvascular perfusion in patients with a first anterior ST-segment elevation myocardial infarction treated with thrombolytic agents. 2009 , 124, e56-61	
1444	Plasma brain natriuretic peptide at rest and after adenosine-induced myocardial ischemia in normotensive and essential hypertensive patients with suspected coronary artery disease. 2009 , 30, 385-90	3
1443	Plasma nociceptin/orphanin FQ levels rise after spontaneous episodes of angina, but not during induced myocardial ischemia. 2009 , 30, 1705-9	8
1442	Myocardial ischemia in asymptomatic adults with repaired aortic coarctation. 2009, 133, 95-101	35
1441	Left ventricular diastolic function after restrictive mitral ring annuloplasty in chronic ischemic mitral regurgitation and its predictive value on outcome and recurrence of regurgitation. 2009 , 132, 419-28	13

1440	Reduced regional systolic function is not confined to the noncompacted segments in noncompaction cardiomyopathy. 2009 , 134, 366-70	24
1439	Impact of previous myocardial infarction on the incremental value of myocardial contrast to two-dimensional supine bicycle stress echocardiography in evaluation of coronary artery disease. 2009 , 136, 47-55	3
1438	Effect of thrombus aspiration on infarct size and left ventricular function in high-risk patients with acute myocardial infarction treated by percutaneous coronary intervention. Results of a prospective controlled pilot study. 2009 , 157, 583.e1-7	34
1437	Incremental value of 2-dimensional speckle tracking strain imaging to wall motion analysis for detection of coronary artery disease in patients undergoing dobutamine stress echocardiography. 2009 , 158, 836-44	98
1436	Cardiac magnetic resonance imaging at 3 and 15 months after application of circulating progenitor cells in recanalised chronic total occlusions. 2009 , 135, 287-95	13
1435	Noninvasive detection of fibrosis applying contrast-enhanced cardiac magnetic resonance in different forms of left ventricular hypertrophy relation to remodeling. 2009 , 53, 284-91	262
1434	Safety and efficacy of commercially available ultrasound contrast agents for rest and stress echocardiography a multicenter experience. 2009 , 53, 32-8	117
1433	ACCF/ACR/AHA/ASE/ASNC/HRS/NASCI/RSNA/SAIP/SCAI/SCCT/SCMR 2008 Health Policy Statement on Structured Reporting in Cardiovascular Imaging. 2009 , 53, 76-90	72
1432	ACC/AHA/ACR/ASE/ASNC/HRS/NASCI/RSNA/SAIP/SCAI/SCCT/SCMR/SIR 2008 Key Data Elements and Definitions for Cardiac Imaging A Report of the American College of Cardiology/American Heart Association Task Force on Clinical Data Standards (Writing Committee to Develop Clinical	51
1431	AHA/ACCF/HRS recommendations for the standardization and interpretation of the electrocardiogram: part VI: acute ischemia/infarction: a scientific statement from the American Heart Association Electrocardiography and Arrhythmias Committee, Council on Clinical Cardiology;	214
1430	Morphologic variants of familial arrhythmogenic right ventricular dysplasia/cardiomyopathy a genetics-magnetic resonance imaging correlation study. 2009 , 53, 1289-99	67
1429	Cardiovascular magnetic resonance in myocarditis: A JACC White Paper. 2009 , 53, 1475-87	1541
1428	Long-term prognostic value of 13N-ammonia myocardial perfusion positron emission tomography added value of coronary flow reserve. 2009 , 54, 150-6	462
1427	Adenosine-induced stress myocardial perfusion imaging using dual-source cardiac computed tomography. 2009 , 54, 1072-84	331
1426	Prognostic value of myocardial infarct size and contractile reserve using magnetic resonance imaging. 2009 , 54, 1770-7	133
1425	Diagnostic capability and reproducibility of strain by Doppler and by speckle tracking in patients with acute myocardial infarction. 2009 , 2, 24-33	105
1424	Systematic analysis of functional and structural changes after coronary microembolization: a cardiac magnetic resonance imaging study. 2009 , 2, 121-30	41
1423	Dobutamine cardiac magnetic resonance results predict cardiac prognosis in women with known or suspected ischemic heart disease. 2009 , 2, 299-307	43

1422	Coronary microvascular resistance index immediately after primary percutaneous coronary intervention as a predictor of the transmural extent of infarction in patients with ST-segment elevation anterior acute myocardial infarction. 2009 , 2, 263-72	48
1421	Magnetic resonance adenosine perfusion imaging in patients after coronary artery bypass graft surgery. 2009 , 2, 437-45	31
1420	Prognostic value of a comprehensive cardiac magnetic resonance assessment soon after a first ST-segment elevation myocardial infarction. 2009 , 2, 835-42	89
1419	Early assessment of myocardial viability by the use of delayed enhancement computed tomography after primary percutaneous coronary intervention. 2009 , 2, 1072-81	33
1418	Combined assessment of myocardial perfusion and late gadolinium enhancement in patients after percutaneous coronary intervention or bypass grafts: a multicenter study of an integrated cardiovascular magnetic resonance protocol. 2009 , 2, 1292-300	42
1417	Early electrocardiographic findings and MR imaging-verified microvascular injury and myocardial infarct size. 2009 , 2, 1187-94	39
1416	Perioperative diastolic dysfunction during vascular surgery and its association with postoperative outcome. 2009 , 50, 70-6	85
1415	CT of coronary artery disease. 2009 , 253, 317-38	71
1414	Analysis of the number of patients needed to treat by coronary revascularization in relation to the presence of myocardial viability in gated SPECT images: a prospective cohort study from a nuclear cardiology unit. 2009 , 28, 6-10	1
1413	Quantitative analysis of left ventricular function as a tool in clinical research. Theoretical basis and methodology. 2009 , 62, 535-51	5
1412	Cardiac magnetic resonance evaluation of edema after ST-elevation acute myocardial infarction. 2009 , 62, 858-66	7
1411	Noninvasive Cardiovascular Imaging Techniques for Basic Science Research: Application to Cellular Therapeutics. 2009 , 62, 918-927	О
1410	Post-reperfusion lymphopenia and microvascular obstruction in ST-segment elevation acute myocardial infarction. 2009 , 62, 1109-17	12
1409	Papillary muscle involvement in acute and chronic myocardial infarction: an MRI study using multi-contrast delayed enhancement pulse sequence. 2009 , 11,	78
1408	Segmentation of the Left Ventricle. 2009 , 91-104	
1407	Ventricularwall thickness analysis in acute myocardial infarction and hypertrophic cardiomyopathy. 2009 ,	1
1406	Attitudinally Correct Cardiac Anatomy. 2009 , 15-21	3
1405	Cardiovascular Magnetic Resonance Imaging. 2009 , 341-362	

1404	stress two-dimensional echocardiography. 2009 , 22, 1220-7	16
1403	Comparison of left ventricular ejection fraction and left ventricular global strain as determinants of infarct size in patients with acute myocardial infarction. 2009 , 22, 1232-8	61
1402	Estimation of Changes in Left Ventricular Wall Thickness in Full Short Axis CMRI to Diagnosis Myocardium Infarctions. 2009 ,	
1401	Diffuse, marked, reversible impairment in coronary microcirculation in stress cardiomyopathy: a Doppler transthoracic echo study. 2009 , 41, 462-70	49
1400	Validation of echocardiographic two-dimensional speckle tracking longitudinal strain imaging for viability assessment in patients with chronic ischemic left ventricular dysfunction and comparison with contrast-enhanced magnetic resonance imaging. 2009 , 104, 312-7	101
1399	Use of multidetector computed tomography for evaluation of global and regional left ventricular function. 2009 , 3, S23-34	26
1398	Survey of the visual exploration and analysis of perfusion data. 2009 , 15, 205-20	19
1397	The feasibility of speckle tracking for intraoperative assessment of regional myocardial function by transesophageal echocardiography. 2009 , 23, 462-7	19
1396	Current advances in vasodilator pharmacological stress perfusion imaging. 2009 , 39, 204-9	17
1395	Anlisis del nimero de pacientes que es necesario tratar mediante revascularizacilh coronaria en relacilh con la presencia de viabilidad miocidica en las imigenes de la gated-SPECT: estudio de cohorte prospectivo desde una unidad de cardiologia nuclear. 2009 , 28, 6-10	5
1394	Anlisis cuantitativo de la funcilh ventricular izquierda como herramienta para la investigacilh cliica. Fundamentos y metodologi. 2009 , 62, 535-551	18
1393	Valoracilh del edema tras un infarto agudo de miocardio con elevacilh del ST mediante resonancia magntica cardiaca. 2009 , 62, 858-866	20
1392	Tcnicas no invasivas de imagen cardiovascular en investigacilh bBica: aplicacilh en la terapia celular. 2009 , 62, 918-927	8
1391	Utilidad de la resonancia magntica cardiaca en el diagnístico de los pacientes con sfidrome coronario agudo y coronarias normales. 2009 , 62, 976-983	36
1390	Linfopenia post-reperfusilh y obstruccilh microvascular en el infarto agudo de miocardio con elevacilh del segmento ST. 2009 , 62, 1109-1117	12
1389	Echocardiography in Acute Coronary Syndrome: Anatomy, Essential Views and Imaging Plains. 2009 , 17-35	
1388	Echocardiography Assessment of the Right Ventricle in Acute Coronary Syndrome. 2009, 59-73	
1387	The value of cardiac magnetic resonance in patients with acute coronary syndrome and normal coronary arteries. 2009 , 62, 976-83	21

1386	Microvascular function in Takotsubo cardiomyopathy with contrast echocardiography: prospective evaluation and review of literature. 2009 , 22, 1249-55	59
1385	Evaluation of ischemic heart disease. 2009 , 5, 315-32, v	17
1384	Diagnostic value of parametric imaging of left ventricular wall motion from contrast-enhanced echocardiograms in patients with poor acoustic windows. 2009 , 22, 276-83	5
1383	Three-dimensional-wall motion tracking: a new and faster tool for myocardial strain assessment: comparison with two-dimensional-wall motion tracking. 2009 , 22, 325-30	148
1382	Quantification of left ventricular systolic dyssynchrony by real-time three-dimensional echocardiography. 2009 , 22, 232-9	55
1381	Left ventricle longitudinal deformation assessment by mitral annulus displacement or global longitudinal strain in chronic ischemic heart disease: are they interchangeable?. 2009 , 22, 823-30	38
1380	Relationships between blood pool and myocardial perfusion-gated SPECT global and regional left ventricular function measurements. 2009 , 30, 292-9	7
1379	Twenty-four-hour thallium-201 imaging enhances the detection of myocardial ischemia and viability after myocardial infarction: a comparison study with echocardiography follow-up. 2009 , 34, 65-9	8
1378	Systemic cardiovascular complications in patients with long-standing diabetes mellitus: comprehensive assessment with whole-body magnetic resonance imaging/magnetic resonance angiography. 2009 , 44, 242-50	36
1377	Cardiac dysfunction during exercise in uncomplicated type 2 diabetes. 2009 , 41, 977-84	62
1376	Quantitative evaluation of regional left ventricular function by multidetector computed tomography. 2009 , 33, 204-10	4
1375	Left ventricular function can reliably be assessed from dual-source CT using ECG-gated tube current modulation. 2009 , 44, 384-9	26
1374	Unsupervised fully automated inline analysis of global left ventricular function in CINE MR imaging. 2009 , 44, 463-8	11
1373	Myocardial abnormalities underlying persistent ST-segment elevation after anterior myocardial infarction. 2009 , 10, 44-50	9
1372	Comparison of low-pitch and respiratory-averaged CT protocols for attenuation correction of cardiac PET studies. 2009 , 36, 1618-23	12
1371	Quantitative assessment of dyssynchrony using ECG-gated SPECT myocardial perfusion imaging prior to and following cardiac resynchronization therapy. 2009 , 73, 1550-3	10
1370	ECG-gated multidetector-row computed tomography in the assessment of left ventricular function. 2009 , 1, 187-194	1
1369	Left ventricular infarct size assessed with 0.1 mmol/kg of gadobenate dimeglumine correlates with that assessed with 0.2 mmol/kg of gadopentetate dimeglumine. 2009 , 33, 328-33	12

1368	Microcirculation Dysfunction: A Possible Mechanism Responsible for Reverse Redistribution in Myocardial Perfusion Imaging?. 2009 , 5, 197-202	2
1367	Site of myocardial infarction and severity of perfusion abnormalities impact on post-stress left ventricular function in patients with single-vessel disease: gated single-photon emission computed tomography methoxyisobutylisonitrile study. 2009 , 30, 148-54	6
1366	Determination of Three-Dimensional Left Ventricle Motion to Analyze Ventricular Dyssyncrony in SPECT Images. 2009 , 2010,	O
1365	Stress-induced ST-segment deviation in relation to the presence and severity of coronary artery disease in patients with normal myocardial perfusion imaging. 2009 , 20, 41-9	
1364	Predictive value of tissue Doppler imaging for left ventricular ejection fraction, remodelling, and infarct size after percutaneous coronary intervention for acute myocardial infarction. 2010 , 11, 596-601	11
1363	Prognostic implications of left ventricular dyssynchrony early after non-ST elevation myocardial infarction without congestive heart failure. 2010 , 31, 298-308	12
1362	Serial cardiac 123I-metaiodobenzylguanidine scintigraphic studies are more useful for predicting cardiac death than one-time scan in patients with chronic heart failure: sub-analysis of our previous report. 2010 , 31, 807-13	8
1361	Rationale and design of the Randomized comparison of XiEnce V and Multilink VisioN coronary stents in the sAme multivessel patient with chronic kiDnEy disease (RENAL-DES) study. 2010 , 11, 310-7	7
1360	Noninvasive cardiovascular imaging in coronary artery disease. 2010 , 2, 271-288	
1359	Registration of myocardial PET and SPECT for viability assessment using mutual information. 2010 , 37, 2414-24	7
1358	Attenuation-emission alignment in cardiac PET/CT based on consistency conditions. 2010 , 37, 1191-200	28
1357	Post-reperfusion enhancement of CD14(+)CD16(-) monocytes and microvascular obstruction in ST-segment elevation acute myocardial infarction. 2010 , 74, 1175-82	19
1356	Evaluating microvascular obstruction after acute myocardial infarction using cardiac magnetic resonance imaging and 201-thallium and 99m-technetium pyrophosphate scintigraphy. 2010 , 74, 2633-40	6
1355	Evaluation of (99m)Tc-myocardial Perfusion SPECT Attenuation Correction by Hybrid SPECT/CT-Examination by Quantitative Analysis 2010 , 66, 371-8	2
1354	Adenosine-stress dynamic myocardial CT perfusion imaging: initial clinical experience. 2010 , 45, 306-13	109
1353	Multislice Cardiac Tomography: Myocardial Function, Perfusion, and Viability. 2010 , 259-277	
1352	Comprehensive evaluation of Kawasaki disease with electrocardiogram-gated cardiac multidetector computed tomography. 2010 , 25, W112-4	1
1351	Single-dose intravenous administration of recombinant human erythropoietin is a promising treatment for patients with acute myocardial infarction - randomized controlled pilot trial of EPO/AMI-1 study 2010 , 74, 1415-23	68

1350	A novel program to accurately quantify infarction volume by (99m)Tc MIBI SPECT, and its application for re-analyzing the effect of erythropoietin administration in patients with acute myocardial infarction. 2010 , 74, 2741-3	6
1349	MR delayed enhancement imaging findings in suspected acute myocarditis. 2010 , 20, 65-72	14
1348	Rapid MR assessment of left ventricular systolic function after acute myocardial infarction using single breath-hold cine imaging with the temporal parallel acquisition technique (TPAT) and 4D guide-point modelling analysis of left ventricular function. 2010 , 20, 73-80	15
1347	Volumetric quantification of myocardial perfusion using analysis of multi-detector computed tomography 3D datasets: comparison with nuclear perfusion imaging. 2010 , 20, 337-47	19
1346	High resolution myocardial magnetic resonance stress perfusion imaging at 3 T using a 1 M contrast agent. 2010 , 20, 533-41	8
1345	Towards risk stratification in systemic atherosclerosis: value of myocardial function and viability imaging as an adjunct to MR angiography. 2010 , 20, 838-45	3
1344	Prevalence of first-pass myocardial perfusion defects detected by contrast-enhanced dual-source CT in patients with non-ST segment elevation acute coronary syndromes. 2010 , 20, 1607-14	27
1343	Image fusion of coronary CT angiography and cardiac perfusion MRI: a pilot study. 2010 , 20, 1174-9	14
1342	Chronic mitral regurgitation detected on cardiac MDCT: differentiation between functional and valvular aetiologies. 2010 , 20, 1886-95	15
1341	Prevalence and functional impact of lipomatous metaplasia in scar tissue following myocardial infarction evaluated by MRI. 2010 , 20, 2074-83	14
1340	Single breath-hold magnetic resonance cine imaging for fast assessment of global and regional left ventricular function in clinical routine. 2010 , 20, 2341-7	13
1339	The culprit lesion and its consequences: combined visualization of the coronary arteries and delayed myocardial enhancement in dual-source CT: a pilot study. 2010 , 20, 2834-43	11
1338	Postconditioning the human heart in percutaneous coronary intervention. 2010 , 33, 439-44	64
1337	Coronary calcium score scans for attenuation correction of quantitative PET/CT 13N-ammonia myocardial perfusion imaging. 2010 , 37, 517-21	26
1336	New reconstruction algorithm allows shortened acquisition time for myocardial perfusion SPECT. 2010 , 37, 750-7	43
1335	Assessment of poststress left ventricular ejection fraction by gated SPECT: comparison with equilibrium radionuclide angiocardiography. 2010 , 37, 349-56	7
1334	A fast cardiac gamma camera with dynamic SPECT capabilities: design, system validation and future potential. 2010 , 37, 1887-902	195
1333	Proposal for standardization of 123I-metaiodobenzylguanidine (MIBG) cardiac sympathetic imaging by the EANM Cardiovascular Committee and the European Council of Nuclear Cardiology. 2010 , 37, 1802-12	245

1332	[Cardiac functional analysis with MRI]. 2010 , 50, 514-22	2
1331	Diagnostic accuracy of contrast echocardiography during adenosine stress for detection of abnormal myocardial perfusion: a prospective comparison with technetium-99 m sestamibi single-photon emission computed tomography. 2010 , 25, 121-30	17
1330	Fractional flow reserve and myocardial perfusion imaging in patients with angiographic multivessel coronary artery disease. 2010 , 3, 307-14	177
1329	A coupled deformable model for tracking myocardial borders from real-time echocardiography using an incompressibility constraint. 2010 , 14, 429-48	43
1328	Incremental value of combining 64-slice computed tomography angiography with stress nuclear myocardial perfusion imaging to improve noninvasive detection of coronary artery disease. 2010 , 17, 19-26	63
1327	Direct comparison of rest and adenosine stress myocardial perfusion CT with rest and stress SPECT. 2010 , 17, 27-37	83
1326	11C-meta-hydroxyephedrine defects persist despite functional improvement in hibernating myocardium. 2010 , 17, 85-96	23
1325	Enhanced definition PET for cardiac imaging. 2010 , 17, 414-26	38
1324	An automatic method for quantification of myocardium at risk from myocardial perfusion SPECT in patients with acute coronary occlusion. 2010 , 17, 831-40	9
1323	Blunted heart rate response as a predictor of cardiac death in patients undergoing vasodilator stress technetium-99m sestamibi gated SPECT myocardial perfusion imaging. 2010 , 17, 617-24	25
1322	Structural epicardial disease and microvascular function are determinants of an abnormal longitudinal myocardial blood flow difference in cardiovascular risk individuals as determined with PET/CT. 2010 , 17, 1023-33	23
1321	Duration and type of therapy for diabetes: impact on cardiac risk stratification with stress electrocardiographic-gated SPECT myocardial perfusion imaging. 2010 , 17, 1041-9	14
1320	Uncharted waters: rare and unclassified cardiomyopathies characterized on cardiac magnetic resonance imaging. 2010 , 1, 293-308	1
1319	Late gadolinium enhancement on cardiac magnetic resonance imaging: is it associated with a higher incidence of nonsustained ventricular tachycardia in patients with idiopathic dilated cardiomyopathy?. 2010 , 28, 355-61	8
1318	Clinical significance of ischemic electrocardiographic changes during stress myocardial perfusion imaging: sub-analysis of the J-ACCESS study. 2010 , 24, 215-24	7
1317	Impact of surgical ventricular reconstruction for ischemic dilated cardiomyopathy on restrictive filling pattern. 2010 , 58, 399-404	5
1316	Characterization of patients with acute chest pain using cardiac magnetic resonance imaging. 2010 , 5, 63-69	О
1315	Tc-99m sestamibi single photon emission computed tomography for guiding percutaneous coronary intervention in patients with multivessel disease: a comparison with quantitative coronary angiography and fractional flow reserve. 2010 , 26, 203-13	23

1314	Cardiovascular magnetic resonance T2 signal abnormalities in left ventricular ballooning syndrome. 2010 , 26, 227-32	22
1313	Signal density of left ventricular myocardial segments and impact of beam hardening artifact: implications for myocardial perfusion assessment by multidetector CT coronary angiography. 2010 , 26, 345-54	63
1312	Closed-chest animal model of chronic coronary artery stenosis. Assessment with magnetic resonance imaging. 2010 , 26, 299-308	10
1311	Prognostic value of late gadolinium enhancement in hypertensive patients with known or suspected coronary artery disease. 2010 , 26 Suppl 1, 123-31	20
1310	Head to head comparison of quantitative versus visual analysis of contrast CMR in the setting of myocardial stunning after STEMI: implications on late systolic function and patient outcome. 2010 , 26, 559-69	7
1309	Oblique 3D MRI tags for the estimation of true 3D cardiac motion parameters. 2010 , 26, 905-21	5
1308	Global and regional wall motion abnormalities of pacing-induced heart failure assessed by multi-detector row CT: a patient and canine model study. 2010 , 26, 223-35	4
1307	ASCI 2010 standardized practice protocol for cardiac magnetic resonance imaging: a report of the Asian society of cardiovascular imaging cardiac computed tomography and cardiac magnetic resonance imaging guideline working group. 2010 , 26, 187-202	11
1306	Cytokine combination therapy with erythropoietin and granulocyte colony stimulating factor in a porcine model of acute myocardial infarction. 2010 , 24, 409-20	7
1305	Integration of MR images with electroanatomical maps: feasibility and utility in guiding left ventricular substrate mapping. 2010 , 29, 157-66	7
1304	Improvement of heart function in postinfarct heart failure swine models after hepatocyte growth factor gene transfer: comparison of low-, medium- and high-dose groups. 2010 , 37, 2075-81	30
1303	Tissue plasminogen activator antigen predicts medium-term left ventricular end-systolic volume after acute myocardial infarction. 2010 , 29, 421-8	5
1302	Physiological-model-constrained noninvasive reconstruction of volumetric myocardial transmembrane potentials. 2010 , 57, 296-315	80
1301	Detection of left ventricular motion abnormality via information measures and bayesian filtering. 2010 , 14, 1106-13	15
1300	Segmentation of the left ventricle from cardiac MR images using a subject-specific dynamical model. 2010 , 29, 669-87	80
1299	A normalized framework for the design of feature spaces assessing the left ventricular function. 2010 , 29, 733-45	22
1298	Posterior or lateral involvement in nonanterior wall infarction. What's in a name?. 2010 , 43, 221	3
1297	The ST injury vector: electrocardiogram-based estimation of location and extent of myocardial ischemia. 2010 , 43, 121-31	12

(2010-2010)

1296	Mason-Likar configuration in estimating infarct volume in patients with ischemic cardiomyopathy. 2010 , 43, 318-25	20
1295	The basics of echocardiography. 2010 , 22, 71-6	7
1294	Comparison of cardiac magnetic resonance with gated SPECT for evaluation of left ventricular function and volumes in patients with severe and multiple myocardial perfusion defects. 2010 , 22, 203-8	1
1293	Apical conicity ratio: a new index on left ventricular apical geometry after myocardial infarction. 2010 , 140, 1402-7.e1-3	8
1292	[Short exercise-rest versus long myocardial perfusion gated SPECT protocols in patients with ischemic cardiomyopathy]. 2010 , 29, 151-6	3
1291	Influence of extracardiac activity and perfusion abnormalities on myocardial perfusion gated SPECT parameters: interobserver analysis. 2010 , 29, 293-8	
1290	[Lack of MR late-enhancement in left ventricular non-compaction in infants and young children]. 2010 , 52, 138-43	6
1289	Incremental prognostic value of novel left ventricular diastolic indexes for prediction of clinical outcome in patients with ST-elevation myocardial infarction. 2010 , 105, 592-7	42
1288	Coronary artery spatial distribution, morphology, and composition of nonculprit coronary plaques by 64-slice computed tomographic angiography in patients with acute myocardial infarction. 2010 , 105, 930-5	22
1287	Changes of myocardial function in patients with non-ST-elevation acute coronary syndrome awaiting coronary angiography. 2010 , 105, 1212-8	13
1286	Dipyridamole stress and rest myocardial perfusion by 64-detector row computed tomography in patients with suspected coronary artery disease. 2010 , 106, 310-5	102
1285	Usefulness of radial strain mapping by multidetector computer tomography to quantify regional myocardial function in patients with healed myocardial infarction. 2010 , 106, 483-91	24
1284	Usefulness of magnetic resonance imaging to distinguish hypertensive and hypertrophic cardiomyopathy. 2010 , 106, 1016-22	47
1283	Functional impact of coronary stenosis observed on coronary computed tomography angiography: Comparison with [IN-ammonia PET. 2010 , 41, 642-8	7
1282	Cardiovascular magnetic resonance imaging of myocardial infarction, viability, and cardiomyopathies. 2010 , 35, 176-220	38
1281	Myocardial infarction quantification with Manganese-Enhanced MRI (MEMRI) in mice using a 3T clinical scanner. 2010 , 23, 503-13	17
1280	Imaging the Failing Heart. 2010 , 45-81	
1279	Quantification of 3D regional myocardial wall thickening from gated magnetic resonance images. 2010 , 31, 317-27	12

1278	Comparison of dual to single contrast bolus magnetic resonance myocardial perfusion imaging for detection of significant coronary artery disease. 2010 , 32, 88-93	10
1277	Comparison of myocardial perfusion estimates from dynamic contrast-enhanced magnetic resonance imaging with four quantitative analysis methods. 2010 , 64, 125-37	66
1276	Preferential patterns of myocardial iron overload by multislice multiecho T*2 CMR in thalassemia major patients. 2010 , 64, 211-9	39
1275	Simultaneous myocardial strain and dark-blood perfusion imaging using a displacement-encoded MRI pulse sequence. 2010 , 64, 787-98	6
1274	Effect of improving spatial or temporal resolution on image quality and quantitative perfusion assessment with k-t SENSE acceleration in first-pass CMR myocardial perfusion imaging. 2010 , 64, 1616-24	16
1273	Imaging three-dimensional myocardial mechanics using navigator-gated volumetric spiral cine DENSE MRI. 2010 , 64, 1089-97	132
1272	New universal definition of myocardial infarction applicable after complex percutaneous coronary interventions?. 2010 , 3, 950-8	31
1271	Visual estimation of the extent of myocardial hyperenhancement on late gadolinium-enhanced CMR in patients with hypertrophic cardiomyopathy. 2010 , 28, 812-9	13
1270	Myocardial strain and strain rate in monitoring subclinical heart failure in asymptomatic long-term survivors of childhood cancer. 2010 , 36, 1783-91	46
1269	Changes in the initial slope of the QRS in ischemic patients and normal subjects undergoing scintigraphy with dipyridamole. 2010 , 40, 869-75	1
1268	Design and validation of Segmentfreely available software for cardiovascular image analysis. 2010 , 10, 1	594
1267	Longitudinal peak strain detects a smaller risk area than visual assessment of wall motion in acute myocardial infarction. 2010 , 8, 2	11
1266	Evaluation of contrast wash-in and peak enhancement in adenosine first pass perfusion CMR in patients post bypass surgery. 2010 , 12, 28	19
1265	Troponin release following endurance exercise: is inflammation the cause? a cardiovascular magnetic resonance study. 2010 , 12, 38	79
1264	Myocardial late gadolinium enhancement cardiovascular magnetic resonance in patients with cirrhosis. 2010 , 12, 47	29
1263	Longitudinally and circumferentially directed movements of the left ventricle studied by cardiovascular magnetic resonance phase contrast velocity mapping. 2010 , 12, 48	36
1262	BOLD cardiovascular magnetic resonance at 3.0 tesla in myocardial ischemia. 2010 , 12, 54	45
1261	The 20 year evolution of dobutamine stress cardiovascular magnetic resonance. 2010 , 12, 59	38

(2010-2010)

1260	Improvement of myocardial perfusion reserve detected by cardiovascular magnetic resonance after direct endomyocardial implantation of autologous bone marrow cells in patients with severe coronary artery disease. 2010 , 12, 6	13
1259	Automated left ventricular diastolic function evaluation from phase-contrast cardiovascular magnetic resonance and comparison with Doppler echocardiography. 2010 , 12, 63	45
1258	Shortened Modified Look-Locker Inversion recovery (ShMOLLI) for clinical myocardial T1-mapping at 1.5 and 3 T within a 9 heartbeat breathhold. 2010 , 12, 69	458
1257	Relation between regional and global systolic function in patients with ischemic cardiomyopathy after beta-blocker therapy or revascularization. 2010 , 12, 7	5
1256	Parametric quantification of myocardial ischaemia using real-time perfusion adenosine stress echocardiography images, with SPECT as reference method. 2010 , 30, 30-42	5
1255	Diagnostic performance of cardiac magnetic resonance imaging in coronary artery disease. 2010 , 30, 89-97	2
1254	Differential effect of biventricular and right ventricular DDD pacing on coronary flow reserve in patients with ischemic cardiomyopathy. 2010 , 21, 1233-9	9
1253	Assessment of myocardial perfusion during adenosine stress using real time three-dimensional and two-dimensional myocardial contrast echocardiography: comparison with single-photon emission computed tomography. 2010 , 27, 421-9	20
1252	The effect of cardiac fibrosis on left ventricular remodeling, diastolic function, and N-terminal pro-B-type natriuretic peptide levels in patients with nonischemic dilated cardiomyopathy. 2010 , 27, 954-60	23
1251	The contribution of intramyocardial hemorrhage to the "no-reflow phenomenon": a study performed by cardiac magnetic resonance. 2010 , 27, 1120-9	8
1250	Myocardial strain characterization in different left ventricular adaptative responses to high blood pressure: a study based on 3D-wall motion tracking analysis. 2010 , 27, 1238-46	21
1249	Effect of human peripheral monocyte subsets on coronary flow reserve in infarct-related artery in patients with primary anterior acute myocardial infarction. 2010 , 37, 453-9	4
1248	Thetransesophageal echo examination. 43-58	
1247	Left ventricular systolic and diastolic function. 145-162	
1246	Ischemic heart disease. 225-246	
1245	Automated detection of left ventricular dyskinesis by gated blood pool SPECT. 2010 , 31, 881-8	4
1244	Wall Motion Stress Cardiovascular Magnetic Resonance. 2010 , 196-212	1
1243	Comparison of Perfusion and Wall Motion Cardiovascular Magnetic Resonance Imaging. 2010 , 229-240	

1242	Actualizaciin de protocolos de cardiologi nuclear para evaluaciin y manejo de enfermedad coronaria: Sociedad Chilena de Cardiologi y Cirugi Cardiovascular. 2010 , 29,		1
1241	Attenuation of adenosine-induced myocardial perfusion heterogeneity by atenolol and other cardioselective beta-adrenoceptor blockers: a crossover myocardial perfusion imaging study. 2010 , 51, 1036-43		22
1240	Prevalence of left ventricular regional dysfunction in arrhythmogenic right ventricular dysplasia: a tagged MRI study. 2010 , 3, 290-7		30
1239	Impact of multivessel coronary artery disease on early ischemic injury, late clinical outcome, and remodeling in patients with acute myocardial infarction treated by primary coronary angioplasty. 2010 , 21, 78-86		22
1238	Definition of vascular territories on myocardial perfusion images by integration with true coronary anatomy: a hybrid PET/CT analysis. 2010 , 51, 198-203		74
1237	Predictive value of multislice computed tomography variables of atherosclerosis for ischemia on stress-rest single-photon emission computed tomography. 2010 , 3, 718-26		16
1236	Remote Ischemic Conditioning in Patients With Myocardial Infarction Treated With Primary Angioplasty: Impact on Left Ventricular Function Assessed by Comprehensive Echocardiography and Gated Single-Photon Emission CT. 2010 , 3, 656-62		93
1235	Ischaemic heart disease assessment by cardiovascular magnetic resonance imaging. 2010 , 86, 532-40		4
1234	Strain echocardiography predicts acute coronary occlusion in patients with non-ST-segment elevation acute coronary syndrome. 2010 , 11, 501-8		52
1233	Myocardial structural, perfusion, and metabolic correlates of left bundle branch block mechanical derangement in patients with dilated cardiomyopathy: a tagged cardiac magnetic resonance and positron emission tomography study. 2010 , 3, 482-90		37
1232	Incremental value of adenosine-induced stress myocardial perfusion imaging with dual-source CT at cardiac CT angiography. 2010 , 254, 410-9		204
1231	Right ventricular ischemic injury in patients with acute ST-segment elevation myocardial infarction: characterization with cardiovascular magnetic resonance. <i>Circulation</i> , 2010 , 122, 1405-12	16.7	76
1230	Incremental diagnostic value of regional left ventricular function over coronary assessment by cardiac computed tomography for the detection of acute coronary syndrome in patients with acute chest pain: from the ROMICAT trial. 2010 , 3, 375-83		51
1229	Computational complexity reduction via mode superposition: Application to biomechanics-based nonlinear cardiac deformation recovery. 2010 ,		
1228	Simulation of late gadolinium enhancement cardiac magnetic resonance studies. 2010 , 2010, 1469-72		3
1227	Anatomy of the Heart for a Dissector. 2010 , 1-39		
1226	CAD of osteoporosis in vertebrae using dual-energy CT. 2010 ,		5
1225	PET assessment of myocardial perfusion reserve inversely correlates with intravascular ultrasound findings in angiographically normal cardiac transplant recipients. 2010 , 51, 906-12		48

1224	Microvascular obstruction remains a portent of adverse remodeling in optimally treated patients with left ventricular systolic dysfunction after acute myocardial infarction. 2010 , 3, 360-7	57
1223	Integrated approach for the study of anatomical variability in the cardiac Purkinje system: from high resolution MRI to electrophysiology simulation. 2010 , 2010, 6793-6	8
1222	Quantification of myocardial blood flow using the combination of bolus tracking and time-registered helical multidetector CT angiography during adenosine stress. 2010 ,	
1221	Assessment of regional myocardial wall stress before and after surgical correction of functional ischaemic mitral regurgitation using multidetector computed tomography and novel software system. 2010 , 38, 163-70	11
1220	Diagnostic utility of cardiac magnetic resonance for detection of cardiac involvement in female carriers of Duchenne muscular dystrophy. 2010 , 2, 52-5	4
1219	Detection of myocardial perfusion abnormalities: standard dual-source coronary computed tomography angiography versus rest/stress technetium-99m single-photo emission CT. 2010 , 83, 652-60	11
1218	Assessment of left ventricular ejection fraction and regional wall motion with 64-slice multidetector CT: a comparison with two-dimensional transthoracic echocardiography. 2010 , 83, 28-34	42
1217	Right ventricular involvement in anterior myocardial infarction: a translational approach. 2010 , 87, 601-8	34
1216	. 2010,	
1215	3D versus 2D dynamic 82Rb myocardial blood flow imaging in a canine model of stunned and infarcted myocardium. 2010 , 31, 75-81	7
1215		7
	infarcted myocardium. 2010 , 31, 75-81	
1214	Recommendations for reporting perioperative transoesophageal echo studies. 2010, 11, 387-93 Accelerated two- and three-dimensional cine MR imaging of the heart by using a 32-channel coil. 2010, 254, 98-108 Quantification of regional myocardial blood flow in a canine model of stunned and infarcted	21
1214	Infarcted myocardium. 2010, 31, 75-81 Recommendations for reporting perioperative transoesophageal echo studies. 2010, 11, 387-93 Accelerated two- and three-dimensional cine MR imaging of the heart by using a 32-channel coil. 2010, 254, 98-108 Quantification of regional myocardial blood flow in a canine model of stunned and infarcted myocardium: comparison of rubidium-82 positron emission tomography with microspheres. 2010,	21
1214 1213 1212	Recommendations for reporting perioperative transoesophageal echo studies. 2010, 11, 387-93 Accelerated two- and three-dimensional cine MR imaging of the heart by using a 32-channel coil. 2010, 254, 98-108 Quantification of regional myocardial blood flow in a canine model of stunned and infarcted myocardium: comparison of rubidium-82 positron emission tomography with microspheres. 2010, 31, 67-74	21 15 9
1214 1213 1212 1211	Recommendations for reporting perioperative transoesophageal echo studies. 2010, 11, 387-93 Accelerated two- and three-dimensional cine MR imaging of the heart by using a 32-channel coil. 2010, 254, 98-108 Quantification of regional myocardial blood flow in a canine model of stunned and infarcted myocardium: comparison of rubidium-82 positron emission tomography with microspheres. 2010, 31, 67-74 Current noninvasive imaging techniques for detection of coronary artery disease. 2010, 8, 77-91	21 15 9
1214 1213 1212 1211 1210	Recommendations for reporting perioperative transoesophageal echo studies. 2010, 11, 387-93 Accelerated two- and three-dimensional cine MR imaging of the heart by using a 32-channel coil. 2010, 254, 98-108 Quantification of regional myocardial blood flow in a canine model of stunned and infarcted myocardium: comparison of rubidium-82 positron emission tomography with microspheres. 2010, 31, 67-74 Current noninvasive imaging techniques for detection of coronary artery disease. 2010, 8, 77-91 Cardiovascular MRI in acute myocardial infarction. 2010, 2, 327-339 An automated four-point scale scoring of segmental wall motion in echocardiography using	21 15 9 17

1206	Design and methodologies of the POSTconditioning during coronary angioplasty in acute myocardial infarction (POST-AMI) trial. 2010 , 116, 110-6	20
1205	Combined cardiac CT and MRI for the comprehensive workup of hemodynamically relevant coronary stenoses. 2010 , 194, 920-6	24
1204	Late gadolinium-enhanced cardiovascular MRI at end-systole: feasibility study. 2010 , 195, 1088-94	6
1203	Contractile reserve and extent of transmural necrosis in the setting of myocardial stunning: comparison at cardiac MR imaging. 2010 , 255, 755-63	32
1202	A method for reconstructing the arterial input function during helical CT: implications for myocardial perfusion distribution imaging. 2010 , 255, 396-404	25
1201	Does coronary calcium score predict future cardiac function? Association of subclinical atherosclerosis with left ventricular systolic and diastolic dysfunction at MR imaging in an elderly cohort. 2010 , 257, 64-70	14
1200	Independent and incremental value of stress echocardiography over clinical and stress electrocardiographic parameters for the prediction of hard cardiac events in new-onset suspected angina with no history of coronary artery disease. 2010 , 11, 875-82	26
1199	Diffuse late gadolinium enhancement by cardiovascular magnetic resonance predicts significant intraventricular systolic dyssynchrony in patients with non-ischemic dilated cardiomyopathy. 2010 , 23, 416-22	31
1198	Myocardial contrast echocardiography versus single photon emission computed tomography for assessment of hibernating myocardium in ischemic cardiomyopathy: preliminary qualitative and quantitative results. 2010 , 23, 840-7	10
1197	Right ventricular outflow tract pacing causes intraventricular dyssynchrony in patients with sick sinus syndrome: a real-time three-dimensional echocardiographic study. 2010 , 23, 599-607	7
1196	Determination of unknown high-grade atherosclerotic lesions by whole-body cardiovascular imaging: assessment of patients with symptomatic atherosclerotic disease of peripheral arteries. 2010 , 17, 219-29	
1195	The role of echocardiography in hemodynamic assessment of septic shock. 2010 , 26, 365-82, table of contents	203
1194	Short exercise-rest versus long myocardial perfusion gated SPECT protocols in patients with ischemic cardiomyopathy. 2010 , 29, 151-156	
1193	Exercise-induced left ventricular systolic dysfunction in women heterozygous for dystrophinopathy. 2010 , 23, 848-53	9
1192	Serum soluble ST2: a potential novel mediator in left ventricular and infarct remodeling after acute myocardial infarction. 2010 , 55, 243-50	216
1191	Natural history and expansive clinical profile of stress (tako-tsubo) cardiomyopathy. 2010 , 55, 333-41	621
1190	Increased oxidative stress and cardiomyocyte myofibrillar degeneration in patients with chronic isolated mitral regurgitation and ejection fraction >60%. 2010 , 55, 671-9	93
1189	Differential effects of progenitor cell populations on left ventricular remodeling and myocardial neovascularization after myocardial infarction. 2010 , 55, 2232-43	90

(2010-2010)

1188	Cardiac sympathetic denervation assessed with 123-iodine metaiodobenzylguanidine imaging predicts ventricular arrhythmias in implantable cardioverter-defibrillator patients. 2010 , 55, 2769-77	268
1187	Myocardial iodine-123 meta-iodobenzylguanidine imaging and cardiac events in heart failure. Results of the prospective ADMIRE-HF (AdreView Myocardial Imaging for Risk Evaluation in Heart Failure) study. 2010 , 55, 2212-21	608
1186	Cardiac magnetic resonance with edema imaging identifies myocardium at risk and predicts worse outcome in patients with non-ST-segment elevation acute coronary syndrome. 2010 , 55, 2480-8	91
1185	Predicting late myocardial recovery and outcomes in the early hours of ST-segment elevation myocardial infarction traditional measures compared with microvascular obstruction, salvaged myocardium, and necrosis characteristics by cardiovascular magnetic resonance. 2010 , 55, 2459-69	174
1184	Prognostic value of high-dose dobutamine stress magnetic resonance imaging in 1,493 consecutive patients: assessment of myocardial wall motion and perfusion. 2010 , 56, 1225-34	94
1183	Strain-encoded CMR for the detection of inducible ischemia during intermediate stress. 2010 , 3, 361-71	62
1182	Analysis of LV lead position in cardiac resynchronization therapy using different imaging modalities. 2010 , 3, 472-81	24
1181	Navigator-gated 3D blood oxygen level-dependent CMR at 3.0-T for detection of stress-induced myocardial ischemic reactions. 2010 , 3, 375-84	46
1180	Determinants of myocardial salvage during acute myocardial infarction: evaluation with a combined angiographic and CMR myocardial salvage index. 2010 , 3, 491-500	45
1179	Contractile reserve in segments with nontransmural infarction in chronic dysfunctional myocardium using low-dose dobutamine CMR. 2010 , 3, 614-22	14
1178	Relationship between transmural extent of necrosis and quantitative recovery of regional strains after revascularization. 2010 , 3, 720-30	17
1177	Clinical feasibility of accelerated, high spatial resolution myocardial perfusion imaging. 2010 , 3, 710-7	31
1176	Real-time 3D fusion echocardiography. 2010 , 3, 682-90	26
1175	Stress and rest dynamic myocardial perfusion imaging by evaluation of complete time-attenuation curves with dual-source CT. 2010 , 3, 811-20	157
1174	Adenosine stress myocardial contrast echocardiography for the detection of coronary artery disease: a comparison with coronary angiography and cardiac magnetic resonance. 2010 , 3, 934-43	35
1173	Heterogeneous myocardial FDG uptake and the disease activity in cardiac sarcoidosis. 2010 , 3, 1219-28	119
1172	Assessment of left ventricular non-compaction in adults: side-by-side comparison of cardiac magnetic resonance imaging with echocardiography. 2010 , 103, 150-9	74
1171	. 2010,	

1170	Long-term chelation therapy with deferasirox: effects on cardiac iron overload measured by T2* MRI. 2010 , 30, 267-73	4
1169	Negative contractile reserve with low-dose dobutamine in patients with ischemic cardiomyopathy investigated by gated myocardial perfusion SPECT. 2010 , 63, 181-9	
1168	Normal myocardial perfusion SPECT database for the Spanish population. 2010 , 63, 934-42	4
1167	Submaximal exercise testing plus atropine in myocardial perfusion SPECT. 2010 , 63, 1155-61	2
1166	Characterizing myocardial deformation in patients with left ventricular hypertrophy of different etiologies using the strain distribution obtained by magnetic resonance imaging. 2010 , 63, 1281-91	4
1165	Lack of MR late-enhancement in left ventricular non-compaction in infants and young children. 2010 , 52, 138-143	11
1164	Influence of extracardiac activity and perfusion abnormalities on myocardial perfusion gated SPECT parameters: Interobserver analysis. 2010 , 29, 293-298	
1163	Clinical application of CT coronary angiography: state of the art. 2010 , 19, 107-16	20
1162	Stress perfusion imaging using cardiovascular magnetic resonance: a review. 2010 , 19, 697-705	11
1161	Magnetic resonance reveals long-term sequelae of apical ballooning syndrome. 2010 , 139, 25-31	10
1160	Exogenous adenosine triphosphate disodium administration during primary percutaneous coronary intervention reduces no-reflow and preserves left ventricular function in patients with acute anterior myocardial infarction: a study using myocardial contrast echocardiography. 2010 , 140, 200-9	12
1159	LâĦnalyse combine de la tomoscintigraphie myocardique de stress et de lâĦngioscanner coronaire pour identifier les artfles responsables de lâြtchmie. 2010 , 34, 637-646	1
1158	Prolonged therapy with erythropoietin is safe and prevents deterioration of left ventricular systolic function in a porcine model of myocardial infarction. 2010 , 16, 579-89	8
1157	Serum levels of high-sensitivity troponin T: a novel marker for cardiac remodeling in hypertrophic cardiomyopathy. 2010 , 16, 950-6	71
1156	Collateral pressure and flow in acute myocardial infarction with total coronary occlusion correlate with angiographic collateral grade and creatine kinase levels. 2010 , 159, 764-71	11
1155	Relationship between myocardial blush grades, staining, and severe microvascular damage after primary percutaneous coronary intervention a study performed with contrast-enhanced magnetic resonance in a large consecutive series of patients. 2010 , 159, 1124-32	21
1154	Regional myocardial blood flow measured by stress multidetector computed tomography as a predictor of recovery of left ventricular function after coronary artery bypass grafting. 2010 , 160, 528-34	13
1153	Cardiac segmental analysis in left ventricular noncompaction: experience in a pediatric population. 2010 , 23, 46-53	45

Chronic myocardial infarction detection and characterization during coronary artery ca acquisitions. 2010 , 4, 99-107	lcium scoring
Adenosine-stress dynamic myocardial volume perfusion imaging with second generation dual-source computed tomography: Concepts and first experiences. 2010 , 4, 127-35	on 32
Cardiac computed tomography for prediction of myocardial viability after reperfused a myocardial infarction. 2010 , 4, 267-73	ocute 15
Association of epicardial adipose tissue with coronary atherosclerosis is region-specific independent of conventional risk factors and intra-abdominal adiposity. 2010 , 213, 279	
Reserva contretil negativa con bajas dosis de dobutamina en los pacientes con miocard isquênica estudiados mediante gated-SPECT de perfusien miocedica. 2010 , 63, 181-189	liopatä 1
Base de datos de normalidad de la SPECT de perfusilh miocfdica en la poblacilh espa ô l 63, 934-942	a. 2010 , 4
1146 Prueba de esfuerzo submilima y atropina en la SPECT de perfusilh miocildica. 2010 , 63,	1155-1161 2
Caracterizacilh de la deformacilh mioclidica en pacientes con hipertrofia ventricular izo 1145 diferente etiologi mediante el uso de distribuciones de strain obtenidas de imigenes d resonancia magnitica. 2010 , 63, 1281-1291	
Dual-energy computed tomography for integrative imaging of coronary artery disease and clinical applications. 2010 , 31, 276-91	: principles 55
HGF percutaneous endocardial injection induces cardiomyocyte proliferation and rescu function in pigs. 2010 , 24, 198-206	ues cardiac 6
Recovery of function after acute myocardial infarction evaluated by tissue Doppler strate. 2010 , 23, 432-8	ain and strain 14
Reliability of visual assessment of global and segmental left ventricular function: a mu study by the Israeli Echocardiography Research Group. 2010 , 23, 258-64	lticenter 49
1140 Statistical Atlases and Computational Models of the Heart. 2010 ,	11
1139 Assessment of local and global cardiac function based on AHA standardization. 2010 ,	
1138 Normal Cardiac Anatomy, Orientation, and Function. 2010 , 140-157	
Mesenchymal stromal cell derived endothelial progenitor treatment in patients with reangle angina. 2011 , 45, 161-8	efractory 58
Patient specific cardiovascular risk assessment and treatment decision support based of modelling and medical guidelines. 2011 , 2011, 838-41	on multiscale
Quantitative Analysis of First-Pass Contrast-Enhanced Myocardial Perfusion Multideter a Patlak Plot Method and Extraction Fraction Correction During Adenosine Stress. 201	

1134 Ontological Labels for Automated Location of Left Ventricular Remodeling. 2011,

1133	Cardiovascular MR Imaging Planes and Segmentation. 2011 , 93-107	2
1132	Functional Imaging and Modeling of the Heart. 2011 ,	11
1131	Differential effects of coronary artery stenosis on myocardial function: the value of myocardial strain analysis for the detection of coronary artery disease. 2011 , 24, 748-57	69
1130	Novel area strain based on three-dimensional wall motion analysis for assessment of global left ventricular performance after repair of tetralogy of Fallot. 2011 , 24, 819-25	25
1129	Normal magnetic resonance imaging of the thorax. 2011 , 19, 489-506, viii	1
1128	Reproducibility and inter-vendor variability of left ventricular deformation measurements by three-dimensional speckle-tracking echocardiography. 2011 , 24, 878-85	124
1127	Impact of myocardial perfusion gated-SPECT on the decision to perform coronary angiography in patients with left ventricular dysfunction of ischemic origin. 2011 , 30, 141-146	
1126	High-resolution magnetic resonance myocardial perfusion imaging at 3.0-Tesla to detect hemodynamically significant coronary stenoses as determined by fractional flow reserve. 2011 , 57, 70-5	160
1125	Regional left ventricular myocardial dysfunction as a predictor of incident cardiovascular events MESA (multi-ethnic study of atherosclerosis). 2011 , 57, 1735-44	25
1124	Impaired myocardial flow reserve on rubidium-82 positron emission tomography imaging predicts adverse outcomes in patients assessed for myocardial ischemia. 2011 , 58, 740-8	382
1123	Strain-encoded cardiac magnetic resonance during high-dose dobutamine stress testing for the estimation of cardiac outcomes: comparison to clinical parameters and conventional wall motion readings. 2011 , 58, 1140-9	46
1122	The CT-STAT (Coronary Computed Tomographic Angiography for Systematic Triage of Acute Chest Pain Patients to Treatment) trial. 2011 , 58, 1414-22	430
1121	Normal myocardial perfusion on 64-detector resting cardiac CT. 2011 , 5, 52-60	11
1120	Assessment of left ventricular regional wall motion and ejection fraction with low-radiation dose helical dual-source CT: comparison to two-dimensional echocardiography. 2011 , 5, 149-57	17
1119	Detection of myocardial perfusion abnormalities using ultra-low radiation dose regadenoson stress multidetector computed tomography. 2011 , 5, 247-54	32
1118	Incremental value of an integrated adenosine stress-rest MDCT perfusion protocol for detection of obstructive coronary artery disease. 2011 , 5, 392-405	29
1117	Incremental value of myocardial perfusion over regional left ventricular function and coronary stenosis by cardiac CT for the detection of acute coronary syndromes in high-risk patients: a subgroup analysis of the ROMICAT trial. 2011 , 5, 382-91	26

1116	Myocardial hypo-enhancement on resting computed tomography angiography images accurately identifies myocardial hypoperfusion. 2011 , 5, 412-20	20
1115	Quantitative myocardial perfusion imaging using rapid kVp switch dual-energy CT: preliminary experience. 2011 , 5, 430-42	58
1114	A stepwise approach to the visual interpretation of CT-based myocardial perfusion. 2011 , 5, 357-69	56
1113	A comparison of reconstruction and viewing parameters on image quality and accuracy of stress myocardial CT perfusion. 2011 , 5, 459-66	13
1112	Dipyridamole stress and rest transmural myocardial perfusion ratio evaluation by 64 detector-row computed tomography. 2011 , 5, 443-8	52
1111	Additional value of dipyridamole stress myocardial perfusion by 64-row computed tomography in patients with coronary stents. 2011 , 5, 449-58	22
1110	Diagnostic performance of combined noninvasive coronary angiography and myocardial perfusion imaging using 320 row detector computed tomography: design and implementation of the CORE320 multicenter, multinational diagnostic study. 2011 , 5, 370-81	69
1109	Myocardial ischemia in the absence of obstructive coronary artery disease in systemic lupus erythematosus. 2011 , 4, 27-33	111
1108	Direct T2 quantification of myocardial edema in acute ischemic injury. 2011 , 4, 269-78	263
1107	Long-term prognostic value of dobutamine stress CMR. 2011 , 4, 161-72	56
1106	Prognostic value of CT angiography for major adverse cardiac events in patients with acute chest pain from the emergency department: 2-year outcomes of the ROMICAT trial. 2011 , 4, 481-91	117
1105	LV mechanical dyssynchrony in heart failure with preserved ejection fraction complicating acute coronary syndrome. 2011 , 4, 348-57	16
1104	Peri-infarct zone on early contrast-enhanced CMR imaging in patients with acute myocardial infarction. 2011 , 4, 610-8	37
1103	Stress myocardial perfusion imaging by CMR provides strong prognostic value to cardiac events regardless of patient's sex. 2011 , 4, 850-61	91
1102	Myocardial perfusion imaging is a strong predictor of death in women. 2011 , 4, 880-8	33
1101	Arterial spin labeled CMR detects clinically relevant increase in myocardial blood flow with vasodilation. 2011 , 4, 1253-61	39
1100	Anatomy. 2011 , 13-28	
1099	Guidelines for performing ultrasound guided vascular cannulation: recommendations of the American Society of Echocardiography and the Society of Cardiovascular Anesthesiologists. 2011 , 24 1291-318	252

1098	Regional myocardial function after intracoronary bone marrow cell injection in reperfused anterior wall infarction - a cardiovascular magnetic resonance tagging study. 2011 , 13, 22	28
1097	Parameterization of real-time 3D speckle tracking framework for cardiac strain assessment. 2011 , 2011, 2654-7	2
1096	3D imaging of myocardial perfusion and coronary tree morphology from a single rotational angiogram. 2011 ,	
1095	Correlation of Chest Radiograph and CT of the Heart. 2011 , 131-163	
1094	Clinical phenotype and diagnosis of arrhythmogenic right ventricular cardiomyopathy in pediatric patients carrying desmosomal gene mutations. 2011 , 8, 1686-95	56
1093	Mean strain throughout the heart cycle by longitudinal two-dimensional speckle-tracking echocardiography enables early prediction of infarct size. 2011 , 24, 1118-25	12
1092	Prognostic value of cardiac troponin T in patients with moderate to severe heart failure scheduled for cardiac resynchronization therapy. 2011 , 161, 1031-7	20
1091	Intramyocardial plasmid-encoding human vascular endothelial growth factor A165/basic fibroblast growth factor therapy using percutaneous transcatheter approach in patients with refractory coronary artery disease (VIF-CAD). 2011 , 161, 581-9	70
1090	A randomized study of transendocardial injection of autologous bone marrow mononuclear cells and cell function analysis in ischemic heart failure (FOCUS-HF). 2011 , 161, 1078-87.e3	144
1089	Safety, feasibility, and diagnostic value of cardiac magnetic resonance imaging in patients with cardiac pacemakers and implantable cardioverters/defibrillators at 1.5 T. 2011 , 161, 1096-105	66
1088	Late gadolinium enhancement on cardiac magnetic resonance and phenotypic expression in hypertrophic cardiomyopathy. 2011 , 161, 1073-7	14
1087	The cristal (right superior septal) coronary artery and its relationship to anomalous left coronary origin. 2011 , 66, 993-7	1
1086	Plasma TIMP-4 predicts left ventricular remodeling after acute myocardial infarction. 2011 , 17, 465-71	16
1085	Comparison of visual scoring and quantitative planimetry methods for estimation of global infarct size on delayed enhanced cardiac MRI and validation with myocardial enzymes. 2011 , 78, 87-92	24
1084	Low dose prospective ECG-gated delayed enhanced dual-source computed tomography in reperfused acute myocardial infarction comparison with cardiac magnetic resonance. 2011 , 80, 326-30	10
1083	Coronary artery disease: which degree of coronary artery stenosis is indicative of ischemia?. 2011 , 80, 120-6	18
1082	Novel software package for quantifying local circumferential myocardial stress. 2011 , 147, 134-6	5
1081	What's up Doc? Or about running about. 2011 , 147, 136-8	

1080	Left ventricular contractile function after distal protection in primary percutaneous coronary intervention: results from the Drug Elution and Distal Protection in ST-Elevation Myocardial Infarction trial. 2011 , 146, 395-8	4
1079	Predictive value of NT-pro BNP after acute myocardial infarction: relation with acute and chronic infarct size and myocardial function. 2011 , 147, 118-23	67
1078	Blood oxygen level-dependent magnetic resonance imaging using T2-prepared steady-state free-precession imaging in comparison to contrast-enhanced myocardial perfusion imaging. 2011 , 147, 416-9	12
1077	Biodistribution of bone marrow mononuclear cells in chronic chagasic cardiomyopathy after intracoronary injection. 2011 , 149, 310-4	23
1076	Galectin-3 in heart failure: high levels are associated with all-cause mortality. 2011 , 150, 361-4	65
1075	Diagnostic value of standard and extended ECG leads for the detection of acute myocardial infarction as compared to contrast-enhanced magnetic resonance imaging. 2011 , 152, 103-5	2
1074	Anterior wall viability and low ejection fraction predict functional improvement after CABG. 2011 , 171, 416-21	4
1073	Assessment of global and regional left ventricular volume and shape by real-time 3-dimensional echocardiography in dogs with myxomatous mitral valve disease. 2011 , 25, 1036-43	34
1072	Evolution of acute coronary syndrome with normal coronary arteries and normal cardiac magnetic resonance imaging. 2011 , 104, 509-17	32
1071	Serum cystatin C is associated with early stage coronary atherosclerotic plaque morphology on multidetector computed tomography. 2011 , 218, 350-5	27
1070	3D fusion of functional cardiac magnetic resonance imaging and computed tomography coronary angiography: accuracy and added clinical value. 2011 , 46, 331-40	11
1069	Dyslipidemia, low left ventricular ejection fraction and high wall motion score index are predictors of progressive left ventricular dilatation after acute myocardial infarction. 2011 , 41, 124-9	8
1068	Relevance of I-BMIPP delayed scintigraphic imaging for patients with angina pectoris - a pilot study. 2011 , 7, 428-32	4
1067	Evaluation of Agreement between 64-slice Computed Tomography Angiography and 201-Tl Single Photon Emission Computed Tomography-myocardial Perfusion Imaging in the Diagnosis of Significant Coronary Artery Disease. 2011 , 64, 541	
1066	Chasing the reflected wave back into the heart: a new hypothesis while the jury is still out. 2011 , 7, 365-73	6
1065	Trimetazidine on ischemic injury and reperfusion in coronary artery bypass grafting. 2011 , 97, 209-16	16
1064	[Dobutamine stress cardiovascular magnetic resonance imaging in patients with peripheral artery disease]. 2011 , 152, 285-91	О
1063	Electrical activation in the coronary sinus branches as a guide to cardiac resynchronisation therapy: rationale for a coordinate system. 2011 , 6, e19914	

1062	Dual-energy computed tomography for the detection of late enhancement in reperfused chronic infarction: a comparison to magnetic resonance imaging and histopathology in a porcine model. 2011 , 46, 450-6	48
1061	Cardiac abnormalities in severe acute dichlorvos poisoning. 2011 , 39, 1906-12	7
1060	High-temporal resolution dual-energy computed tomography of the heart using a novel hybrid image reconstruction algorithm: initial experience. 2011 , 35, 119-25	30
1059	Key variables for interpreting 99mTc-mercaptoacetyltriglycine diuretic scans: development and validation of a predictive model. 2011 , 197, 325-33	19
1058	Hybrid SPECT/CT for attenuation correction of stress myocardial perfusion imaging. 2011 , 36, 344-9	17
1057	Low b-value diffusion-weighted cardiac magnetic resonance imaging: initial results in humans using an optimal time-window imaging approach. 2011 , 46, 751-8	39
1056	Investigation of the effects of attenuation correction on the compatibility of two single photon emission computed tomography systems with the use of segmentation through registration. 2011 , 317, 012006	
1055	Magnetic resonance imaging of myocardial injury and ventricular torsion after marathon running. 2011 , 120, 143-52	48
1054	Left ventricular basal myocardial scarring detected by delayed enhancement magnetic resonance imaging predicts outcomes after surgical therapies for patients with ischemic mitral regurgitation and left ventricular dysfunction. 2011 , 75, 148-56	14
1053	Discordance between the morphological and physiological information of 64-slice MSCT coronary angiography and myocardial perfusion imaging in patients with intermediate to high probability of coronary artery disease. 2011 , 75, 1670-7	5
1052	Validation of automated quantitation of myocardial perfusion and fatty acid metabolism abnormalities on SPECT images. 2011 , 75, 2187-95	22
1051	Mechanism of mitral regurgitation in the acute phase of inferior wall myocardial infarction: reduced closing force as a consequence of left ventricular systolic dysfunction in the presence of tethering as a determinant of mitral regurgitation. 2011 , 75, 619-25	5
1050	Myocardial Perfusion. 2011 , 111-124	
1049	Transesophageal echocardiography. 105-135	
1048	[Study of collimator broad correction in myocardial perfusion imaging]. 2011 , 67, 517-23	
1047	Ischemic Heart Disease. 2011 , 203-273	
1046	Evidence of diminished coronary flow in pulmonary hypertension: explaining angina pectoris in this patient group?. 2011 , 31, 477-84	1
1045	Fragmented QRS complexes are associated with cardiac fibrosis and significant intraventricular systolic dyssynchrony in nonischemic dilated cardiomyopathy patients with a narrow QRS interval. 2011 , 28, 62-8	84

1044	Contrast echocardiography improves interobserver agreement for wall motion score index and correlation with ejection fraction. 2011 , 28, 575-81	8
1043	The advantage of global strain compared to left ventricular ejection fraction to predict outcome after acute myocardial infarction. 2011 , 28, 556-63	22
1042	Serial ultrasound evaluation of intramyocardial strain after reperfused myocardial infarction reveals that remote zone dyssynchrony develops in concert with left ventricular remodeling. 2011 , 37, 1073-86	7
1041	Multiview fusion 3-D echocardiography: improving the information and quality of real-time 3-D echocardiography. 2011 , 37, 1056-72	31
1040	What is important is the truth. 2011 , 44, 58-9	2
1039	Consideration of QRS complex in addition to ST-segment abnormalities in the estimated "risk region" during acute anterior myocardial infarction. 2011 , 44, 370-6	16
1038	Comparison of epicardial potential maps derived from the 12-lead electrocardiograms with scintigraphic images during controlled myocardial ischemia. 2011 , 44, 707-12	12
1037	Scoring of late gadolinium enhancement in cardiac magnetic resonance imaging can predict cardiac events in patients with hypertrophic cardiomyopathy. 2011 , 58, 253-60	19
1036	Myocardial perfusion single photon computed tomography: An Atlas. 2011 , 23, 107-22	1
1035	[Impact of myocardial perfusion gated-SPECT on the decision to perform coronary angiography in patients with left ventricular dysfunction of ischemic origin]. 2011 , 30, 141-6	2
1034	Torsion of the human left ventricle: experimental analysis and computational modeling. 2011 , 107, 112-21	33
1033	Noninvasive computational imaging of cardiac electrophysiology for 3-D infarct. 2011 , 58, 1033-43	46
1032	An inter-landmark approach to 4-D shape extraction and interpretation: application to myocardial motion assessment in MRI. 2011 , 30, 52-68	22
1031	Physiological fusion of functional and structural images for cardiac deformation recovery. 2011 , 30, 990-1000	12
1030	Voxel-based adaptive spatio-temporal modelling of perfusion cardiovascular MRI. 2011 , 30, 1305-13	11
1029	Subclinical and clinical correlates of left ventricular wall motion abnormalities in the community. 2011 , 107, 949-55	6
1028	Comparison of quantity of left ventricular scarring and remodeling by magnetic resonance imaging in patients with versus without diabetes mellitus and with coronary artery disease. 2011 , 107, 1575-8	4
1027	Importance of diffuse atherosclerosis in the functional evaluation of coronary stenosis in the proximal-mid segment of a coronary artery by myocardial fractional flow reserve measurements. 2011 , 108, 483-90	24

1026	Effects of QRS duration and pacing location on pressure-volume loop evaluation of cardiac resynchronization therapy in end-stage heart failure. 2011 , 108, 1581-8	7
1025	Left ventricular twist mechanics in hypertrophic cardiomyopathy assessed by three-dimensional speckle tracking echocardiography. 2011 , 108, 1788-95	35
1024	Three-dimensional echocardiography for the preoperative assessment of patients with left ventricular aneurysm. 2011 , 91, 113-21	29
1023	Would coronary collaterals to the infarct-related artery serve as a marker of viability in patients with prior myocardial infarction? A study with trimetazidine-(99m)Tc-sestamibi imaging. 2011 , 12, 41-6	1
1022	Contrast-enhancement cardiac magnetic resonance imaging beyond the scope of viability. 2011 , 19, 236-45	5
1021	Exercise related ventricular arrhythmias are related to cardiac fibrosis in hypertrophic cardiomyopathy mutation carriers. 2011 , 19, 168-174	10
1020	Myocardial perfusion imaging using adenosine-induced stress dual-energy computed tomography of the heart: comparison with cardiac magnetic resonance imaging and conventional coronary angiography. 2011 , 21, 26-35	136
1019	Functional cardiac MR imaging with true fast imaging with steady-state free precession before and after intravenous injection of contrast medium: comparison of image quality and accuracy. 2011 , 21, 702-11	8
1018	Delayed enhancement imaging of myocardial viability: low-dose high-pitch CT versus MRI. 2011 , 21, 2091-9	41
1017	Association of imaging markers of myocardial fibrosis with metabolic and functional disturbances in early diabetic cardiomyopathy. 2011 , 4, 693-702	95
1016	White blood cell subtypes after STEMI: temporal evolution, association with cardiovascular magnetic resonancederived infarct size and impact on outcome. 2011 , 34, 73-84	34
1015	Prediction of long-term reverse left ventricular remodeling after revascularization or medical treatment in patients with ischemic cardiomyopathy: a comparative study between SPECT and MRI. 2011 , 27, 343-53	9
1014	Evaluation of longitudinal and radial left ventricular function by two-dimensional speckle-tracking echocardiography in a large cohort of normal probands. 2011 , 27, 515-26	38
1013	Myocardial scar extent evaluated by cardiac magnetic resonance imaging in ICD patients: relationship to spontaneous VT during long-term follow-up. 2011 , 27, 893-900	10
1012	Combining cardiac magnetic resonance and computed tomography coronary calcium scoring: added value for the assessment of morphological coronary disease?. 2011 , 27, 969-77	6
1011	Prognostic value of combined magnetic resonance myocardial perfusion imaging and late gadolinium enhancement. 2011 , 27, 705-14	18
1010	Incremental value of dual-energy CT to coronary CT angiography for the detection of significant coronary stenosis: comparison with quantitative coronary angiography and single photon emission computed tomography. 2011 , 27, 647-56	66
1009	Influence of small caliber coronary arteries on the diagnostic accuracy of adenosine stress cardiac magnetic resonance imaging. 2011 , 100, 201-8	8

100	Presence of endothelial colony-forming cells is associated with reduced microvascular obstruction limiting infarct size and left ventricular remodelling in patients with acute myocardial infarction. 2011, 106, 1397-410	35
100	Fusion of color Doppler and magnetic resonance images of the heart. 2011 , 24, 1024-30	10
100	123I-MIBG imaging detects cardiac involvement and predicts cardiac events in Churg-Strauss syndrome. 2011 , 38, 221-9	9
100	Optimal left ventricular lead position assessed with phase analysis on gated myocardial perfusion SPECT. 2011 , 38, 230-8	82
100	Washout of âlīRb as a marker of impaired tissue integrity, obtained by list-mode cardiac PET/CT: relationship with perfusion/metabolism patterns of myocardial viability. 2011 , 38, 1507-15	4
100	3 「論日-Fluoro-2-deoxyglucose positron emission tomography in cardiac sarcoidosis. 2011 , 38, 1773-83	104
100	2 Arterial supply of the posterior interventricular sulcus: a CT coronary angiographic study. 2011 , 33, 27-34	11
100	Usefulness of gated SPECT myocardial imaging in evaluation of patients with inferior myocardial infarction. 2011 , 25, 494-500	1
100	Labor- und EKG-Parameter als Präiktoren fädie Grä und Transmuralitäeiner myokardialen Narbe. 2011 , 5, 286-290	
999	Tetrofosmin early time gated post-stress single-photon emission computed tomography imaging: feasibility and potential benefits. 2011 , 18, 62-72	8
998	The role of myocardial perfusion imaging in evaluating patients with myocardial bridging. 2011 , 18, 117-22	16
997	Effect of caffeine on SPECT myocardial perfusion imaging during regadenoson pharmacologic stress: rationale and design of a prospective, randomized, multicenter study. 2011 , 18, 73-81	14
996	Non-contrast cardiac computed tomography can accurately detect chronic myocardial infarction: Validation study. 2011 , 18, 96-103	13
995	Motion frozen (18)F-FDG cardiac PET. 2011 , 18, 259-66	34
994	Interrelationship between myocardial perfusion imaging, coronary calcium score, and endothelial function in asymptomatic diabetics and controls. 2011 , 18, 398-406	10
993	Altered myocardial glucose utilization and the reverse mismatch pattern on rubidium-82 perfusion/F-18-FDG PET during the sub-acute phase following reperfusion of acute anterior myocardial infarction. 2011 , 18, 657-67	12
992	Three-dimensional contrast-enhanced and non-contrast-enhanced cardiac magnetic resonance imaging for the assessment of myocardial ischemic reactions: the practice of looking deeply into the myocardium. 2011 , 18, 937-51	
991	Stress-only or stress/rest myocardial perfusion imaging in patients undergoing evaluation for bariatric surgery. 2011 , 18, 886-92	20

990	The art of communicating: The Nuclear Cardiology Report. 2011 , 18, 833-5	3
989	Imaging of Cardiac Function by Computed Tomography. 2011 , 4, 447-456	
988	Detection of prolonged regional myocardial systolic dysfunction after exercise-induced myocardial ischemia by strain echocardiography with high frame rate tissue Doppler echocardiography. 2011 , 9, 90-6	2
987	How should we measure global and regional left ventricular systolic function?. 2011 , 9, 41-50	2
986	"ECG variability contour" method reveals amplitude changes in both ischemic patients and normal subjects during Dipyridamole stress: a preliminary report. 2011 , 49, 1311-20	
985	Anatomical and functional evaluation of the myocardium in patients with acute coronary syndrome (NSTEMI) using MR imaging. 2011 , 116, 163-77	2
984	Automatic cardiac ventricle segmentation in MR images: a validation study. 2011, 6, 573-81	52
983	Volume Tracking: A new method for quantitative assessment and visualization of intracardiac blood flow from three-dimensional, time-resolved, three-component magnetic resonance velocity mapping. 2011 , 11, 10	23
982	Echocardiographic predictors of early in-hospital heart failure during first ST-elevation acute myocardial infarction: does myocardial performance index and left atrial volume improve diagnosis over conventional parameters of left ventricular function?. 2011 , 9, 17	8
981	Prevalence and prognosis of myocardial scar in patients with known or suspected coronary artery disease and normal wall motion. 2011 , 13, 2	21
980	Cardiovascular magnetic resonance findings in repaired anomalous left coronary artery to pulmonary artery connection (ALCAPA). 2011 , 13, 27	42
979	Cardiac resynchronization therapy guided by late gadolinium-enhancement cardiovascular magnetic resonance. 2011 , 13, 29	156
978	Late gadolinium enhanced cardiovascular magnetic resonance of lamin A/C gene mutation related dilated cardiomyopathy. 2011 , 13, 30	69
977	Value of scar imaging and inotropic reserve combination for the prediction of segmental and global left ventricular functional recovery after revascularisation. 2011 , 13, 35	25
976	Strong cardiovascular prognostic implication of quantitative left atrial contractile function assessed by cardiac magnetic resonance imaging in patients with chronic hypertension. 2011 , 13, 42	55
975	The role of dobutamine stress cardiovascular magnetic resonance in the clinical management of patients with suspected and known coronary artery disease. 2011 , 13, 46	17
974	Prevalence of scarred and dysfunctional myocardium in patients with heart failure of ischaemic origin: a cardiovascular magnetic resonance study. 2011 , 13, 53	12
973	Cardiovascular magnetic resonance myocardial feature tracking detects quantitative wall motion during dobutamine stress. 2011 , 13, 58	106

(2011-2011)

972	A multicenter, prospective, randomized, controlled trial evaluating the safety and efficacy of intracoronary cell infusion mobilized with granulocyte colony-stimulating factor and darbepoetin after acute myocardial infarction: study design and rationale of the 'MAGIC cell-5-combination	8
971	cytokine trial'. 2011 , 12, 33 Papillary muscle involvement in myocardial infarction: initial results using multicontrast late-enhancement MRI. 2011 , 33, 211-6	12
970	Correction of left ventricular wall thickening from short-axis cine MRI for basal-descent through-plane motion. 2011 , 33, 464-73	7
969	Automated regional wall motion abnormality detection by combining rest and stress cardiac MRI: correlation with contrast-enhanced MRI. 2011 , 34, 270-8	7
968	Magnetic resonance tissue phase mapping: analysis of age-related and pathologically altered left ventricular radial and long-axis dyssynchrony. 2011 , 34, 518-25	15
967	Accelerated cardiac T2 mapping using breath-hold multiecho fast spin-echo pulse sequence with k-t FOCUSS. 2011 , 65, 1661-9	60
966	Unsupervised 4D myocardium segmentation with a Markov Random Field based deformable model. 2011 , 15, 283-301	42
965	Three-dimensional analysis of regional left ventricular endocardial curvature from cardiac magnetic resonance images. 2011 , 29, 516-24	13
964	Cardiac magnetic resonance imaging: infarct size is an independent predictor of mortality in patients with coronary artery disease. 2011 , 29, 50-6	54
963	Validation of minimal luminal area measured by intravascular ultrasound for assessment of functionally significant coronary stenosis comparison with myocardial perfusion imaging. 2011 , 4, 665-71	27
962	Left ventricular border tracking using cardiac motion models and optical flow. 2011 , 37, 605-16	26
961	Three-dimensional cardiac strain imaging in healthy children using RF-data. 2011 , 37, 1399-408	37
960	Diverse patterns of myocardial fibrosis in lifelong, veteran endurance athletes. 2011 , 110, 1622-6	194
959	Deferasirox, deferiprone and desferrioxamine treatment in thalassemia major patients: cardiac iron and function comparison determined by quantitative magnetic resonance imaging. 2011 , 96, 41-7	105
958	Echocardiographic assessment of regional left ventricular wall motion abnormalities in patients with tako-tsubo cardiomyopathy: comparison with anterior myocardial infarction. 2011 , 12, 542-9	54
957	Diagnostic performance of combined noninvasive coronary angiography and myocardial perfusion imaging using 320-MDCT: the CT angiography and perfusion methods of the CORE320 multicenter multinational diagnostic study. 2011 , 197, 829-37	101
956	Acute myocarditis: diagnostic value of contrast-enhanced cine steady-state free precession MRI sequences. 2011 , 197, 1081-7	13
955	Inter-observer variability assessment of a left ventricle segmentation tool applied to 4D MDCT images of the heart. 2011 , 2011, 3411-4	4

954	Myocardial fibrosis in isolated left ventricular non-compaction and its relation to disease severity. 2011 , 13, 170-6		116
953	Automatic Quantification of Myocardial Infarction from Delayed Enhancement MRI. 2011,		7
952	Development of an interactive Coronary Doppler Vibrometry system for detection of coronary artery disease. 2011 , 2011, 7195-8		2
951	Prediction of short-term cardiovascular events using quantification of global myocardial flow reserve in patients referred for clinical 82Rb PET perfusion imaging. 2011 , 52, 726-32		172
950	Structural abnormalities of the coronary arterial wallin addition to luminal narrowingaffect myocardial blood flow reserve. 2011 , 52, 1704-12		31
949	Rapid detection of coronary artery stenoses with real-time perfusion echocardiography during regadenoson stress. 2011 , 4, 628-35		29
948	Detection of hemodynamically significant coronary artery stenosis: incremental diagnostic value of dynamic CT-based myocardial perfusion imaging. 2011 , 260, 689-98		216
947	Improved cardiac risk assessment with noninvasive measures of coronary flow reserve. <i>Circulation</i> , 2011 , 124, 2215-24	16.7	514
946	Intramyocardial bone marrow-derived mononuclear cell injection for chronic myocardial ischemia: the effect on diastolic function. 2011 , 4, 122-9		15
945	Acute, subacute, and chronic myocardial infarction: quantitative comparison of 2D and 3D late gadolinium enhancement MR imaging. 2011 , 259, 704-11		57
944	Statistical Fusion of Continuous Labels: Identification of Cardiac Landmarks. 2011 , 7962,		7
943	Prognostic value of routine cardiac magnetic resonance assessment of left ventricular ejection fraction and myocardial damage: an international, multicenter study. 2011 , 4, 610-9		94
942	On T2* magnetic resonance and cardiac iron. <i>Circulation</i> , 2011 , 123, 1519-28	16.7	312
941	Influence of adenosine on ventricular function measurements as part of a comprehensive stress perfusion magnetic resonance imaging study. 2011 , 52, 624-31		1
940	MRI-Guided ventricular tachycardia ablation: integration of late gadolinium-enhanced 3D scar in patients with implantable cardioverter-defibrillators. 2011 , 4, 172-84		151
939	Incremental prognostic significance of combined cardiac magnetic resonance imaging, adenosine stress perfusion, delayed enhancement, and left ventricular function over preimaging information for the prediction of adverse events. <i>Circulation</i> , 2011 , 123, 1509-18	16.7	85
938	Cardiac iron and cardiac disease in males and females with transfusion-dependent thalassemia major: a T2* magnetic resonance imaging study. 2011 , 96, 515-20		80
937	Relationship between location and size of myocardial infarction and their reciprocal influences on post-infarction left ventricular remodelling. 2011 , 32, 1640-8		91

936	Improved detection of subendocardial hyperenhancement in myocardial infarction using dark blood-pool delayed enhancement MRI. 2011 , 196, 339-48	26
935	Left ventricular systolic and diastolic function improve after acute myocardial infarction treated with acute percutaneous coronary intervention, but are not influenced by intracoronary injection of autologous mononuclear bone marrow cells: a 3 year serial echocardiographic sub-study of the	70
934	Global longitudinal strain by speckle tracking for infarct size estimation. 2011 , 12, 156-65	44
933	Can strain rate imaging predict recovery of contraction after acute myocardial infarction?. 2011 , 12, 364-71	8
932	Postsystolic shortening is a strong predictor of recovery of systolic function in patients with non-ST-elevation myocardial infarction. 2011 , 12, 483-9	32
931	Long-term prognostic value of dipyridamole stress myocardial contrast echocardiography. 2011 , 12, 762-6	19
930	Myocardial function may improve equally in diabetic patients following both multivessel percutaneous coronary intervention and coronary artery bypass grafting: results from a CARDia trial substudy. 2011 , 12, 904-9	1
929	Impaired myocardial perfusion reserve and fibrosis in Friedreich ataxia: a mitochondrial cardiomyopathy with metabolic syndrome. 2011 , 32, 561-7	59
928	A patient-specific visualization tool for comprehensive analysis of coronary CTA and perfusion MRI data. 2011 ,	1
927	Cardiac hybrid imaging. 2011 , 32, 2100-8	73
927 926	Cardiac hybrid imaging. 2011, 32, 2100-8 Myocardial perfusion imaging after coronary artery bypass surgery using cardiovascular magnetic resonance: a validation study. 2011, 4, 312-8	73
	Myocardial perfusion imaging after coronary artery bypass surgery using cardiovascular magnetic	
926	Myocardial perfusion imaging after coronary artery bypass surgery using cardiovascular magnetic resonance: a validation study. 2011 , 4, 312-8 Echocardiographic speckle-tracking based strain imaging for rapid cardiovascular phenotyping in	10
926	Myocardial perfusion imaging after coronary artery bypass surgery using cardiovascular magnetic resonance: a validation study. 2011 , 4, 312-8 Echocardiographic speckle-tracking based strain imaging for rapid cardiovascular phenotyping in mice. 2011 , 108, 908-16 Relationship between central and peripheral atherosclerosis and left ventricular dysfunction in a	10
926 925 924	Myocardial perfusion imaging after coronary artery bypass surgery using cardiovascular magnetic resonance: a validation study. 2011, 4, 312-8 Echocardiographic speckle-tracking based strain imaging for rapid cardiovascular phenotyping in mice. 2011, 108, 908-16 Relationship between central and peripheral atherosclerosis and left ventricular dysfunction in a community population. 2011, 16, 253-9 Cardiac magnetic resonance imaging for noninvasive assessment of cardiovascular disease during	10 172 2
926 925 924 923	Myocardial perfusion imaging after coronary artery bypass surgery using cardiovascular magnetic resonance: a validation study. 2011, 4, 312-8 Echocardiographic speckle-tracking based strain imaging for rapid cardiovascular phenotyping in mice. 2011, 108, 908-16 Relationship between central and peripheral atherosclerosis and left ventricular dysfunction in a community population. 2011, 16, 253-9 Cardiac magnetic resonance imaging for noninvasive assessment of cardiovascular disease during the follow-up of patients with Kawasaki disease. 2011, 4, 712-20 Risk stratification for cardiac death in hemodialysis patients without obstructive coronary artery	10 172 2 46
926 925 924 923	Myocardial perfusion imaging after coronary artery bypass surgery using cardiovascular magnetic resonance: a validation study. 2011, 4, 312-8 Echocardiographic speckle-tracking based strain imaging for rapid cardiovascular phenotyping in mice. 2011, 108, 908-16 Relationship between central and peripheral atherosclerosis and left ventricular dysfunction in a community population. 2011, 16, 253-9 Cardiac magnetic resonance imaging for noninvasive assessment of cardiovascular disease during the follow-up of patients with Kawasaki disease. 2011, 4, 712-20 Risk stratification for cardiac death in hemodialysis patients without obstructive coronary artery disease. 2011, 79, 363-71 A new framework for automated identification of pathological tissues in contrast enhanced cardiac	10 172 2 46 14

918	Coexpression of VEGF and angiopoietin-1 promotes angiogenesis and cardiomyocyte proliferation reduces apoptosis in porcine myocardial infarction (MI) heart. 2011 , 108, 2064-9	132
917	Influence of the trigger technique on ventricular function measurements using 3-Tesla magnetic resonance imaging: comparison of ECG versus pulse wave triggering. 2011 , 52, 385-92	11
916	Myocardial Perfusion Analysis from Adenosine-Induced Stress MDCT. 2011 , 717-725	
915	Comparison between ultrafast and standard single-photon emission CT in patients with coronary artery disease: a pilot study. 2011 , 4, 51-8	56
914	Bright-blood T2-weighted MRI has higher diagnostic accuracy than dark-blood short tau inversion recovery MRI for detection of acute myocardial infarction and for assessment of the ischemic area at risk and myocardial salvage. 2011 , 4, 210-9	88
913	Adenosine stress high-pitch 128-slice dual-source myocardial computed tomography perfusion for imaging of reversible myocardial ischemia: comparison with magnetic resonance imaging. 2011 , 4, 540-9	130
912	Dual energy CT for the assessment of reperfused chronic infarction - a feasibility study in a porcine model. 2011 , 52, 834-9	18
911	Integrating volumetric biomedical data in the virtual physiological human. 2011,	
910	Acute chest pain investigation: utility of cardiac CT angiography in guiding troponin measurement. 2011 , 260, 381-9	16
909	Regional thicknesses and thickening of compacted and trabeculated myocardial layers of the normal left ventricle studied by cardiovascular magnetic resonance. 2011 , 4, 139-46	66
908	Delayed-enhancement MRI of apical hypertrophic cardiomyopathy: assessment of the intramural distribution and comparison with clinical symptoms, ventricular arrhythmias, and cine MRI. 2011 , 52, 613-8	10
907	Left ventricular systolic torsion correlates global cardiac performance during dyssynchrony and cardiac resynchronization therapy. 2011 , 300, H853-8	11
906	Impact of surgical ventricular restoration on ventricular shape, wall stress, and function in heart failure patients. 2011 , 300, H1653-60	43
905	Impaired global myocardial flow dynamics despite normal left ventricular function and regional perfusion in chronic kidney disease: a quantitative analysis of clinical 82Rb PET/CT studies. 2012 , 53, 887-93	24
904	Imaging study of ventricular scar in arrhythmogenic right ventricular cardiomyopathy: comparison of 3D standard electroanatomical voltage mapping and contrast-enhanced cardiac magnetic resonance. 2012 , 5, 91-100	117
903	Sports Cardiology. 2012 ,	
902	Murine cardiac images obtained with focusing pinhole SPECT are barely influenced by extra-cardiac activity. 2012 , 57, 717-32	5
901	Right ventricular regional wall curvedness and area strain in patients with repaired tetralogy of Fallot. 2012 , 302, H1306-16	46

900	Oral Eglucan reduces infarction size and improves regional contractile function in a porcine ischaemia/reperfusion model. 2012 , 41, 919-25		7
899	Transient ischemic dilation ratio in 82Rb PET myocardial perfusion imaging: normal values and significance as a diagnostic and prognostic marker. 2012 , 53, 723-30		27
898	Association between coronary vascular dysfunction and cardiac mortality in patients with and without diabetes mellitus. <i>Circulation</i> , 2012 , 126, 1858-68	.7	325
897	Management of early postoperative coronary artery bypass graft failure. 2012 , 14, 452-6		40
896	Gated-SPECT myocardial perfusion imaging and coronary calcium score for evaluation of patients with acute chest pain and a normal or nondiagnostic electrocardiogram. 2012 , 23, 438-44		6
895	Left and right ventricular diverticula: incidence and imaging findings on 256-slice multidetector computed tomography. 2012 , 27, 179-83		11
894	Pulmonary fibrosis in systemic sclerosis: association with myocardial fibrosis. 2012 , 27, 44-50		3
893	Computed tomography myocardial perfusion imaging with 320-row detector computed tomography accurately detects myocardial ischemia in patients with obstructive coronary artery disease. 2012 , 5, 333-40		133
892	Impact of myocardial scarring on outcomes of cardiac resynchronization therapy: extent or location?. 2012 , 53, 47-54		30
891	Evaluation of regional work from ECG-gated SPECT images through solution of equations of continuity for fluids-mechanical cardiac work calculated using thin wall model. 2012 , 33, 445-64		1
890	Accreditation in transoesophageal echocardiography in the UK: the initial experience. 2012 , 109, 487-90		6
889	Diagnostic performance of combined noninvasive anatomic and functional assessment with dual-source CT and adenosine-induced stress dual-energy CT for detection of significant coronary stenosis. 2012 , 198, 512-20		95
888	Adenosine-stress dynamic myocardial perfusion imaging with second-generation dual-source CT: comparison with conventional catheter coronary angiography and SPECT nuclear myocardial perfusion imaging. 2012 , 198, 521-9		110
887	Systolic myocardial dysfunction in patients with type 2 diabetes mellitus: identification at MR imaging with cine displacement encoding with stimulated echoes. 2012 , 265, 402-9		34
886	Five-year results of intracoronary infusion of the mobilized peripheral blood stem cells by granulocyte colony-stimulating factor in patients with myocardial infarction. 2012 , 33, 3062-9		30
885	Free-breathing MOLLI: application to myocardial T(1) mapping. 2012 , 39, 7291-302		8
884	CT of coronary heart disease: Part 2, Dual-phase MDCT evaluates late symptom recurrence in ST-segment elevation myocardial infarction patients after revascularization. 2012 , 198, 548-62		5
883	Integration of 3-dimensional scar models from SPECT to guide ventricular tachycardia ablation. 2012 , 53, 894-901		17

882	Intraindividual comparison of gadobutrol and gadopentetate dimeglumine for detection of myocardial late enhancement in cardiac MRI. 2012 , 198, 809-16	14
881	Systolic versus diastolic acquisition in myocardial perfusion MR imaging. 2012 , 262, 816-23	24
880	Cardiac MR imaging of nonischemic cardiomyopathies: imaging protocols and spectra of appearances. 2012 , 262, 403-22	45
879	CT Approaches for the Assessment of Myocardial Viability. 2012 , 173-184	
878	Point-guided modeling and segmentation of myocardium for low dose cardiac CT images. 2012 , 2012, 5327-30	1
877	Normal left ventricular myocardial thickness for middle-aged and older subjects with steady-state free precession cardiac magnetic resonance: the multi-ethnic study of atherosclerosis. 2012 , 5, 500-8	88
876	High-resolution versus standard-resolution cardiovascular MR myocardial perfusion imaging for the detection of coronary artery disease. 2012 , 5, 306-13	41
875	Aligning coronary anatomy and myocardial perfusion territories: an algorithm for the CORE320 multicenter study. 2012 , 5, 587-95	52
874	Cardiac magnetic resonance T2 mapping in the monitoring and follow-up of acute cardiac transplant rejection: a pilot study. 2012 , 5, 782-90	79
873	Extracellular volume imaging by magnetic resonance imaging provides insights into overt and sub-clinical myocardial pathology. 2012 , 33, 1268-78	406
872	Statistical Atlases and Computational Models of the Heart. Imaging and Modelling Challenges. 2012 ,	2
871	A new method for cardiac computed tomography regional function assessment: stretch quantifier for endocardial engraved zones (SQUEEZ). 2012 , 5, 243-50	45
870	Myocardial perfusion reserve assessed by T2-prepared steady-state free precession blood oxygen level-dependent magnetic resonance imaging in comparison to fractional flow reserve. 2012 , 5, 580-6	27
869	Pattern and degree of left ventricular remodeling following a tailored surgical approach for hypertrophic obstructive cardiomyopathy. 2012 , 2012, 9	8
868	Patients with syndrome X have normal transmural myocardial perfusion and oxygenation: a 3-T cardiovascular magnetic resonance imaging study. 2012 , 5, 194-200	38
867	Predictive values of Framingham risk and coronary artery calcium scores in the detection of obstructive CAD in patients with normal SPECT. 2012 , 63, 275-81	3
866	Comparative Analysis between SPECT Myocardial Perfusion Imaging and CT Coronary Angiography for Diagnosis of Coronary Artery Disease. 2012 , 2012, 253475	5

(2012-2012)

864	Correlation between left ventricular global and regional longitudinal systolic strain and impaired microcirculation in patients with acute myocardial infarction. 2012 , 29, 1181-90	25
863	Quantitative cardiovascular magnetic resonance perfusion imaging: inter-study reproducibility. 2012 , 13, 954-60	22
862	Cardiac hybrid imaging. 2012 , 13, 51-60	35
861	Use of real-time three-dimensional echocardiography to assess left ventricular systolic synchronization after dual-chamber pacing therapy. 2012 , 4, 928-932	
860	Additional cross-sectional transesophageal echocardiography views improve perioperative right heart assessment. 2012 , 117, 726-34	26
859	Diagnostic and prognostic value of gated myocardial perfusion single-photon emission computed tomography in low-risk patients with left bundle-branch block. 2012 , 33, 491-7	4
858	Accuracy of dynamic computed tomography adenosine stress myocardial perfusion imaging in estimating myocardial blood flow at various degrees of coronary artery stenosis using a porcine animal model. 2012 , 47, 71-7	72
857	Simultaneous assessment of myocardial scar and coronary arteries using navigator-gated 3-dimensional fat-suppressed delayed-enhancement MRI at 3.0 T: a technical feasibility study. 2012 , 36, 72-6	3
856	Quantitative three-dimensional evaluation of myocardial perfusion during regadenoson stress using multidetector computed tomography. 2012 , 36, 443-9	15
855	Magnetic resonance perfusion of the myocardium: semiquantitative and quantitative evaluation in comparison with coronary angiography and fractional flow reserve. 2012 , 47, 332-8	29
854	Combining dynamic and ECG-gated âlkb-PET for practical implementation in the clinic. 2012, 33, 4-13	1
853	Residual viability is a predictor of the perfusion enhancement obtained with the cell therapy of chronic myocardial infarction: a pilot multimodal imaging study. 2012 , 37, 738-42	19
852	[The examination of attenuation correction using one computed tomography scan in myocardial perfusion stress-rest single photon emission computed tomography]. 2012 , 68, 997-1005	3
851	Why Are We Interested in Myocardial Perfusion?. 2012 , 45-55	
850	Dynamic, Time-Resolved CT Imaging of Myocardial Perfusion: Dual-Source CT. 2012, 111-124	
849	Novel acute collateral flow index in patients with total coronary artery occlusion during ST-elevation myocardial infarction. 2012 , 76, 414-22	O
848	Prevalence and signal characteristics of late gadolinium enhancement on contrast-enhanced magnetic resonance imaging in patients with takotsubo cardiomyopathy. 2012 , 76, 914-21	45
847	Cardiovascular magnetic resonance and single-photon emission computed tomography for diagnosis of coronary heart disease (CE-MARC): a prospective trial. 2012 , 379, 453-60	746

846	Intraoperative changes in regional wall motion: can postoperative coronary artery bypass graft failure be predicted?. 2012 , 26, 371-5	5
845	A comprehensive cardiac motion estimation framework using both untagged and 3-D tagged MR images based on nonrigid registration. 2012 , 31, 1263-75	64
844	Human atlas of the cardiac fiber architecture: study on a healthy population. 2012 , 31, 1436-47	144
843	Computed tomography coronary angiography in patients with acute myocardial infarction without significant coronary stenosis. <i>Circulation</i> , 2012 , 126, 3000-7	42
842	Tethering symmetry reflects advanced left ventricular mechanical dyssynchrony in patients with ischemic mitral regurgitation undergoing restrictive mitral valve repair. 2012 , 94, 1418-28	12
841	Clinical significance of global two-dimensional strain as a surrogate parameter of myocardial fibrosis and cardiac events in patients with hypertrophic cardiomyopathy. 2012 , 13, 617-23	128
840	Accurate prediction of coronary artery disease using reliable diagnosis system. 2012 , 36, 3353-73	27
839	Impact of gender differences on myocardial salvage and post-ischaemic left ventricular remodelling after primary coronary angioplasty: new insights from cardiovascular magnetic resonance. 2012 , 13, 948-53	32
838	Une stratĝie combine coroscanner-scintigraphie myocardique peut permettre de rduire avec scurit le recours îla coronarographie chez les patients ayant un rsultat quivoque îlaun des tests. 2012 , 36, 663-673	
837	TNF-#myocardial perfusion and function in patients with ST-segment elevation myocardial infarction and primary percutaneous coronary intervention. 2012 , 101, 815-27	20
836	Infarct tissue characteristics of patients with versus without early revascularization for acute myocardial infarction: a contrast-enhancement cardiovascular magnetic resonance imaging study. 2012 , 27, 250-7	9
835	[Diagnostic work-up of coronary artery disease: Clinical value of different imaging methods]. 2012 , 37, 887-99; quiz 900-1	1
834	Comparison of three multichannel transmit/receive radiofrequency coil configurations for anatomic and functional cardiac MRI at 7.0T: implications for clinical imaging. 2012 , 22, 2211-20	61
833	Head-to-head comparison of contrast-enhanced cardiovascular magnetic resonance and lâlīthallium single photon emission computed tomography for prediction of reversible left ventricular dysfunction in chronic ischaemic heart disease. 2012 , 28, 1427-34	7
832	Regional functional recovery after acute myocardial infarction: a cardiac magnetic resonance long-term study. 2012 , 28, 1445-53	10
831	Comparison of magnetic resonance imaging findings in non-ST-segment elevation versus ST-segment elevation myocardial infarction patients undergoing early invasive intervention. 2012 , 28, 1487-97	18
830	Endocardial and epicardial myocardial perfusion determined by semi-quantitative and quantitative myocardial perfusion magnetic resonance. 2012 , 28, 1499-511	17
829	New automated Markov-Gibbs random field based framework for myocardial wall viability quantification on agent enhanced cardiac magnetic resonance images. 2012 , 28, 1683-98	9

(2012-2012)

828	Myocardial perfusion abnormality in the area of ventricular septum-free wall junction and cardiovascular events in nonobstructive hypertrophic cardiomyopathy. 2012 , 28, 1829-39	9
827	Combined anatomical and functional imaging using coronary CT angiography and myocardial perfusion SPECT in symptomatic adults with abnormal origin of a coronary artery. 2012 , 28, 1763-74	19
826	Quantification of myocardial perfusion reserve at 1.5 and 3.0 Tesla: a comparison to fractional flow reserve. 2012 , 28, 2049-56	26
825	Visceral abdominal fat accumulation predicts the progression of noncalcified coronary plaque. 2012 , 222, 524-9	39
824	Ontological labels for automated location of anatomical shape differences. 2012 , 45, 522-7	7
823	Etiological Diagnosis of Left Ventricular Dysfunction: Computed Tomography Compared With Coronary Angiography and Cardiac Magnetic Resonance. 2012 , 65, 517-524	O
822	Analysis of Post-infarction Salvaged Myocardium by Cardiac Magnetic Resonance. Predictors and Influence on Adverse Ventricular Remodeling. 2012 , 65, 634-641	
821	A Prominent R Wave in V1 but not in V2 Is a Specific Sign of a Large Lateral Transmural Infarction. 2012 , 65, 1101-1105	
820	Predictive value of left ventricular remodeling by area strain based on three-dimensional wall-motion tracking after PCI in patients with recent NSTEMI. 2012 , 38, 1491-501	6
819	New unipolar electrogram criteria to identify irreversibility of nonischemic left ventricular cardiomyopathy. 2012 , 60, 2194-204	58
818	Identification of viable myocardium in acute anterior infarction using duration of systolic lengthening by tissue Doppler strain: a preliminary study. 2012 , 25, 718-25	15
817	A prominent R wave in $V(1)$ but not in $V(2)$ is a specific sign of a large lateral transmural infarction. 2012 , 65, 1101-5	6
816	Geometric assessment of regional left ventricular remodeling by three-dimensional echocardiographic shape analysis correlates with left ventricular function. 2012 , 25, 80-8	21
815	Reproducibility of echocardiographic diagnosis of left ventricular noncompaction. 2012 , 25, 194-202	49
814	Echocardiographic diagnosis and prognosis of fetal left ventricular noncompaction. 2012, 25, 112-20	38
813	NT-proBNP predicts myocardial recovery after non-ST-elevation acute coronary syndrome. 2012 , 46, 65-71	2
812	Automated motion estimation for 2-D cine DENSE MRI. 2012 , 31, 1669-81	19
811	Improved detection of myocardial involvement in acute inflammatory cardiomyopathies using T2 mapping. 2012 , 5, 102-10	217

810	Impact of temporal resolution on LV myocardial regional strain assessment with real-time 3D ultrasound. 2012 , 2012, 4075-8		1
809	Effects of exercise training started within 2 weeks after acute myocardial infarction on myocardial perfusion and left ventricular function: a gated SPECT imaging study. 2012 , 19, 1410-9		36
808	Myocardial perfusion by CT versus hybrid imaging. 2012 , 30, 135-46		1
807	Right or left ventricular pacing in young minipigs with chronic atrioventricular block: long-term in vivo cardiac performance, morphology, electrophysiology, and cellular biology. <i>Circulation</i> , 2012 , 125, 2578-87	16.7	17
806	Etiological diagnosis of left ventricular dysfunction: computed tomography compared with coronary angiography and cardiac magnetic resonance. 2012 , 65, 517-24		7
805	Analysis of post-infarction salvaged myocardium by cardiac magnetic resonance. Predictors and influence on adverse ventricular remodeling. 2012 , 65, 634-41		13
804	New phenotype and pathology features in MYH7-related distal myopathy. 2012 , 22, 640-7		32
803	Regional and global ventricular systolic function in isolated ventricular non-compaction: pathophysiological insights from magnetic resonance imaging. 2012 , 158, 394-9		17
802	Combining magnetic resonance viability variables better predicts improvement of myocardial function prior to percutaneous coronary intervention. 2012 , 159, 192-7		39
801	MR-based analysis of regional cardiac function in relation to cellular integrity in Fabry disease. 2012 , 160, 53-8		13
800	Assessment of myocardial viability using multidetector computed tomography in patients with reperfused acute myocardial infarction. 2012 , 67, 754-65		2
799	The emerging role of cardiac computed tomography for the assessment of coronary perfusion: a systematic review and meta-analysis. 2012 , 28, 413-22		35
798	Fusion of MR coronary angiography and viability imaging: feasibility and clinical value for the assignment of myocardial infarctions. 2012 , 81, 71-6		2
797	Diagnostic performance of combined cardiac MRI for detection of coronary artery disease. 2012 , 81, 1782-9		10
796	Association of platelet-SDF-1 with hemodynamic function and infarct size using cardiac MR in patients with AMI. 2012 , 81, e486-90		29
795	Validation of a novel modified wall motion score for estimation of left ventricular ejection fraction in ischemic and non-ischemic cardiomyopathy. 2012 , 81, e923-8		2
794	Left ventricular noncompaction in patients with Dthalassemia: uncovering a previously unrecognized abnormality. 2012 , 87, 1079-83		19
793	Electrocardiographic image of myocardial ischemia: Real measurements and biophysical models. Part II. 2012 , 57, 668-675		1

792	Value of segmental myocardial strain by 2-dimensional strain echocardiography for assessment of scar area induced in a rat model of myocardial infarction. 2012 , 10, 17	11
791	Peak longitudinal strain most accurately reflects myocardial segmental viability following acute myocardial infarction - an experimental study in open-chest pigs. 2012 , 10, 23	16
790	No relationship between left ventricular radial wall motion and longitudinal velocity and the extent and severity of noncompaction cardiomyopathy. 2012 , 10, 9	4
789	Semi-automatic segmentation of myocardium at risk in T2-weighted cardiovascular magnetic resonance. 2012 , 14, 10	20
788	T1 mapping of the myocardium: intra-individual assessment of post-contrast T1 time evolution and extracellular volume fraction at 3T for Gd-DTPA and Gd-BOPTA. 2012 , 14, 26	88
787	T1 mapping of the myocardium: intra-individual assessment of the effect of field strength, cardiac cycle and variation by myocardial region. 2012 , 14, 27	128
786	Perfusion cardiovascular magnetic resonance: Comparison of an advanced, high-resolution and a standard sequence. 2012 , 14, 34	18
785	Evaluation of Valvular Heart Disease by Echocardiography. 2009 , 62-84	3
784	Left ventricle Hermite-based segmentation. 2017 , 87, 236-249	6
783	Stress-Only Adenosine CMR Improves Diagnostic Yield in Stable Symptomatic Patients With Coronary Artery Calcium. 2020 , 13, 1152-1160	3
782	OCT and CMR for the Diagnosis of Patients Presenting With MINOCA and Suspected Epicardial Causes. 2020 , 13, 2619-2631	23
781	Safety of regadenoson for vasodilation in cardiac MRI stress tests. 2020 , 62, 213-221	1
780	Cardiac sympathetic denervation in wild-type transthyretin amyloidosis. 2020 , 27, 237-243	4
779	Impact of computed tomography myocardial perfusion following computed tomography coronary angiography on downstream referral for invasive coronary angiography, revascularization and, outcome at 12 months. 2017 , 18, 969-977	18
778	Diagnostic Accuracy of Single-shot 2-Dimensional Multisegment Late Gadolinium Enhancement in Ischemic and Nonischemic Cardiomyopathy. 2020 , 35, 56-63	7
777	The Feasibility, Tolerability, Safety, and Accuracy of Low-radiation Dynamic Computed Tomography Myocardial Perfusion Imaging With Regadenoson Compared With Single-photon Emission Computed Tomography. 2021 , 36, 345-352	0
776	Pericarditis and myocarditis long after SARS-CoV-2 infection: a cross-sectional descriptive study in health-care workers.	15
775	Unmodified, autologous adipose-derived regenerative cells improve cardiac function, structure and revascularization in a porcine model of chronic myocardial infarction.	3

774	Systolic Time Interval Estimation Using Continuous Wave Radar With On-Body Antennas. 2018, 22, 129-139	17
773	3D Motion Estimation of Left Ventricular Dynamics Using MRI and Track-to-Track Fusion. 2020 , 8, 1800209	1
772	Longitudinal follow-up of patients with thalassaemia intermedia who started transfusion therapy in adulthood: a cohort study. 2020 , 191, 107-114	5
771	Quantitative analysis of hypertrophic myocardium using diffusion tensor magnetic resonance imaging. 2016 , 3, 046001	7
770	Randomized Trial Comparing the Effects of Ticagrelor Versus Clopidogrel on Myocardial Perfusion in Patients With Coronary Artery Disease. 2017 , 6,	7
769	Improved detection of cardiac sarcoidosis using magnetic resonance with myocardial T2 mapping. 2014 , 189, 109-12	97
768	Fibroblast growth factor-23 is associated with imaging markers of diabetic cardiomyopathy and anti-diabetic therapeutics. 2020 , 19, 158	7
767	Low septal to lateral wall F-FDG ratio is highly associated with mechanical dyssynchrony in non-ischemic CRT candidates. 2019 , 9, 105	1
766	Intraventricular synchronism assessment by gated-SPECT myocardial perfusion imaging in cardiac resynchronization therapy. Does cardiomyopathy type influence results?. 2020 , 10, 125	2
765	Simultaneous N-Ammonia and gadolinium first-pass myocardial perfusion with quantitative hybrid PET-MR imaging: a phantom and clinical feasibility study. 2019 , 3, 15	6
764	Assessment of apolipoprotein B/apolipoprotein A-I ratio in non-ST segment elevation acute coronary syndrome patients. 2020 , 72, 27	5
763	Role of deformation imaging in left ventricular non-compaction and hypertrophic cardiomyopathy: an Indian perspective. 2020 , 72, 6	1
762	Diagnostic contribution of cardiac magnetic resonance in patients with acute coronary syndrome and culprit-free angiograms. 2015 , 21, 171-80	13
761	Effect of Breviscapine on Recovery of Viable Myocardium and Left Ventricular Remodeling in Chronic Total Occlusion Patients After Revascularization: Rationale and Design for a Randomized Controlled Trial. 2018 , 24, 4602-4609	7
760	Guidelines for Cardiovascular Magnetic Resonance Imaging from the Korean Society of Cardiovascular Imaging (KOSCI) - Part 2: Interpretation of Cine, Flow, and Angiography Data. 2019 , 23, 316	2
759	Functional and morphological cardiac magnetic resonance imaging of mice using a cryogenic quadrature radiofrequency coil. 2012 , 7, e42383	31
758	Catheter-based intramyocardial delivery (NavX) of adenovirus achieves safe and accurate gene transfer in pigs. 2013 , 8, e53007	7
757	Diagnostic accuracy and clinical outcomes of ECG-gated, whole chest CT in the emergency department. 2013 , 8, e61121	1

(2008-2013)

756	Dynamic CT perfusion imaging of the myocardium: a technical note on improvement of image quality. 2013 , 8, e75263	17
755	Qualitative and quantitative assessment of adenosine triphosphate stress whole-heart dynamic myocardial perfusion imaging using 256-slice computed tomography. 2013 , 8, e83950	29
754	4D-analysis of left ventricular heart cycle using procrustes motion analysis. 2014 , 9, e86896	22
753	Prognostic value of dobutamine stress myocardial perfusion echocardiography in patients with known or suspected coronary artery disease and normal left ventricular function. 2017 , 12, e0172280	4
752	Intensive Statin Therapy in NSTE-ACS Patients Undergoing PCI: Clinical and Biochemical Effects. 2015 , 42, 528-36	8
751	Influence of Torso Model Complexity on the Noninvasive Localization of Ectopic Ventricular Activity. 2016 , 16, 96-102	10
750	Feasibility of physiologist-led stress echocardiography for the assessment of coronary artery disease. 2017 , 4, 29-36	5
749	Safety and efficacy of physiologist-led dobutamine stress echocardiography: experience from a tertiary cardiac centre. 2018 , 5, 105-112	3
748	The potential value of hybrid positron emission tomography/dual-source computed tomography imaging in coronary bypass surgery. 2011 , 14, E283-90	2
747	[Real-time 3-dimensional echocardiography: can there be one more dimension?]. 2007 , 148, 2451-60	1
746	The effectiveness of cardiac resynchronization therapy in patients with chronic heart failure of various origin depending on the structural myocardial injury in cardiac magnetic resonance imaging. 2019 , 22-32	2
745	Assessment of Cardiac Sympathetic Nerve Function Using 123I-meta-lodobenzylguanidine Scintigraphy. 2015 , 1, 27-34	11
744	Cardiac and Respiratory Motion-induced Artifact in Myocardial Perfusion SPECT. 2017, 3, 88-93	6
743	Intrinsic remote conditioning of the myocardium as a comprehensive cardiac response to ischemia and reperfusion. 2017 , 8, 67227-67240	3
742	Magnetic resonance imaging of cardiac sarcoidosis: an evaluation of the cardiac segments and layers that exhibit late gadolinium enhancement. 2016 , 78, 437-446	9
741	Left ventricular ischemia in pre-capillary pulmonary hypertension: a cardiovascular magnetic resonance study. 2020 , 10, 1280-1292	1
740	QMRTools: a Mathematica toolbox for quantitative MRI analysis 2019 , 4, 1204	10
739	Influence of coronary artery stenosis severity and coronary collateralization on extent of chronic myocardial scar: insights from quantitative coronary angiography and delayed-enhancement MRI. 2008 , 2, 79-86	9

738	Single-Breathhold Four-Dimensional Assessment of Left Ventricular Morphological and Functional Parameters by Magnetic Resonance Imaging Using the VAST Technique. 2011 , 5, 90-8	5
737	Myocardial T1 mapping for detection of left ventricular myocardial fibrosis in chronic aortic regurgitation: pilot study. 2006 , 187, W630-5	91
736	Feasibility of Stress-Alone Cardiac CT for Detecting Hemodynamically Significant Coronary Stenosis in the Presence of High Coronary Calcium Score and Coronary Stents. 2017 , 1, 38	1
735	Assessment of Myocardial Ischemia Using Stress Perfusion Cardiovascular Magnetic Resonance. 2018 , 2, 65	2
734	[Myocardial damage size assessment in the zone of infarction for indicating rescue percutaneous coronary intervention]. 2008 , 65, 61-3	2
733	Demographics and Clinical Characteristics of the Isolated Noncompaction of the Ventricular Myocardium. 2006 , 4, 117-122	2
732	Breast size and dose to cardiac substructures in adjuvant three-dimensional conformal radiotherapy compared to tangential intensity modulated radiotherapy. 2020 , 54, 470-479	2
731	Systematic review and modelling of the cost-effectiveness of cardiac magnetic resonance imaging compared with current existing testing pathways in ischaemic cardiomyopathy. 2014 , 18, 1-120	19
730	Outcome of resynchronization therapy on superficial and endocardial electrophysiological findings. 2018 , 67, S601-S610	3
729	Update of the Brazilian Guideline on Nuclear Cardiology - 2020. 2020 , 114, 325-429	4
728	[Effects of salvianolate on cardiomyocytes apoptosis and heart function in a swine model of acute myocardial infarction]. 2009 , 7, 140-4	4
727	Prediction of infarct severity from triiodothyronine levels in patients with ST-elevation myocardial infarction. 2014 , 29, 454-65	15
726	Fragmented QRS on surface electrocardiogram is not a reliable predictor of myocardial scar, angiographic coronary disease or long term adverse outcomes. 2014 , 4, 279-86	9
725	Short-Term Left Ventricular Remodeling After Revascularization in Subacute Total and Subtotal Occlusion With the Infarct-Related Left Anterior Descending Artery. 2011 , 2, 229-235	1
724	Horizontal Long Axis Imaging Plane for Evaluation of Right Ventricular Function on Cardiac Magnetic Resonance Imaging. 2016 , 6, 52	3
723	Comparative Performances of Dipyridamole and Regadenoson to Detect Myocardial Ischemia using Cardiac Cadmium-Zinc-Telluride Single-Photon Emission Computerized Tomography. 2018 , 8, 51	2
722	A New Pattern Recognition Method for Detection and Localization of Myocardial Infarction Using T-Wave Integral and Total Integral as Extracted Features from One Cycle of ECG Signal. 2014 , 07, 818-824	60
721	Regional Heterogeneity in 3D Myocardial Shortening in Hypertensive Left Ventricular Hypertrophy: A Cardiovascular CMR Tagging Substudy to the Life Study. 2015 , 8, 213-225	3

720	Myocardial Segmentation of Area at Risk Based on Coronary Computed Tomography Angiography and Voronoi Diagram in Comparison with Magnetic Resonance Perfusion Imaging. 2017 , 07, 9-22	2
719	Trimetazidine and Cellular Response in Cardiopulmonary Bypass*. 2013 , 03, 171-179	2
718	Effects of successful percutaneous coronary intervention of chronic total occlusions on myocardial perfusion and left ventricular function. 2017 , 13, 345-354	27
717	Coronary collaterals and myocardial viability in patients with chronic total occlusions. 2020 , 16, e453-e461	14
716	Retrograde approach to coronary chronic total occlusions: preliminary single European centre experience. 2007 , 3, 181-7	69
715	Value and limitations of electromechanical endocardial mapping in the assessment of global and regional left ventricular function and transmural extent of infarction: a comparison with cardiovascular magnetic resonance. 2010 , 6, 616-22	3
714	Diagnostic accuracy of cardiac computed tomography angiography for myocardial infarction. 2013 , 5, 295-303	8
713	Investigation of cardiomyopathy using cardiac magnetic resonance imaging part 1: Common phenotypes. 2012 , 4, 103-11	2
712	Investigation of cardiomyopathy using cardiac magnetic resonance imaging part 2: Rare phenotypes. 2012 , 4, 173-82	1
711	Global myocardial strain assessment by different imaging modalities to predict outcomes after ST-elevation myocardial infarction: A systematic review. 2015 , 7, 948-60	16
710		16 5
	ST-elevation myocardial infarction: A systematic review. 2015 , 7, 948-60 The relationship between coronary artery calcification and myocardial perfusion in asymptomatic	
710	ST-elevation myocardial infarction: A systematic review. 2015 , 7, 948-60 The relationship between coronary artery calcification and myocardial perfusion in asymptomatic women. 2012 , 32, 378-83 Relationship between reversibility score on corresponding left ventricular segments and fractional	5
710 709	ST-elevation myocardial infarction: A systematic review. 2015 , 7, 948-60 The relationship between coronary artery calcification and myocardial perfusion in asymptomatic women. 2012 , 32, 378-83 Relationship between reversibility score on corresponding left ventricular segments and fractional flow reserve in coronary artery disease. 2015 , 15, 469-74 Electrocardiographic findings in correlation to magnetic resonance imaging patterns in African	5
710 709 708	The relationship between coronary artery calcification and myocardial perfusion in asymptomatic women. 2012, 32, 378-83 Relationship between reversibility score on corresponding left ventricular segments and fractional flow reserve in coronary artery disease. 2015, 15, 469-74 Electrocardiographic findings in correlation to magnetic resonance imaging patterns in African patients with isolated ventricular noncompaction. 2015, 15, 550-5 Speckle tracking echocardiography derived systolic longitudinal strain is better than rest single photon emission tomography perfusion imaging for nonviable myocardium identification. 2013,	5 2 5
710 709 708 707	ST-elevation myocardial infarction: A systematic review. 2015, 7, 948-60 The relationship between coronary artery calcification and myocardial perfusion in asymptomatic women. 2012, 32, 378-83 Relationship between reversibility score on corresponding left ventricular segments and fractional flow reserve in coronary artery disease. 2015, 15, 469-74 Electrocardiographic findings in correlation to magnetic resonance imaging patterns in African patients with isolated ventricular noncompaction. 2015, 15, 550-5 Speckle tracking echocardiography derived systolic longitudinal strain is better than rest single photon emission tomography perfusion imaging for nonviable myocardium identification. 2013, 157, 12-21 Encouraging experience with intracardiac transplantation of unselected autologous bone marrow	5 2 5 6
710 709 708 707 706	The relationship between coronary artery calcification and myocardial perfusion in asymptomatic women. 2012, 32, 378-83 Relationship between reversibility score on corresponding left ventricular segments and fractional flow reserve in coronary artery disease. 2015, 15, 469-74 Electrocardiographic findings in correlation to magnetic resonance imaging patterns in African patients with isolated ventricular noncompaction. 2015, 15, 550-5 Speckle tracking echocardiography derived systolic longitudinal strain is better than rest single photon emission tomography perfusion imaging for nonviable myocardium identification. 2013, 157, 12-21 Encouraging experience with intracardiac transplantation of unselected autologous bone marrow cells concomitant with coronary artery bypass surgery after myocardial infarction. 2011, 17, 383-9 BNP was associated with ischemic myocardial scintigraphy and death in patients at chest pain unit.	5 2 5 6 3

702	Multimodality image fusion for diagnosing coronary artery disease. 2013, 27, 439-51	10
701	A retrospective study: cardiac MRI of fulminant myocarditis in children-can we evaluate the short-term outcomes?. 2016 , 4, e2750	7
700	CT Fractional Flow Reserve for the Diagnosis of Myocardial Bridging-Related Ischemia: A Study Using Dynamic CT Myocardial Perfusion Imaging as a Reference Standard. 2021 , 22, 1964-1973	2
699	Cardiac wall motion abnormalities.	
698	Global, segmental and layer specific analysis of myocardial involvement in Duchenne muscular dystrophy by cardiovascular magnetic resonance native T1 mapping. 2021 , 23, 110	
697	Mitral valve prolapse morphofunctional features by cardiovascular magnetic resonance: more than just a valvular disease. 2021 , 23, 107	2
696	Subclinical left ventricle impairment following breast cancer radiotherapy: Is there an association between segmental doses and segmental strain dysfunction?. 2021 , 345, 130-136	3
695	Long-Term Prognostic Value of Stress Cardiovascular Magnetic Resonance-Related Coronary Revascularization to Predict Death: A Large Registry With >200 000 Patient-Years of Follow-Up. 2021 , 14, e012789	O
694	Quantitative technetium pyrophosphate and cardiovascular magnetic resonance in patients with suspected cardiac amyloidosis. 2021 , 1	0
693	Stress Echocardiography Protocol for Deciding Type of Surgery in Ischemic Mitral Regurgitation: Predictors of Mitral Regurgitation Recurrence following CABG Alone. 2021 , 10,	
692	Dual-phase imaging of cardiac metabolism using hyperpolarized pyruvate. 2022 , 87, 302-311	1
691	Molecular imaging of myogenic stem/progenitor cells with [F]-FHBG PET/CT system in SCID mice model of post-infarction heart. 2021 , 11, 19825	1
690	An image processing tool for the detection of anthracycline-induced cardiotoxicity by evaluating the myocardial metabolic activity in [F]FDG PET/CT. 2021 , 17, 373	O
689	Asymptomatic myocardial dysfunction was revealed by feature tracking cardiac magnetic resonance imaging in patients with primary Sjgren's syndrome. 2021 , 24, 1482-1490	O
688	Cardiovascular outcomes in systemic sclerosis with abnormal cardiovascular MRI and serum cardiac biomarkers. 2021 , 7,	O
687	Insights on the left ventricular thrombus in patients with ischemic dilated cardiomyopathy. 2021 , 52,	O
686	Hybrid Cardiac Magnetic Resonance/Fluorodeoxyglucose Positron Emission Tomography to Differentiate Active From Chronic Cardiac Sarcoidosis. 2021 ,	2
685	Segmentation of the Left Ventricle. 2003 , 57-65	

684	An introduction to CMR for technologists. 2004 , 527-546
683	Dobutamine stress MR. 2004 , 169-179
682	Ventricular function parameters and mass measured by MRI: acquisition, postprocessing, and reference values. 2004 , 73-83
681	Klinik der koronaren Herzerkrankung III: Der Herzinfarkt im chronischen Stadium. 2004 , 531-554
680	Echokardiographie. 2004, 219-250
679	Autologous Mononuclear Bone Marrow Transplantation for Myocardial Infarction: The Spanish Experience. 2006 , 187-201
678	Diagnosis of Coronary Artery Disease. 2006 , 155-187
677	Prognostic Assessment by Noninvasive Imaging. Part a. Clinical Decision-making in Patients with Suspected or Known Coronary Artery Disease. 2006 , 189-208
676	Cardiac System. 2006 , 450-507
675	An Embedding Framework for Myocardial Velocity Processing with MRI. 2006 , 44-51
674	Ischemic Heart Disease: Stress and Vasodilator Testing. 2006 , 171-178
673	Ventricular Shape and Function. 2007 , 212-236
672	Echocardiographic Evaluation of Coronary Artery Disease. 2007 , 811-839
671	Analysis Of 4-D Cardiac Mr Data With Nurbs Deformable Models: Temporal Fitting Strategy And Nonrigid Registration. 2007 , 493-534
670	Monitoring Ventricular Function in the Operating Room: Impact on Clinical Outcome. 2007, 31-61
669	[Whole heart CT scanning for acute coronary syndrome: importance of delayed enhance findings for myocardium]. 2007 , 63, 709-16
668	[Identification of residual ischemia in the occluded coronary artery irrigation area using myocardial perfusion scintigraphy]. 2007 , 64, 783-6
667	Introduction to Echocardiography. 2007 , 93-136

666	Magnetic Resonance Imaging of the Myocardium. 2007 , 871-896	
665	Cardiovascular Magnetic Resonance Imaging. 2007 , 161-180	
664	Stress Echocardiography with Nonexercise Techniques: Principles, Protocols, Interpretation, and Clinical Applications. 2007 , 353-392	
663	[Diagnostic significance of myocardial perfusion scintigraphy in identification and localisation of culprit lesions in patients undergoing elective PTCA]. 2008 , 65, 158-62	O
662	Myocardial Infarction and Viability With an Emphasis on Imaging Delayed Enhancement. 2008, 351-375	
661	Myocardial Ischaemia. 196-220	
660	Stress Cine MRI. 2008 , 305-312	
659	Contractile analysis with kriging based on MR myocardial velocity imaging. 2008, 11, 892-9	1
658	Bayesian motion recovery framework for myocardial phase-contrast velocity MRI. 2008, 11, 79-86	2
657	13 Echocardiografie. 2008 , 127-133	
656	Assessment of Cardiac Function. 2008 , 1-10	
656 655	Assessment of Cardiac Function. 2008, 1-10 Pericardial/Myocardial Disease Processes. 2008, 1-8	
655	Pericardial/Myocardial Disease Processes. 2008 , 1-8	
655	Pericardial/Myocardial Disease Processes. 2008, 1-8 Pulse Sequence Basics, ECG Gating and MR Artifacts. 2008, 107-180	
655 654 653	Pericardial/Myocardial Disease Processes. 2008, 1-8 Pulse Sequence Basics, ECG Gating and MR Artifacts. 2008, 107-180 7 De systolische linkerventrikelfunctie. 2009, 63-75	
655 654 653	Pericardial/Myocardial Disease Processes. 2008, 1-8 Pulse Sequence Basics, ECG Gating and MR Artifacts. 2008, 107-180 7 De systolische linkerventrikelfunctie. 2009, 63-75 Cardiac Angiography. 2009, 106-125	

(2010-2009)

648	Echocardiography in intensive care. 2009 , 295-312	
647	Computation of Left Ventricular Motion Patterns Using a Normalized Parametric Domain. 2009, 135-147	
646	Clinical Echocardiography. 2009, 313-324	
645	Cardiac and Coronary Artery Anatomy and Physiology. 2009 , 89-106	
644	Studio con mezzo di contrasto: perfusione e delayed enhancement. 2010 , 53-64	
643	Comparative Use of Radionuclide Stress Testing, Coronary Artery Calcium Scanning, and Noninvasive Coronary Angiography for Diagnostic and Prognostic Cardiac Assessment. 2010 , 233-254	
642	Ischemic Heart Disease. 2010, 387-438	
641	Wall Motion Stress Magnetic Resonance. 2010 , 223-239	
640	The Left Ventricle. 2010 , 122-147	
639	Echocardiography and Detection of Coronary Artery Disease. 2010 , 225-248	
638	Quantitative Cardiac SPECT Imaging. 2010 , 311-331	
637	Studio funzionale: sequenze cine e velocity-encoded. 2010 , 39-51	
636	How Much Geometrical Detail Do We Need in Cardiac Electrophysiological Imaging? A Generic Heart-Torso Representation for Fast Subject-Specific Customization. 2010 , 232-241	
635	Pericardial/Myocardial Disease Processes. 2010 , 153-158	
634	Systematic Analysis of Cardiac CT. 2010 , 26-37	
633	Bildgebende Verfahren in der Ergometrie (MRT). 2010 , 109-120	
632	Assessment of Cardiac Structure and Function by Computed Tomography Angiography. 2010 , 127-145	
631	Anatomia cardiaca e piani di studio. 2010 , 19-29	

630	Nuclear Imaging and Multi-detector Computed Tomography to Assess Viability. 2010 , 341-356
629	Three Dimensional Echocardiographic Evaluation of LV Dyssynchrony and Stress Testing. 2010 , 63-80
628	Coronary CT Angiography: Normal Anatomy. 2010 , 38-49
627	Magnetic Resonance for Functional Testing and Interventional Guidance. 178-194
626	Diagnostic accuracy of combined dipyridamole stress perfusion and delayed enhancement cardiovascular magnetic resonance imaging for detection of coronary artery disease. 2010 , 4, 19-25
625	Stress Echocardiography Examination. 2010 , 26-36
624	Stress Echocardiography for Functional Assessment of Coronary Artery Disease. 284-290
623	MRI for Functional Assessment of Coronary Artery Disease. 291-300
622	Segmental color Doppler myocardial imaging derived pre-ejection velocities are not clinically useful in the assessment of post-infarction scar transmurality. 2010 , 154, 251-6
621	An Open-Source Medical Image Processing and Visualization Tool to Analyze Cardiac SPECT Images. 2011 , 659-668
620	Dynamic Classification of Cellular Transmural TransMembrane Potential (TMP) Activity of the Heart. 2011 , 36-46
619	Predictors of heart failure in patients treated with primary PCI for acute myocardial infarction: Short term 30-days follow-up. 2011 , 30, 27-34
618	Systolic Left Ventricular Function. 2011 , 101-123
617	Development of Echocardiography and How to Use Transthoracic Echocardiography for Anesthesiologists. 2011 , 31, 745-754
616	LâBcocardiografia nellâBtleta. 2011 , 29-67
615	Echocardiography in Acute Coronary Syndromes. 2011 , 129-147
614	Traitement d'image en scanner cardiaque. 2011 , 51-78
613	Diagnostic de la maladie coronaire. 2011 , 115-123

(2012-2011)

612	In Silico Analysis of the Impact of Transmural Myocardial Infarction on Cardiac Mechanical Dynamics for the 17 AHA Segments. 2011 , 241-249	
611	Cardiac Function Imaging for the Chest Radiologist: Computed Tomography. 2011 , 142-150	
610	IRM et TDM au d'cours de l'infarctus du myocarde. 2011 , 125-138	
609	An Automated Segmentation and Classification Framework for CT-Based Myocardial Perfusion Imaging for Detecting Myocardial Perfusion Defect. 2011 , 206-214	
608	Cardiac dyssynchrony. 2011 , 83-100	
607	Cardiovascular Imaging. 2011 , 16-32	
606	Transthoracic and Transesophageal Echocardiography. 283-292	
605	How many systolic and diastolic variables must be measured in elderly patients with symptoms of heart failure?. 2012 , 02, 102-109	
604	Echocardiography in Athletes. 2012 , 31-70	
603	Nuclear Cardiology. 2012 , 293-339	
602	Echocardiographic Assessment of the Left Ventricle. 2012 , 173-199	
601	Echocardiography in Myocardial Reperfusion Injury. 2012 , 135-159	
600	Epicardial Adipose Tissue Measured by Multidetector Computed Tomography: Practical Tips and Clinical Implications. 2012 , 955-972	
599	Regional heart motion abnormality detection via multiview fusion. 2012 , 15, 527-34	3
598	The Anatomical Basis of the ECG: From Macroscopic Anatomy to Ultrastructural Characteristics. 23-33	
597	Utility and Limitations of the Surface ECG: Present and Future. 16-21	
596	Interpretation and Reporting of SPECT Myocardial Perfusion Imaging. 2013, 151-158	
595	MRI of Myocardial Deformations. 2012 , 1-38	

594	Cardiac Imaging. 296-344
593	Myocardial perfusion imaging in patients with a recent, normal exercise test. 2013 , 5, 54-9
592	Transesophageal Echocardiography in the Intensive Care Unit. 2013 , 1, 4-15
591	Comparison of 5-Year Outcomes for Patients With Coronary Artery Disease in Groups With and Without Revascularization With Different Results of Stress Echocardiography. 2013 , 4, 152-158
590	The Normal Heart. 2013 , 11-26
589	A Near-Incompressible Poly-affine Motion Model for Cardiac Function Analysis. 2013 , 288-297 3
588	Delayed Enhancement Magnetic Resonance Imaging Findings in Cardiac Amyloidosis. 2013, 17, 33
587	Anatomy. 2014 , 13-28
586	Generalized Step Criterion Edge Detectors for Kalman Filter Based Left Ventricle Tracking in 3D+T Echocardiography. 2013 , 261-269
585	Ventricles. 57-78
584	ECHOCARDIOGRAPHY IN RIGHT VENTRICULAR MYOCARDIAL INFARCTION. 2013, 12, 58-62
583	Nuclear Cardiology and Exercise Stress Testing. 2014 , 133-152
582	Functional Evaluation of the Heart by Transesophageal Echocardiography. 2014 , 121-144
581	Practice Test #2: Difficulty LevelâModerate. 2014 , 79-155
580	Echocardiographic Assessment of Cardiac Disease. 2014 , 375-397
579	Coronary artery disease and regional left ventricular function. 2013 , 135-141
578	Cardiac MRI Examination: An Overview. 2014 , 23-53
577	Mathematical Models of Cardiac Cells Arrangements: The Bidomain Model. 2014 , 77-122

576	Simulation Studies of Cardiac Bioelectrical Activity. 2014 , 249-360	
575	Anisotropic Cardiac Sources. 2014 , 149-173	
574	Assessment of myocardial infarction by cardiac magnetic resonance imaging and long-term mortality. 2015 , 104, 159-68	2
573	Renal. 2014 , 455-604	
572	First-pass Stress Perfusion MR Imaging Findings of Apical Hypertrophic Cardiomyopathy: with Relation to LV Wall Thickness and Late Gadolinium-enhancement. 2014 , 18, 7	
571	Image-Based Estimation of Myocardial Acceleration Using TDFFD: A Phantom Study. 2014 , 262-270	
570	Reduced Macroscopic Models: The Monodomain and Eikonal Models. 2014 , 123-148	
569	Basic Cardiac Anatomy and Electrocardiology. 2014 , 1-19	
568	Hierarchical multiple-model Bayesian approach to transmural electrophysiological imaging. 2014 , 17, 538-45	2
567	Herz. 2014 , 73-129	
)0/		
566	MRI of the Cardiovascular System. 2014 , 115-137	
		1
566	MRI of the Cardiovascular System. 2014 , 115-137	1
566	MRI of the Cardiovascular System. 2014 , 115-137 Parallel Solvers for the Bidomain System. 2014 , 207-248	1
566 565 564	MRI of the Cardiovascular System. 2014 , 115-137 Parallel Solvers for the Bidomain System. 2014 , 207-248 Numerical Methods for the Bidomain and Reduced Models. 2014 , 191-206	1
566 565 564 563	MRI of the Cardiovascular System. 2014, 115-137 Parallel Solvers for the Bidomain System. 2014, 207-248 Numerical Methods for the Bidomain and Reduced Models. 2014, 191-206 The Inverse Problem of Electrocardiology. 2014, 175-190	1
566 565 564 563	MRI of the Cardiovascular System. 2014, 115-137 Parallel Solvers for the Bidomain System. 2014, 207-248 Numerical Methods for the Bidomain and Reduced Models. 2014, 191-206 The Inverse Problem of Electrocardiology. 2014, 175-190 Mathematical Models of Cellular Bioelectrical Activity. 2014, 21-75	1

558	Standardized Myocardial Segmentation of the Left Ventricle. 2015 , 105-119	1
557	Correct anatomical orientation of the heart and reflections on the nomenclature used in daily practice. 2015 , 104, e34-6	
556	Ischemic Heart Disease. 2015 , 371-410	
555	Critical Care Echocardiography: Acute Left Ventricular and Valvular Dysfunction. 2015 , 77-121	
554	De systolische linkerventrikelfunctie. 2015 , 97-113	
553	CT Imaging of Coronary Arteries. 2015 , 29-60	
552	Electrocardiographic findings in correlation to cardiac magnetic resonance imaging patterns for isolated ventricular non-compaction patients. 2015 , 15, 556-7	О
551	- Segmenting with Shape and Appearance Priors. 2015 , 218-229	
550	Magnetic Resonance quantification of myocardial perfusion reserve using Fermi function model: comparison to visual qualification. 2016 , 105-110	
549	4DCT????????3D?????????. 2016 , 24, 223-229	
548	MRI Report. 2016 , 159-163	
547	Differences in Perfusion between Pharmacological Stress and Exercise Stress on Prone Myocardial SPECT. 2016 , 2, 44-49	
546	Beyond the AHA 17-Segment Model: Motion-Driven Parcellation of the Left Ventricle. 2016 , 13-20	2
545	The randomised Complete versus Lesion-only PRimary percutaneous coronary Intervention Trial: Cardiovascular Magnetic Resonance imaging substudy (CvLPRIT-CMR). 2016 , 3, 1-72	1
544	Cardiac PET Quality Improvement. 2016 , 217-230	
543	Two methods for increasing sensitivity of dobutamine stress echocardiography: strain imaging and heart-type fatty acid-binding protein levels. 2016 , 16, 210-1	
542	Cardiac imaging planes.	
541	Normal Anatomy and Flow. 2016 , 95-125	

540	The Potential of Late Gadolinium Enhancement to Serve as a Predictor of Ventricular Arrhythmias in Hypertrophic Cardio-myopathy Patients. 2016 , 8, 1-11	
539	Technical Considerations for MIBG Cardiac Scintigraphy. 2017 , 219-230	
538	[Myocardial regional thickness in patients with and without cardiomyopathy assessed by cardiac magnetic resonance]. 2016 , 86, 305-312	
537	Cardiac magnetic resonance perfusion imaging in detection of coronary artery disease. 2016 , 11, 457-457	
536	Single Photon Emission Computed Tomography. 2017 , 71-79	
535	Medical Imaging Informatics in Nuclear Medicine. 2017 , 241-267	1
534	The Cardiovascular System and the Coronary Circulation. 2017 , 13-59	1
533	Correlation of Electrocardiographic Changes with Cardiac Magnetic Resonance Findings in Patients with Hypertrophic Cardiomyopathy. 2018 , 110, 52-59	
532	Stress Dual-Energy Computed Tomography-Myocardial Perfusion Imaging to Identify Coronary Artery Stenoses Causing Ischemia: A Direct Comparison between Invasive Coronary Angiography and Cardiac Magnetic Resonance-Myocardial Perfusion Imaging. 2017 , 1, 99	0
531	Assessment of Left Ventricular Function with Single Breath-Hold Magnetic Resonance Cine Imaging in Patients with Arrhythmia. 2017 , 21, 20	2
530	Myocardial Contrast and Stress Echocardiography: New Frontiers. 2017, 3, 001-010	
529	Can we predict coronary stenosis localization using regional strain analysis in non-ST elevation acute coronary syndrome?. 2017 , 12, 117-118	
528	Comparison of regional 2D strain analysis to visual wall motion abnormality assessment in patients with non-ST elevation acute coronary syndrome. 2017 , 12, 119-120	1
527	Myocardial Function and Viability. 2018 , 303-324	
526	Multimodal Image Fusion for Cardiac Resynchronization Therapy Planning. 2018, 67-82	
525	Herz und Blutgefe. 2018 , 471-484	
524	Method comparison for cardiac image registration of coronary computed tomography angiography and 3-D echocardiography. 2018 , 5, 014001	2
523	Detection of Regional Wall Motion Abnormalities in Compressed Sensing Cardiac Cine Imaging. 2018 , 08, 277-287	

522	Predictors of Coronary Artery Disease Progression among High-risk Patients with Recurrent Symptoms. 2018 , 19, 45-48	О
521	RESULTS OF NON-INVASIVE ACTIVATION MAPPING OF THE HEART IN âlDIOPATHICâlVENTRICULAR ARRHYTHMIAS IN COMPARISON WITH STRUCTURAL CHARACTERISTICS OF MYOCARDIUM BY MAGNETIC RESONANCE IMAGING. 2018 , 32-40	1
520	Stress Cardiovascular Magnetic Resonance: Wall Motion. 2019, 208-225.e3	
519	Guidelines for Cardiovascular Magnetic Resonance Imaging from the Korean Society of Cardiovascular Imagingâ P art 2: Interpretation of Cine, Flow, and Angiography Data. 2019 , 3, 113	1
518	Reduced Myocardial Flow Reserve Is Associated with Subendocardial Infarction and Coronary Stenosis in Patients with Coronary Artery Disease: A Perfusion MRI Study. 2019 , 3, 8	
517	Automated Diagnostic Model Based on Isoline Map Analysis of Myocardial Tissue Structure. 2019 , 221-238	
516	Automatic Left Ventricle Quantification in Cardiac MRI via Hierarchical Refinement of High-Level Features by a Salient Perceptual Grouping Model. 2019 , 439-449	
515	Pipeline to Build and Test Robust 3D T1 Mapping-Based Heart Models for EP Interventions: Preliminary Results. 2019 , 64-72	1
514	Guidelines for Cardiovascular Magnetic Resonance Imaging from the Korean Society of Cardiovascular Imaging-Part 2: Interpretation of Cine, Flow, and Angiography Data. 2019 , 20, 1477-1490	9
513	The Role of Phase Image in the Detection of Myocardial Dyskinesia by Magnetic Resonance Imaging	
	(MRI). 2019 , 15, 214-219	
512	(MRI). 2019, 15, 214-219 Epicardial fat thickness correlates with coronary in-stent restenosis in patients with acute myocardial infarction. 2019, 31, 49-55	4
	Epicardial fat thickness correlates with coronary in-stent restenosis in patients with acute	4
512	Epicardial fat thickness correlates with coronary in-stent restenosis in patients with acute myocardial infarction. 2019 , 31, 49-55	4
512 511	Epicardial fat thickness correlates with coronary in-stent restenosis in patients with acute myocardial infarction. 2019, 31, 49-55 Analysis of physiological noise in quantitative cardiac magnetic resonance. FEATURES OF STRUCTURAL AND ELECTRICAL REMODELING OF THE HEART ASSOCIATED WITH HIGH RISK OF LIFETHREATENING VENTRICULAR TACHYARRHYTHMIAS IN PATIENTS WITH	4
512 511 510	Epicardial fat thickness correlates with coronary in-stent restenosis in patients with acute myocardial infarction. 2019, 31, 49-55 Analysis of physiological noise in quantitative cardiac magnetic resonance. FEATURES OF STRUCTURAL AND ELECTRICAL REMODELING OF THE HEART ASSOCIATED WITH HIGH RISK OF LIFETHREATENING VENTRICULAR TACHYARRHYTHMIAS IN PATIENTS WITH ISCHEMIC AND NON-ISCHEMIC CARDIOMYOPATHIES. 2019, 34, 39-47 FEATURES OF STRUCTURAL AND ELECTRICAL REMODELING OF THE HEART ASSOCIATED WITH HIGH RISK OF LIFETHREATENING VENTRICULAR TACHYARRHYTHMIAS IN PATIENTS WITH	2
512 511 510 509	Epicardial fat thickness correlates with coronary in-stent restenosis in patients with acute myocardial infarction. 2019, 31, 49-55 Analysis of physiological noise in quantitative cardiac magnetic resonance. FEATURES OF STRUCTURAL AND ELECTRICAL REMODELING OF THE HEART ASSOCIATED WITH HIGH RISK OF LIFETHREATENING VENTRICULAR TACHYARRHYTHMIAS IN PATIENTS WITH ISCHEMIC AND NON-ISCHEMIC CARDIOMYOPATHIES. 2019, 34, 39-47 FEATURES OF STRUCTURAL AND ELECTRICAL REMODELING OF THE HEART ASSOCIATED WITH HIGH RISK OF LIFETHREATENING VENTRICULAR TACHYARRHYTHMIAS IN PATIENTS WITH ISCHEMIC AND NON-ISCHEMIC CARDIOMYOPATHIES. 2019, 34, 39-47 [Assessment of myocardial electrical dissynchrony by noninvasive activation mapping and its role in	
512 511 510 509 508	Epicardial fat thickness correlates with coronary in-stent restenosis in patients with acute myocardial infarction. 2019, 31, 49-55 Analysis of physiological noise in quantitative cardiac magnetic resonance. FEATURES OF STRUCTURAL AND ELECTRICAL REMODELING OF THE HEART ASSOCIATED WITH HIGH RISK OF LIFETHREATENING VENTRICULAR TACHYARRHYTHMIAS IN PATIENTS WITH ISCHEMIC AND NON-ISCHEMIC CARDIOMYOPATHIES. 2019, 34, 39-47 FEATURES OF STRUCTURAL AND ELECTRICAL REMODELING OF THE HEART ASSOCIATED WITH HIGH RISK OF LIFETHREATENING VENTRICULAR TACHYARRHYTHMIAS IN PATIENTS WITH ISCHEMIC AND NON-ISCHEMIC CARDIOMYOPATHIES. 2019, 34, 39-47 [Assessment of myocardial electrical dissynchrony by noninvasive activation mapping and its role in achieving the success of cardiac resynchronization]. 2019, 59, 21-32 Mechanisms of Arrhythmogenicity in Hypertrophic Cardiomyopathy: Insight from Noninvasive	

504	Regional dynamics of fractal dimension of the left ventricular endocardium from cine computed tomography images. 2019 , 6, 046002	1
503	Role of stress in dynamic single-photon emission computed tomography with myocardial perfusion reserve determination in assessing the severity of coronary artery stenosis. 2019 , 40-46	
502	Anthropomorphic left ventricular mesh phantom: a framework to investigate the accuracy of SQUEEZ using Coherent Point Drift for the detection of regional wall motion abnormalities. 2019 , 6, 045001	O
501	Prediction of CRT Response on Personalized Computer Models. 2020 , 352-363	
500	Left Ventricular Longitudinal Global Strain to Predict Severe Coronary Disease in Patients with Precordial Pain Suggestive of Non-ST-Segment Elevation Acute Coronary Syndrome. 2020 , 30, 187-192	О
499	Reference Ranges for Left Ventricular Curvedness and Curvedness-Based Functional Indices Using Cardiovascular Magnetic Resonance in Healthy Asian Subjects. 2020 , 10, 8465	О
498	ELECTROCARDIOGRAPHIC SIGNS OF ACUTE MYOCARDIAL ISCHEMIA AS EQUIVALENTS OF ST ELEVATION MYOCARDIAL INFARCTION. 2020 , 1, 43-49	
497	Ventricular tachyarrhythmias prediction in patients with ischemic cardiomyopathy. 2020 , 27, 47-54	
496	Injectable Myocardial Matrix Hydrogel Mitigates Negative Left Ventricular Remodeling in a Chronic Myocardial Infarction Model.	
495	Long-term prognostic value of computed tomography-based attenuation correction on thallium-201 myocardial perfusion imaging: A cohort study. 2021 , 16, e0258983	О
494	Clinical Application of Dynamic Contrast Enhanced Perfusion Imaging by Cardiovascular Magnetic Resonance. 2021 , 8, 768563	3
493	PET/MRI: â[hflammationâ[] 2022 , 243-264	
492	Prognostic value of pre-hospitalization stress perfusion cardiovascular magnetic resonance to predict death in patients hospitalized for COVID-19. 2021 , 114, 781-792	О
491	Analysis of Cardiac Contraction Patterns. 2020 , 129-174	
490	Is there myocardial involvement in children with long-term follow-up for Kawasaki disease? A study based on two-dimensional speckle tracking echocardiography. 2021 , 56, 44-50	
489	Estimation of fractional myocardial blood volume and water exchange using ferumoxytol-enhanced magnetic resonance imaging. 2021 , 53, 1699-1709	О
488	A Regularization Scheme Based on Gaussian Mixture Model for EM Data Inversion. 2020,	
487	FLT-PET for the assessment of systemic sarcoidosis including cardiac and CNS involvement: a prospective study with comparison to FDG-PET. 2020 , 10, 154	4

486	Longitudinal Strain by Speckle Tracking during Dobutamine Stress Echocardiography in Suspected Coronary Arteries Disease. 2020 , 15-25	
485	Association Between Myocardial Scar Burden and Left Ventricular Ejection Fraction in Ischemic Cardiomyopathy. 2020 , 12, e12110	
484	The Trials and Tribulations of Conducting Stress CMR Quantitative Analysis Studies. 2020, 13, 2558-2560	
483	The use of lesion-specific calcium morphology to guide the appropriate use of dynamic CT myocardial perfusion imaging and CT fractional flow reserve 2022 , 12, 1257-1269	Ο
482	Dark-blood late gadolinium-enhancement cardiac magnetic resonance imaging for myocardial scar detection based on simplified timing scheme: single-center experience in patients with suspected coronary artery disease 2022 , 12, 1037-1050	0
481	Diagnostic accuracy of noncompacted-to-compacted wall ratio criteria on CMRI for the diagnosis of left ventricular noncompaction.	
480	A Pilot Study of Third-Generation Dual-Source Computed Tomography for the Assessment of Global Dynamic Changes in Left Ventricular Structure and Function in a Porcine Model of Acute Myocardial Infarction. 2019 , 25, 7989-7997	1
479	SPECKLE TRACKING DOBUTAMINE STRESS ECHOCARDIOGRAPHY DIAGNOSTIC ACCURACY IN PRIMARY CORONARY ARTERIES DISEASE DIAGNOSIS. 2020 , 73, 2447-2456	
478	Phantom-Validated Reference Values of Myocardial Mapping and Extracellular Volume at 3T in Healthy Koreans. 2020 , 24, 141	1
477	Toxicity Management for Thorax Tumors in Radiation Oncology. 2020 , 107-169	
476	Correlation between serum matrix metalloproteinase and myocardial fibrosis in heart failure patients with reduced ejection fraction: A retrospective analysis. 2020 , 24, 303-308	О
476 475		0
	patients with reduced ejection fraction: A retrospective analysis. 2020 , 24, 303-308	O
475	patients with reduced ejection fraction: A retrospective analysis. 2020 , 24, 303-308 Intraprocedural Guidance and Monitoring. 2020 , 133-185 Quantitative Assessment of Myocardial Ischemia in Multi-Vessel Coronary Artery Disease by	0
475 474	patients with reduced ejection fraction: A retrospective analysis. 2020, 24, 303-308 Intraprocedural Guidance and Monitoring. 2020, 133-185 Quantitative Assessment of Myocardial Ischemia in Multi-Vessel Coronary Artery Disease by Multimodal Stress Echocardiography with Semi-Supine Bicycle Ergometry. 2020, 15, 813-819 Explicit measurement of multi-tracer arterial input function for PET imaging using blood sampling	
475 474 473	Intraprocedural Guidance and Monitoring. 2020, 133-185 Quantitative Assessment of Myocardial Ischemia in Multi-Vessel Coronary Artery Disease by Multimodal Stress Echocardiography with Semi-Supine Bicycle Ergometry. 2020, 15, 813-819 Explicit measurement of multi-tracer arterial input function for PET imaging using blood sampling spectroscopy. 2020, 7, 7 Evaluation of the diagnostic value of joint PET myocardial perfusion and metabolic imaging for	
475 474 473 472	Intraprocedural Guidance and Monitoring. 2020, 133-185 Quantitative Assessment of Myocardial Ischemia in Multi-Vessel Coronary Artery Disease by Multimodal Stress Echocardiography with Semi-Supine Bicycle Ergometry. 2020, 15, 813-819 Explicit measurement of multi-tracer arterial input function for PET imaging using blood sampling spectroscopy. 2020, 7, 7 Evaluation of the diagnostic value of joint PET myocardial perfusion and metabolic imaging for vascular stenosis in patients with obstructive coronary artery disease (Preprint). Coronary Computed Tomography (CT) Angiography Characteristics of High-Risk Plaque: Correlation	

468	Patterns of Replacement Fibrosis in Hypertrophic Cardiomyopathy. 2021 , 210914	O
467	The diagnostic accuracy of truncated cardiovascular MR protocols for detecting non-ischemic cardiomyopathies. 2021 , 1	O
466	Progressive myocardial injury in myotonic dystrophy type II and facioscapulohumeral muscular dystrophy 1: a cardiovascular magnetic resonance follow-up study. 2021 , 23, 130	O
465	¿Qu'patr[h de Doppler se puede encontrar en la miocardiopat¶ hipertr[fica?. 2020 , 3, 48-50	
464	Ventricular Morphology and Function: Study of Cardiomyopathies. 2005, 28-45	
463	Cardiovascular Magnetic Resonance of Ischemic Heart Disease. 2005 , 70-90	
462	Assessment of Cardiac Structure and Function by X-ray Computed Tomography. 2006, 67-79	
461	Integrierte Visualisierung von Anatomie und Perfusion des Myokards zur Frflerkennung der Koronaren Herzkrankheit. 2006 , 291-295	1
460	Ruhe- und Belastungs-EKG, Nuklearmedizin, MRT und CT. 2006 , 31-73	
459	Nuclear Imaging with Exercise Testing. 2009 , 121-142	
458	Stress Echocardiography. 2009 , 143-166	
457	Cardiac Magnetic Resonance Imaging. 2005 , 249-269	
456	Echocardiography in Myocardial Infarction. 2007 , 133-148	
455	Stress Echocardiography. 2007 , 149-160	
454	Display and Analysis of SPECT Myocardial Perfusion Images. 2008 , 129-171	
453	The Standard Cardiac Exam. 2008 , 17-24	
452	Thorax and Vasculature. 2008, 663-861	
45 ¹	Complementary Role of Cardiac CT and MRI. 2009 , 269-284	

450 Evaluation of Ventricular Function Parameters. **2007**, 266-280

449	Herz. 2007 , 3-103	
448	Photon Attenuation Correction in Misregistered Cardiac PET/CT. 2007, 227-231	
447	Computer Assisted Optimization of Biventricular Pacing Assuming Ventricular Heterogeneity. 2007 , 541-544	2
446	Principles of Myocardial SPECT Imaging. 2009 , 191-211	0
445	Anatomy. 2009 , 11-26	
444	Can the degree of coronary collateralization be used in clinical routine as a valid angiographic parameter of viability?. 2021 , 37, 379-388	0
443	Identifying myocardial injuries in "normal-appearing" myocardium in pediatric patients with clinically suspected myocarditis using mapping techniques. 2020 , 8, e10252	O
442	Myocardial viability imaging using a novel non-breath-hold cardiac MRI protocol: a comparative assessment with 18F-FDG PET. 2020 , 51,	1
441	Dobutamine Stress Echocardiography with B-Mode Speckle Tracking in Patients after Acute Coronary Syndromes: Diagnostic and Prognostic Value. 2020 , 28-37	
440	Deep convolution neural networks based artifact suppression in under-sampled radial acquisitions of myocardial T mapping images. 2020 , 65, 225024	2
439	Probing cardiomyocyte mobility with multi-phase cardiac diffusion tensor MRI. 2020 , 15, e0241996	2
438	The Clinical Course of Takotsubo Syndrome Diagnosed According to the InterTAK Criteria. 2020,	
437	Cardiac magnetic resonance imaging myocardial perfusion reserve index in heart transplant patients. 2020 , 62, 493-501	1
436	Cardiac magnetic resonance imaging myocardial perfusion reserve index in heart transplant patients. 2020 , 62, 493-501	
435	Incremental value of regional wall motion abnormalities for detecting obstructive coronary artery disease by rest-only electrocardiogram-gated single-photon emission computerized tomography myocardial perfusion imaging in suspected coronary artery disease patients. 2021 , 42, 276-283	Ο
434	Differentiating Nonischemic Dilated Cardiomyopathy With Incidental Infarction From Ischemic Cardiomyopathy by Geometric Indices Derived From Cardiovascular Magnetic Resonance. 2021 , 36, 248-253	3
433	Reproducibility of myocardial perfusion reserve - variations in measurements from post processing using commercially available software. 2012 , 2, 268-77	13

432	Magnetic resonance imaging in coronary artery bypass surgeryimprovement of global and segmental function in patients with severely compromized left ventricular function. 2007 , 3, 763-8	1
431	Cardiac complications in type 2 diabetic patients with mild anginal symptoms and documented reversible myocardial perfusion defects: Results of the MERIDIAN trial. 2006 , 14, 409-416	3
430	Noninvasive cardiovascular imaging techniques for basic science research: application to cellular therapeutics. 2009 , 62, 918-27	2
429	LateTIME: a phase-II, randomized, double-blinded, placebo-controlled, pilot trial evaluating the safety and effect of administration of bone marrow mononuclear cells 2 to 3 weeks after acute myocardial infarction. 2010 , 37, 412-20	45
428	Initial clinical outcomes of intracoronary infusion of autologous progenitor cells in patients with acute myocardial infarction. 2012 , 7, 162-7	5
427	The role of echocardiography in coronary artery disease and acute myocardial infarction. 2013, 8, 1-13	13
426	The number of circulating CD14(+) cells is related to infarct size and postinfarct volumes in ST segment elevation myocardial infarction but not non-ST segment elevation myocardial infarction. 2012 , 17, 131-5	5
425	Effect of age on aortic atherosclerosis. 2013 , 10, 135-40	7
424	Safety and feasibility of mapping and stem cell delivery in the presence of an implanted left ventricular assist device: a preclinical investigation in sheep. 2013 , 40, 229-34	9
423	Left ventricular noncompaction cardiomyopathy. 2013 , 3, 170-5	16
423	Left ventricular noncompaction cardiomyopathy. 2013, 3, 170-5 A single CT for attenuation correction of both rest and stress SPECT myocardial perfusion imaging: a retrospective feasibility study. 2014, 7, 148-55	16 4
	A single CT for attenuation correction of both rest and stress SPECT myocardial perfusion imaging:	
422	A single CT for attenuation correction of both rest and stress SPECT myocardial perfusion imaging: a retrospective feasibility study. 2014 , 7, 148-55 Preoperative usages of levosimendan in patients undergoing coronary artery bypass grafting. 2014 ,	4
422	A single CT for attenuation correction of both rest and stress SPECT myocardial perfusion imaging: a retrospective feasibility study. 2014 , 7, 148-55 Preoperative usages of levosimendan in patients undergoing coronary artery bypass grafting. 2014 , 7, 219-29 Rule-based Method for Extent and Localization of Myocardial Infarction by Extracted Features of	4 8
422 421 420	A single CT for attenuation correction of both rest and stress SPECT myocardial perfusion imaging: a retrospective feasibility study. 2014, 7, 148-55 Preoperative usages of levosimendan in patients undergoing coronary artery bypass grafting. 2014, 7, 219-29 Rule-based Method for Extent and Localization of Myocardial Infarction by Extracted Features of ECG Signals using Body Surface Potential Map Data. 2013, 3, 129-38 Diagnostic value of (18)F-FDG PET in the assessment of myocardial viability in coronary artery	4 8 2
422 421 420 419	A single CT for attenuation correction of both rest and stress SPECT myocardial perfusion imaging: a retrospective feasibility study. 2014, 7, 148-55 Preoperative usages of levosimendan in patients undergoing coronary artery bypass grafting. 2014, 7, 219-29 Rule-based Method for Extent and Localization of Myocardial Infarction by Extracted Features of ECG Signals using Body Surface Potential Map Data. 2013, 3, 129-38 Diagnostic value of (18)F-FDG PET in the assessment of myocardial viability in coronary artery disease: A comparative study with (99m)Tc SPECT and echocardiography. 2014, 11, 229-36 Left ventricular dyssynchrony in patients with moderate coronary stenosis and border line	4 8 2 13
422 421 420 419 418	A single CT for attenuation correction of both rest and stress SPECT myocardial perfusion imaging: a retrospective feasibility study. 2014, 7, 148-55 Preoperative usages of levosimendan in patients undergoing coronary artery bypass grafting. 2014, 7, 219-29 Rule-based Method for Extent and Localization of Myocardial Infarction by Extracted Features of ECG Signals using Body Surface Potential Map Data. 2013, 3, 129-38 Diagnostic value of (18)F-FDG PET in the assessment of myocardial viability in coronary artery disease: A comparative study with (99m)Tc SPECT and echocardiography. 2014, 11, 229-36 Left ventricular dyssynchrony in patients with moderate coronary stenosis and border line fractional flow reserve. 2015, 77, 155-66 A rare long-term survival of the life-threatening trio: silent myocardial infarction complicated by	4 8 2 13

414	Evaluation of myocardial viability in old myocardial infarcted patients with CHF: delayed enhancement MRI vs. low-dose dobutamine stress speckle tracking echocardiography. 2016 , 8, 3731-3743	4
413	Relationship between R-R interval and left ventricular systolic synchrony in subjects with coronary artery disease determined using angiography. 2016 , 6, 175-184	
412	Contrast-enhanced cardiac Magnetic Resonance: distinction between cardiac sarcoidosis and infarction scar. 2017 , 34, 307-314	1
411	Diagnostic approach for cardiac involvement in sarcoidosis. 2019 , 36, 11-17	3
410	Diagnostic Accuracy of Global Longitudinal Strain for Detecting Significant Coronary Artery Disease in Diabetic Patients without Regional Wall Motion Abnormality. 2020 , 32, 425-433	
409	Assessing mental stress on myocardial perfusion and myocardial blood flow in women without obstructive coronary disease: protocol for a mechanistic clinical trial. 2020 , 10, e038362	1
408	Genotypic groups as risk factors for cardiac magnetic resonance abnormalities and complications in thalassemia major: a large, multicentre study. 2021 , 19, 168-176	1
407	Does Employing a Flowchart Improve the Diagnostic Performance of Cardiac Magnetic Resonance Imaging in Left Ventricular Noncompaction?. 2021 , 37, 166-176	
406	18F-flurpiridaz positron emission tomography segmental and territory myocardial blood flow metrics: incremental value beyond perfusion for coronary artery disease categorization 2021 ,	O
405	Impact of apical and mid-ventricular transmural infarcts in patients with acute myocardial infarction determined by using late gadolinium enhancement combined with feature tracking magnetic resonance 2022 , 12, 103-113	
404	Multimodality noninvasive cardiovascular imaging for the evaluation of coronary artery disease. 2022 , 147-170	
403	Free-breathing 3D cardiac T mapping with transmit B correction at 3T. 2021 ,	1
402	Non-invasive Imaging in Coronary Syndromes - Recommendations of the European Association of Cardiovascular Imaging and the American Society of Echocardiography, in Collaboration with the American Society of Nuclear Cardiology, Society of Cardiovascular Computed Tomography and	2
401	Society for Cardiovascular Magnetic Resonance. 2021 , Phenotypic Clustering of Patients With Newly Diagnosed Coronary Artery Disease Using Cardiovascular Magnetic Resonance and Coronary Computed Tomography Angiography. 2021 , 8, 760120	O
400	Myocardial Viability, Functional Status, and Collaterals of Patients With Chronically Occluded Coronary Arteries. 2021 , 8, 754826	1
399	Pressure-volume relationship by pharmacological stress cardiovascular magnetic resonance. 2021 , 1	
398	Echocardiography for Cardiac Surgeons. 2022 , 225-256	
397	Myocardial changes on 3T cardiovascular magnetic resonance imaging in response to haemodialysis with fluid removal. 2021 , 23, 125	O

396	Selective Interventricular Septal Radiofrequency Ablation in Patients With Hypertrophic Obstructive Cardiomyopathy: Who Can Benefit?. 2021 , 8, 743044	0
395	Myocardial blood flow is the dominant factor influencing cardiac magnetic resonance adenosine stress T2. 2021 , e4643	1
394	Multi-parametric cardiovascular magnetic resonance with regadenoson stress perfusion is safe following pediatric heart transplantation and identifies history of rejection and cardiac allograft vasculopathy. 2021 , 23, 135	1
393	The Link of Pancreatic Iron with Glucose Metabolism and Cardiac Iron in Thalassemia Intermedia: A Large, Multicenter Observational Study. 2021 , 10,	1
392	[Intraoperative transesophageal echocardiography for emergency diagnostics in noncardiac surgery patients]. 2021 , 71, 65	
391	Predictive value of SPECT myocardial perfusion imaging in patients with unrevascularized coronary chronic total occlusion. 2021 , 1	
390	Left Atrial Geometry and Phasic Function Determined by Cardiac Magnetic Resonance Are Independent Predictors for Outcome in Non-Ischaemic Dilated Cardiomyopathy. 2021 , 9,	
389	Incremental value of F-FDG cardiac PET imaging over dobutamine stress echocardiography in predicting myocardial ischemia in patients with suspected coronary artery disease. 2021 , 1	1
388	Correlation between left ventricular fractal dimension and impaired strain assessed by cardiac MRI feature tracking in patients with left ventricular noncompaction and normal left ventricular ejection fraction. 2021 , 1	1
387	Two-dimensional speckle tracking echocardiography derived post systolic shortening in patients with unstable angina and normal left ventricular systolic function. 2021 , 25, 880-886	o
386	Substrate Characterization and Outcome of Catheter Ablation of Ventricular Tachycardia in Patients With Nonischemic Cardiomyopathy and Isolated Epicardial Scar. 2021 , CIRCEP121010279	1
385	Myocardial fibrosis assessed by magnetic resonance imaging in asymptomatic heterozygous familial hypercholesterolemia: the cholcoeur study. 2021 , 74, 103735	o
384	Rubidium-82 PET/CT myocardial perfusion imaging. 2021 ,	
383	Regional myocardial sympathetic denervation precedes the development of left ventricular systolic dysfunction in chronic Chagas' cardiomyopathy 2022 , 1	0
382	Diagnostic Accuracy Of Global Longitudinal Strain For Detecting Significant Coronary Artery Disease In Diabetic Patients Without Regional Wall Motion Abnormality. 2020 , 32, 425-433	1
381	Myocardium.	
380	Inference of Ventricular Activation Properties from Twelve-lead Electrocardiogram. 2021,	
379	Prevalence of cardiotropic viruses in adults with clinically suspected myocarditis in South Africa 2022 , 9,	0

378	Evaluating the association between hybrid magnetic resonance positron emission tomography and cardiac-related outcomes in cardiac sarcoidosis.	0
377	Myocardial CT perfusion imaging for the detection of obstructive coronary artery disease: multisegment reconstruction does not improve diagnostic performance 2022 , 6, 5	
376	Static CT myocardial perfusion imaging: image quality, artifacts including distribution and diagnostic performance compared to Rb PET 2022 , 6, 1	
375	Beyond Coronary CT Angiography: CT Fractional Flow Reserve and Perfusion. 2022 , 83, 3	
374	Molecular Mechanisms behind Persistent Presence of Parvovirus B19 in Human Dilated Myocardium 2022 , 1	0
373	Considerations on the naming of myocardial infarctions 2022 , 71, 44-46	
372	Myocardial T1, T2, T2*, and fat fraction quantification via low-rank motion-corrected cardiac MR fingerprinting 2022 ,	1
371	Intracoronary pressures to predict myocardial viability in patients with ischemic left ventricular dysfunction 2022 ,	
370	Combined Cardiac Fluorodeoxyglucose-Positron Emission Tomography/Magnetic Resonance Imaging Assessment of Myocardial Injury in Patients Who Recently Recovered From COVID-19 2022 ,	5
369	Penetrance and disease expression of (likely) pathogenic variants associated with inherited cardiomyopathies in the general population.	
368	Prevalence and Prognostic Significance of Microvascular Dysfunction in Heart Failure With Preserved Ejection Fraction 2022 ,	0
367	Measurement of myocardial extracellular volume fraction in patients with heart failure with preserved ejection fraction using dual-energy computed tomography 2022 , 1	
366	Myocardial T2 values at 1.5 T by a segmental approach with healthy aging and gender 2022, 1	1
365	Myocardial Deformation in the Pediatric Age Group: Normal Values for Strain and Strain Rate Using 2D Magnetic Resonance Feature Tracking 2022 ,	O
364	Sex differences in coronary angiographic findings in patients with stable chest pain: analysis of data from the KoRean wOmen'S chest pain rEgistry (KoROSE) 2022 , 13, 2	1
363	Quantification of Murine Myocardial Infarct Size using 2D and 4D High Frequency Ultrasound 2022 ,	О
362	Longitudinal Assessment of Global and Regional Left Ventricular Strain in Patients with Multisystem Inflammatory Syndrome in Children (MIS-C) 2022 , 1	1
361	Can nuclear imaging accurately detect scar in ischemic cardiac resynchronization therapy candidates?. 2022 , 43,	

360	Post-ST-Segment-Elevation Myocardial Infarction Platelet Reactivity Is Associated With the Extent of Microvascular Obstruction and Infarct Size as Determined by Cardiac Magnetic Resonance Imaging 2022 , e020973	O
359	Knowledge of Hyperemic Myocardial Blood Flow in Healthy Subjects Helps Identify Myocardial Ischemia in Patients With Coronary Artery Disease 2022 , 9, 817911	
358	Role of cardiac CT in the diagnostic evaluation and risk stratification of patients with myocardial infarction and non-obstructive coronary arteries (MINOCA): rationale and design of the MINOCA-GR study 2022 , 12, e054698	О
357	Left ventricular strain derived from computed tomography feature tracking: Determinants of failure and reproducibility 2022 , 148, 110190	1
356	Prevalence and prognostic significance of ischemic late gadolinium enhancement pattern in non-ischemic dilated cardiomyopathy 2022 , 246, 117-117	O
355	Contemporary Management of Stable Coronary Artery Disease 2022 , 1	O
354	Patterns of cardiac involvement in different muscular dystrophies assessed by magnetic resonance imaging 2022 , 2841851221077402	
353	Prediction of Nonviable Myocardium by ECG Q-Wave Parameters: A 3.0 T Cardiovascular Magnetic Resonance Study 2022 ,	
352	Diagnostic accuracy of coronary computed tomography angiography in ischemic workup of heart failure: a meta-analysis 2022 ,	1
351	Diagnostic and Prognostic Value of B-Mode Speckle Tracking during Dobutamine Stress-Echocardiography in Primary Diagnostics of Coronary Artery Disease. 2021 , 63-76	
350	Correlation between quantification of myocardial area at risk and ischemic burden at cardiac computed tomography 2022 , 9, 100417	0
349	Comparison of Evaluation Metrics for Landmark Detection in CMR Images. 2022 , 198-203	2
348	Evaluation of Non-infarct-Related Arteries Using C-11 Acetate PET in STEMI With Multivessel Disease. 30,	0
347	Cardiac Magnetic Resonance Findings and Prognosis in Type 1 Myotonic Dystrophy.	
346	Prevalence of myocardial perfusion scintigraphy derived ischemia in coronary lesions with discordant fractional flow reserve and non-hyperemic pressure ratios 2022 ,	0
345	Left atrial adaptation in ischemic heart disease: insights from a cardiovascular magnetic resonance study 2022 , 1	О
344	Acute coronary syndrome on non-electrocardiogram-gated contrast-enhanced computed tomography 2022 , 14, 30-46	
343	Diagnostic performance of deep learning algorithm for analysis of computed tomography myocardial perfusion 2022 , 1	2

342	Visualization of Concurrent Epicardial and Microvascular Coronary Artery Disease in a Patient with Systemic Lupus Erythematosus by Magnetic Resonance Imaging 2022 , 31, 3-8	1
341	Undiagnosed Chronic Obstructive Pulmonary Disease is Highly Prevalent in Patients Referred for Dobutamine Stress Echocardiography with Shortness of Breath 2022 , 200, 41	O
340	Myocardial perfusion quantification with Rb-82 PET: good interobserver agreement of Carimas software on global, regional, and segmental levels 2022 , 1	
339	A Closed-Loop Modeling Framework for Cardiac-to-Coronary Coupling 2022 , 13, 830925	O
338	Coronary-specific quantification of myocardial deformation by strain echocardiography may disclose the culprit vessel in patients with non-ST-segment elevation acute coronary syndrome. 2022 , 2,	1
337	Measurement of myocardial extracellular volume using cardiac dual-energy computed tomography in patients with ischaemic cardiomyopathy: a comparison of different methods 2022 , 1	
336	Exercise stress echocardiography: Where are we now?. 2022 , 14, 64-82	O
335	Clinical value of resting cardiac dual-energy CT in patients suspected of coronary artery disease 2022 , 22, 32	O
334	Pericardial Involvement in ST-Segment Elevation Myocardial Infarction as Detected by Cardiac MRI 2022 , 9, 752626	
333	Quantitative Assessment Using the Compartment Model for Detecting Regional Coronary Artery Disease by Dynamic Myocardial Perfusion Single-Photon Emission Computed Tomography 2022 ,	O
332	Myocardial Injury Pattern at MRI in COVID-19 Vaccine-associated Myocarditis 2022, 212559	11
331	Cardiac MRI in Suspected Acute Myocarditis After COVID-19 mRNA Vaccination 2022,	1
330	Feasibility of electroanatomic mapping and radiofrequency catheter ablation in Boxer dogs with symptomatic ventricular tachycardia 2022 ,	O
329	Impact of myocardial injury on regional left ventricular function in the course of acute myocarditis with preserved ejection fraction: insights from segmental feature tracking strain analysis using cine cardiac MRI. 1	
328	Free-breathing gradient recalled echo-based CMR in a swine heart failure model 2022, 12, 3698	
327	Link between Genotype and Multi-Organ Iron and Complications in Children with Transfusion-Dependent Thalassemia 2022 , 12,	O
326	A Novel Quantitative Parameter for Static Myocardial Computed Tomography: Myocardial Perfusion Ratio to the Aorta 2022 , 11,	О
325	Cardiac MRI and Echocardiography for Early Diagnosis of Cardiomyopathy Among Boys With Duchenne Muscular Dystrophy: A Cross-Sectional Study 2022 , 10, 818608	O

324	Sex Effect in the Decision to Perform Invasive Coronary Angiography in Patients With Chronic Coronary Syndrome After Undergoing Vasodilator Stress MRI 2022 ,	
323	Cardiac Magnetic Resonance in the Evaluation of COVID-19 2022 , 8, e09	O
322	Simultaneous Multi-Slice Cardiac MR Multitasking for Motion-Resolved, Non-ECG, Free-Breathing T1-T2 Mapping 2022 , 9, 833257	0
321	Role of Late Gadolinium Enhancement in the Assessment of Myocardial Viability 2022, 14, e22844	
320	Simultaneous multislice steady-state free precession myocardial perfusion with full left ventricular coverage and high resolution at 1.5 T 2022 ,	1
319	Multi-parametric speckle tracking analyses to characterize cardiac amyloidosis: a comparative study of systolic left ventricular longitudinal myocardial mechanics 2022 , 1	
318	Fine-grained calibrated double-attention convolutional network for left ventricular segmentation 2022 ,	1
317	Deep learning methods for automatic evaluation of delayed enhancement-MRI. The results of the EMIDEC challenge 2022 , 79, 102428	2
316	Assessment of Acute Rejection by Global Longitudinal Strain and Cardiac Biomarkers in Heart-Transplanted Patients 2022 , 13, 841849	
315	Persistent Cardiac MRI Findings in a Cohort of Adolescents with post COVID-19 mRNA vaccine myopericarditis 2022 ,	7
314	Localization of Late Gadolinium Enhancement and Its Association with Ventricular Tachycardia in Patients with Cardiac Sarcoidosis 2022 , 63, 235-240	1
313	Validating an Idiopathic Dilated Cardiomyopathy Diagnosis Using Cardiovascular Magnetic Resonance: The Dilated Cardiomyopathy Precision Medicine Study 2022 , CIRCHEARTFAILURE121008877	O
312	Outcomes of surgical repair of anterior or posterior ventricular septal rupture after myocardial infarction 2022 , 12, 177-187	
311	Simultaneous assessment of myocardial perfusion and adrenergic innervation in patients with heart failure by low-dose dual-isotope CZT SPECT imaging 2022 , 1	Ο
310	Development of deep learning pipeline for direct observation of wall motion abnormality from 4DCT. 2022 ,	
309	Reproducibility of global and segmental myocardial strain using cine DENSE at 3 T: a multicenter cardiovascular magnetic resonance study in healthy subjects and patients with heart disease 2022 , 24, 23	Ο
308	The relation of RAAS activity and endothelin-1 levels to coronary atherosclerotic burden and microvascular dysfunction in chest pain patients 2022 , 347, 47-54	1
307	Bayesian optimisation for efficient parameter inference in a cardiac mechanics model of the left ventricle 2022 , e3593	Ο

306	Non-Invasive Imaging in Coronary Syndromes: Recommendations of The European Association of Cardiovascular Imaging and the American Society of Echocardiography, in Collaboration with The American Society of Nuclear Cardiology, Society of Cardiovascular Computed Tomography, and	1
305	Society for Cardiovascular Magnetic Resonance 2022, 35, 329-354 Reproducibility of Systolic Strain in Mice Using Cardiac Magnetic Resonance Feature Tracking of Black-Blood Cine Images 2022, 1	
304	Effects of left ventricular mass on computed tomography derived fractional flow reserve in significant obstructive coronary artery disease 2022 ,	0
303	Characterization of motion patterns by a spatio-temporal saliency descriptor in cardiac cine MRI 2022 , 218, 106714	
302	Standardizing the Cardiac Radioablation Targeting Workflow: Enabling Semi-Automated Angulation and Segmentation of the Heart According to the American Heart Association Segmented Model 2022 , 7, 100928	0
301	Multimodality Imaging Assessment of the Heart Before and After Stage III Non-small Cell Lung Cancer Radiation Therapy 2022 , 7, 100927	
300	Role of Left Ventricular Speckle Tracking Imaging in Detection of Coronary Artery Disease in Non-Diabetic Patients. 2021 , 106-112	
299	Myocardial extracellular volume fraction quantification based on T1 mapping at 3 T: quality optimization by contour-based registration and segmental analysis 2021 , 2841851211067149	1
298	Impact of blood pressure changes on myocardial work indices in hypertensive patients in a day. 2021 ,	3
297	Radiomic features of epicardial adipose tissue in coronary atherosclerosis. 2021 , 10, 6-16	1
297 296	Radiomic features of epicardial adipose tissue in coronary atherosclerosis. 2021 , 10, 6-16 Machine Learning Prediction of Cardiac Resynchronisation Therapy Response From Combination of Clinical and Model-Driven Data 2021 , 12, 753282	1
	Machine Learning Prediction of Cardiac Resynchronisation Therapy Response From Combination of	
296	Machine Learning Prediction of Cardiac Resynchronisation Therapy Response From Combination of Clinical and Model-Driven Data 2021 , 12, 753282	1
296 295	Machine Learning Prediction of Cardiac Resynchronisation Therapy Response From Combination of Clinical and Model-Driven Data 2021, 12, 753282 National networking in rare diseases and reduction of cardiac burden in thalassemia major 2021, Myocardial Extracellular Volume Fraction and T1 Mapping by Cardiac Magnetic Resonance Compared Between Patients With and Without Type 2 Diabetes, and the Effect of ECV and T2D on	3
296 295 294	Machine Learning Prediction of Cardiac Resynchronisation Therapy Response From Combination of Clinical and Model-Driven Data 2021, 12, 753282 National networking in rare diseases and reduction of cardiac burden in thalassemia major 2021, Myocardial Extracellular Volume Fraction and T1 Mapping by Cardiac Magnetic Resonance Compared Between Patients With and Without Type 2 Diabetes, and the Effect of ECV and T2D on Cardiovascular Outcomes 2021, 8, 771363 Clinical values of resting electrocardiography in patients with known or suspected chronic coronary	3
296 295 294 293	Machine Learning Prediction of Cardiac Resynchronisation Therapy Response From Combination of Clinical and Model-Driven Data 2021, 12, 753282 National networking in rare diseases and reduction of cardiac burden in thalassemia major 2021, Myocardial Extracellular Volume Fraction and T1 Mapping by Cardiac Magnetic Resonance Compared Between Patients With and Without Type 2 Diabetes, and the Effect of ECV and T2D on Cardiovascular Outcomes 2021, 8, 771363 Clinical values of resting electrocardiography in patients with known or suspected chronic coronary artery disease: a stress perfusion cardiac MRI study 2021, 21, 621 Combined simultaneous FDG-PET/MRI with T1 and T2 mapping as an imaging biomarker for the	1 3 1
296 295 294 293	Machine Learning Prediction of Cardiac Resynchronisation Therapy Response From Combination of Clinical and Model-Driven Data 2021, 12, 753282 National networking in rare diseases and reduction of cardiac burden in thalassemia major 2021, Myocardial Extracellular Volume Fraction and T1 Mapping by Cardiac Magnetic Resonance Compared Between Patients With and Without Type 2 Diabetes, and the Effect of ECV and T2D on Cardiovascular Outcomes 2021, 8, 771363 Clinical values of resting electrocardiography in patients with known or suspected chronic coronary artery disease: a stress perfusion cardiac MRI study 2021, 21, 621 Combined simultaneous FDG-PET/MRI with T1 and T2 mapping as an imaging biomarker for the diagnosis and prognosis of suspected cardiac sarcoidosis 2021, 5, 24 The impact of coronary revascularization on vessel-specific coronary flow capacity and long-term	1 3 1

(2020-2021)

288	Quantitative assessment of intra- and inter-modality deformable image registration of the heart, left ventricle, and thoracic aorta on longitudinal 4D-CT and MR images 2021 ,	1
287	Association of left ventricular systolic dysfunction with coronary artery dilation in Kawasaki disease patients: Assessment with cardiovascular magnetic resonance. 2021 , 145, 110039	o
286	FLORA software: semi-automatic LGE-CMR analysis tool for cardiac lesions identification and characterization 2022 , 1	O
285	MR -specific characteristics of left ventricular noncompaction and dilated cardiomyopathy 2022,	
284	T2* assessment of the three coronary artery territories of the left ventricular wall by different monoexponential truncation methods 2022 , 1	
283	Sonothrombolysis Promotes Improvement in Left Ventricular Wall Motion and Perfusion Scores after Acute Myocardial Infarction 2022 , 118, 756-765	O
282	Catheter Ablation of Ventricular Tachycardia in Dilated-Phase Hypertrophic Cardiomyopathy: Substrate Characterization and Ablation Outcome 2022 ,	1
281	PET imaging of mitochondrial function in acute doxorubicin-induced cardiotoxicity: a proof-of-principle study 2022 , 12, 6122	1
280	Coronary CTA With AI-QCT Interpretation: Comparison With Myocardial Perfusion Imaging for Detection of Obstructive Stenosis UsingInvasive Angiography as Reference Standard 2022 ,	O
279	Reversible myocardial ischaemia caused by ectopic left circumflex coronary artery: a case report 2022 , 6, ytac171	
278	Patient-Specific Inverse Modeling of In Vivo Cardiovascular Mechanics with Medical Image-Derived Kinematics as Input Data: Concepts, Methods, and Applications. 2022 , 12, 3954	0
277	Genetic and environmental determinants of diastolic heart function 2022 , 1, 361-371	O
276	Clinical Utility of a Slow Tl Washout Rate in the Detection of Multi-Vessel Coronary Artery Disease Using a Simultaneous Acquisition Rest Tc/Stress Tl Protocol and a Semiconducting Gamma Camera 2022 ,	O
275	DeepStrain Evidence of Asymptomatic Left Ventricular Diastolic and Systolic Dysfunction in Young Adults With Cardiac Risk Factors 2022 , 9, 831080	
274	Myocardial First-Pass Perfusion With Increased Anatomic Coverage at 3 T Using Autocalibrated Multiband Imaging 2022 ,	0
273	Estimation of Left Ventricular Mechanical Activation Times from Motion-Corrected Cardiac 4DCT Images.	
272	Data_Sheet_1.PDF. 2019 ,	
271	Video_1.MP4. 2020 ,	

270	Video_2.MP4. 2020 ,	
269	Table1.DOCX. 2018 ,	
268	Table2.DOCX. 2018 ,	
267	Table3.DOCX. 2018 ,	
266	DataSheet1.docx. 2018,	
265	Data_Sheet_1.pdf. 2018 ,	
264	Video_1.MOV. 2018 ,	
263	Effects of late, repetitive remote ischaemic conditioning on myocardial strain in patients with acute myocardial infarction 2022 , 117, 23	O
262	The effect of prior COVID-19 infection on coronary microvascular dysfunction 2022, 1-6	0
261	Assessing mental stress on myocardial perfusion and myocardial blood flow in women without obstructive coronary disease: protocol for a mechanistic clinical trial. 2020 , 10, e038362	2
260	Fast-Strain Encoded Cardiac Magnetic Resonance During Vasodilator Perfusion Stress Testing. 2021 , 8, 765961	0
259	Comparison of Myocardial Deformation by Speckle-Tracking Echocardiography and Cardiac Magnetic Resonance in Patients with Fontan Circulation: Diagnostic Algorithm 2021 , 31, 144-150	
258	Impact of percutaneous coronary intervention of chronic total occlusions on absolute perfusion in remote myocardium. 2021 ,	0
257	Single Photon Emission Computed Tomographic Myocardial Perfusion Imaging. 2022, 67-76	
256	Generation of 12-Lead Electrocardiogram with Subject-Specific, Image-Derived Characteristics Using a Conditional Variational Autoencoder. 2022 ,	
255	Clinical and Cardiovascular Magnetic Resonance Predictors of Early and Long-Term Clinical Outcome in Acute Myocarditis 2022 , 9, 886607	2
254	Factors associated with coronary heart disease in COPD patients and controls 2022, 17, e0265682	
253	The Road Toward Reproducibility of Parametric Mapping of the Heart: A Technical Review. 2022 , 9,	Ο

252	Fractal Analysis of Dynamic Stress CT-Perfusion Imaging for Detection of Hemodynamically Relevant Coronary Artery Disease. 2022 ,	0
251	Incidence and Predictors of Atrial Fibrillation in Cardiac Sarcoidosis. 2022,	O
250	COVID-19 Myocarditis: Prognostic Role of Bedside Speckle-Tracking Echocardiography and Association with Total Scar Burden. 2022 , 19, 5898	2
249	The effect of coronavirus disease 2019 pneumonia on myocardial ischemia detected by single-photon emission computed tomography myocardial perfusion imaging 2022 ,	
248	Prognostic Value of Stress CMR in Symptomatic Patients With Coronary Stenosis on CCTA. 2022,	0
247	Development and validation of ischemia risk scores 2022 , 1	О
246	Regional Strain Score as Prognostic Marker of Cardiovascular Events From the Multi-Ethnic Study of Atherosclerosis (MESA). 2022 , 9,	
245	Left Ventricular Systolic Function. 2016 , 113-138	1
244	Stress Echocardiography for Coronary Ischemia. 2017 , 218-242	
243	Cross-granularity multi-task network for ischemia diagnosis and defect detection in the myocardial perfusion imaging. 2022 , 108877	
242	Multiparametric Cardiac Magnetic Resonance Imaging Detects Altered Myocardial Tissue and Function in Heart Transplantation Recipients Monitored for Cardiac Allograft Vasculopathy. 30,	1
241	The role of cardiac biomarkers and epicardial fat in the diagnosis of heart failure in patients with various types of atrial fibrillation. 2022 , 27, 4882	1
240	Simple Predictors for Cardiac Fibrosis in Patients with Type 2 Diabetes Mellitus: The Role of Circulating Biomarkers and Pulse Wave Velocity. 2022 , 11, 2843	1
239	Myofiber reconstruction at micron scale reveals longitudinal bands in heart ventricular walls.	
238	Murine cardiac fibrosis localization using adaptive Bayesian cardiac strain imaging in vivo. 2022, 12,	O
237	Assessment of the relationship between regional wall motion abnormality score revealed by parametric imaging and the extent of LGE with CMR. 2022 ,	
236	A multisystem, cardio-renal investigation of post-COVID-19 illness.	О
235	Effectiveness of Iodine-123 I-methyl-P-iodophenyl-pentadecanoic acid (BMIPP) Myocardial Scintigraphy for Cancer Therapeutics-Related Cardiac Dysfunction (CTRCD) in Breast Cancer Patients. 2022 ,	

234	Anatomy of the coronary sinus with regard to cardiac resynchronization therapy implantation.	0
233	The effects of geometry on stiffness measurements in high-field magnetic resonance elastography: A study on rodent cardiac phantoms. 2022 , 105302	
232	Unshielded Magnetocardiography in Clinical Practice: Detection of Myocardial Damage in CAD Patients and in Patients Recovered from COVID-19.	
231	Prognostic Value of Left Atrial Reservoir Strain in Left Ventricular Myocardial Noncompaction: A 3.0 T Cardiac Magnetic Resonance Feature Tracking Study.	O
230	Functional stress imaging to predict abnormal coronary fractional flow reserve: the PACIFIC 2 study.	0
229	The utility of cardiac magnetic resonance imaging in the diagnosis of adult patients with acute myocarditis: A systematic review and meta-analysis. 2022 ,	O
228	Non-Invasive Imaging in Coronary Syndromes: Recommendations of The European Association of Cardiovascular Imaging and the American Society of Echocardiography, in Collaboration with The American Society of Nuclear Cardiology, Society of Cardiovascular Computed Tomography, and Society for Cardiovascular Magnetic Resonance. 2022,	0
227	A novel technique to quantify aortic valve annulus deformation: A pilot study.	O
226	Pathophysiology of LV Remodeling Following STEMI. 2022,	O
225	Relationship between pancreatic iron overload, glucose metabolism and cardiac complications in sickle cell disease: an Italian multicenter study	
224	A model combining rest-only ECG-gated SPECT myocardial perfusion imaging and cardiovascular risk factors can effectively predict obstructive coronary artery disease. 2022 , 22,	
223	Free-breathing, non- ECG , simultaneous myocardial T 1 , T 2 , T 2 *, and fat-fraction mapping with motion-resolved cardiovascular MR multitasking.	O
222	Hipertrofik kardiyomiyopati hastalarñda atriyal fibrilasyon gelilmini liglimede kardiyak manyetik rezonans glilitlemenin rolli 2022 , 47, 811-819	
221	Regional left ventricular endocardial strains estimated from low-dose 4DCT: comparison with cardiac magnetic resonance feature tracking.	O
220	A Self-Supervised Deep Learning Reconstruction for Shortening the Breathhold and Acquisition Window in Cardiac Magnetic Resonance Fingerprinting. 9,	1
219	Machine learning to predict abnormal myocardial perfusion from pre-test features.	O
218	Quantitative evaluation of segmentation accuracy of subsegmental infarcts using 2DSTE and synthetic ultrasonic data in a spheroidal model of the left ventricle. 2022 , 78, 103880	
217	Direct Clinical Effects of Cardiac Radioablation in the Treatment of a Patient With Therapy-Refractory Ventricular Tachycardia Storm. 2022 , 7, 100992	Ο

216	Analysis of myocardial infarction in CMR images using hybrid level set based segmentation and regional ventricle contractility analysis. 2022 ,	
215	Gender Differences in Knowledge and Perception of Cardiovascular Disease among Italian Thalassemia Major Patients. 2022 , 11, 3736	
214	Anthropomorphic cardiac phantom for dynamic SPECT.	О
213	Phantom-based correction for standardization of myocardial native T1 and extracellular volume fraction in healthy subjects at 3-Tesla cardiac magnetic resonance imaging.	O
212	Metabolic Syndrome Is Associated With Impaired Insulin-Stimulated Myocardial Glucose Metabolic Rate in Individuals With Type 2 Diabetes: A Cardiac Dynamic 18F-FDG-PET Study. 9,	1
211	Feasibility of an ultra-low dose contrast media protocol for coronary CT angiography. 2022,	О
210	Left ventricular remodeling following septal myectomy in hypertrophic obstructive cardiomyopathy. 2022 ,	
209	Clinical features and prognosis of isolated cardiac sarcoidosis diagnosed using new guidelines with dedicated FDG PET/CT.	O
208	Serial Changes in Coronary Plaque Formation Using CT Angiography in Patients Undergoing PCSK9-Inhibitor Therapy With 1-year Follow-up. Publish Ahead of Print,	
207	Valor PrognEstico da Imagem de Ressonficia Magntica Cardfica de Perfuső em Estresse com Adenosina em Idosos com Doenfi Arterial Coronariana Conhecida ou Suspeita. 2022 , 119, 97-106	O
206	Association of the extent of myocardial ischemia with outcomes in patients with suspected coronary artery disease in Japan. 2022 ,	
205	Machine-Learning Score Using Stress CMR for Death Prediction in Patients With Suspected or Known CAD. 2022 ,	O
204	Risk stratification of patients with cardiac sarcoidosis: the ILLUMINATE-CS registry.	1
203	The value of cardiac sympathetic activity and mechanical dyssynchrony as cardiac resynchronization therapy response predictors: comparison between patients with ischemic and non-ischemic heart failure.	O
202	Frequency, pattern, and associations of renal iron accumulation in sickle/Dthalassemia patients.	
201	Hemodynamic Response and Safety of Vasodilator Stress Cardiovascular Magnetic Resonance in Patients with Permanent Pacemakers or Implantable Cardioverter-Defibrillators.	O
200	SCMR expert consensus statement for cardiovascular magnetic resonance of acquired and non-structural pediatric heart disease. 2022 , 24,	1
199	Myocardial Blood Flow and Flow Reserve in Patients With Acute Myocardial Infarction and Obstructive and Non-Obstructive Coronary Arteries: CZT SPECT Study. 2,	O

198	Evaluation of Right Ventricular Function and Myocardial Microstructure in Fetal Hypoplastic Left Heart Syndrome. 2022 , 11, 4456	О
197	A head-to-head comparison of myocardial strain by fast-strain encoding and feature tracking imaging in acute myocardial infarction. 9,	O
196	Regional Left Ventricular Fiber Stress Analysis for Cardiac Resynchronization Therapy Response.	
195	Extracellular volume fraction improves risk-stratification for ventricular arrhythmias and sudden death in non-ischaemic cardiomyopathy.	o
194	Characteristics and Prognostic Relevance of Ventricular Arrhythmia in Patients with Myocarditis. 2022 , 9, 243	
193	Correlation of exit sites of inducible ventricular tachycardia post- ST elevation myocardial infarction on electrophysiology study, with region of infarct.	
192	Value of rest 18F-FDG myocardial imaging in the diagnosis of obstructive coronary artery disease in Chinese patients with suspected unstable angina: A prospective real-world clinical study.	
191	Reduced Circumferential Strain in Athletes with Prior COVID-19. 2022 , 4,	
190	High-risk Coronary Plaque Regression in Cash-based Contingency Management Intervention Among Cocaine Users With HIV-associated Subclinical Coronary Atherosclerosis. Publish Ahead of Print,	
189	The relationship between myocardial perfusion scanning results, C-reactive protein to albumin ratio, systemic inflammatory response index and coronary angiographic findings. 2022 , 19, 48-52	
188	Left anterior fascicular block is associated with increased non-ischemic myocardial scar burden and a proportionately decreased ejection fraction.	
187	Can blood inflammation markers predict the severity of ischemia at myocardial perfusion scintigraphy. 2022 ,	
186	Diagnostic performance of 3D cardiac magnetic resonance perfusion in elderly patients for the detection of coronary artery disease as compared to fractional flow reserve.	О
185	Pilot tone-based prospective correction of respiratory motion for free-breathing myocardial T1 mapping.	
184	Myocardial scar detection in free-breathing Dixon-based fat- and water-separated 3D inversion recovery late-gadolinium enhancement whole heart MRI.	
183	Correlation of MRI premature ventricular contraction activation pattern in bigeminy with electrophysiology study-confirmed site of origin.	
182	Left ventricular global function index is associated with myocardial iron overload and heart failure in thalassemia major patients.	
181	Optimal cut-off value for endocardial bipolar voltage mapping using a multipoint mapping catheter to characterize the scar regions described in cardioâl with myocardial thinning.	O

180	Hyperventilation strain CMR imaging in patients with acute chest pain. 2022, 12,	O
179	Biventricular strain assessment indicates progressive impairment of myocardial contractility in phenotypically negative patients with Fabryâld disease. 2022 , 155, 110471	
178	An ECG generative model of myocardial infarction. 2022 , 225, 107062	
177	Importance of plaque volume and composition for the prediction of myocardial ischaemia using sequential coronary computed tomography angiography/positron emission tomography imaging.	1
176	Fully Automated Regional Analysis of Myocardial T2* Values for Iron Quantification Using Deep Learning. 2022 , 11, 2749	1
175	Hybrid Cardiac Imaging for the Specialist with Expertise in Computed Tomography. 2022 , 75-91	O
174	End-to-End Myocardial Infarction Classification from Echocardiographic Scans. 2022, 54-63	О
173	Clinical outcomes and characteristics of acute myocardial infarction patients with developing fever after percutaneous coronary intervention. 2022 , 19, 46-56	O
172	Comprehensive Cardiac Magnetic Resonance to Detect Subacute Myocarditis. 2022, 11, 5113	О
171	Technical Considerations for Dynamic Myocardial Computed Tomography Perfusion as Part of a Comprehensive Evaluation of Coronary Artery Disease Using Computed Tomography. Publish Ahead of Print,	o
170	Using Multiparametric Cardiac Magnetic Resonance to Phenotype and Differentiate Biopsy-Proven Chronic from Healed Myocarditis and Dilated Cardiomyopathy. 2022 , 11, 5047	О
169	Reducing cardiac implantable electronic deviceâſhduced artefacts in cardiac magnetic resonance imaging.	O
168	Cardiac Magnetic Resonance in the Evaluation of Patients With Frequent Premature Ventricular Complexes. 2022 , 8, 1122-1132	О
167	PRE-OPerative ECHOcardiograhy for prevention of cardiovascular events after non-cardiac surgery in intermediate- and high-risk patients: protocol for a low-interventional, mixed-cohort prospective study design (PREOP-ECHO). 2022 , 23,	0
166	Incidence of Sudden Cardiac Death and Life-Threatening Arrhythmias in Clinically Manifest Cardiac Sarcoidosis With and Without Current Indications for an Implantable Cardioverter Defibrillator. 2022 , 146, 964-975	2
165	Cardiac magnetic resonance imaging before and after therapeutic interventions for systemic sclerosis-associated myocarditis.	o
164	Polar map-free 3D deep learning algorithm to predict obstructive coronary artery disease with myocardial perfusion CZT-SPECT.	О
163	Additional prognostic value of stress cardiovascular magnetic resonance for cardiovascular risk stratification after a cryptogenic ischemic stroke. 9,	0

162	Ventricular Arrhythmia Substrate Distribution and Its Relation to Sympathetic Innervation in Nonischemic Cardiomyopathy Patients. 2022 ,	0
161	Impact of Sex and Cardiovascular Risk Factors on Myocardial T1, Extracellular Volume Fraction, and T2 at 3 Tesla: Results From the Population-Based, Hamburg City Health Study. 2022 , 15,	1
160	Deep Learning for Explainable Estimation of Mortality Risk From Myocardial Positron Emission Tomography Images. 2022 , 15,	2
159	Assessment of Cardiac, Vascular, and Pulmonary Pathobiology In Vivo During Acute COVID-19. 2022 , 11,	Ο
158	Stereotactic Radioablation for Ventricular Tachycardia in the Setting of Electrical Storm. 2022, 15,	1
157	Bi-ventricular assessment with cardiovascular magnetic resonance at 5 Tesla: A pilot study. 9,	O
156	Association between coronary plaque volume and myocardial ischemia detected by dynamic perfusion CT imaging. 9,	О
155	Tortuosidade das Artfias Coronfias como um Novo Fenítipo para Isquemia sem Doenía Arterial Coronariana. 2022 ,	O
154	A Multimodality Myocardial Perfusion Phantom: Initial Quantitative Imaging Results. 2022, 9, 436	O
153	Increased myocardial extracellular volume is associated with myocardial iron overload and heart failure in thalassemia major.	O
152	Different characteristics of apical aneurysm in hypertrophic cardiomyopathy are related to difference in long-term prognosis. 2022 ,	О
151	Non-invasive estimation of QLV from the standard 12-lead ECG in patients with left bundle branch block. 13,	O
150	Cardiac Magnetic Resonance Feature Tracking Global and Segmental Strain in Acute and Chronic ST-elevation Myocardial Infarction.	О
149	The myocardial flow reserve in patients with heart failure with preserved ejection fraction.	O
148	Impact of coronary bifurcation angle on computed tomography derived fractional flow reserve in coronary vessels with no apparent coronary artery disease.	О
147	CMRSegTools: An open-source software enabling reproducible research in segmentation of acute myocardial infarct in CMR images. 2022 , 17, e0274491	O
146	Coronary Morphological Features in Women With Non-ST-Segment Elevation MINOCA and MI-CAD as Assessed by OCT.	1
145	Differentiating typical Tako-tsubo syndrome from extensive anterior STEMI: Look behind the anterior wall.	O

144	Visual recognition of cardiac pathology based on 3D parametric model reconstruction. 2022 , 23, 1324-1337	O
143	TRoponin of Unknown origin in STroke evaluated by multi-component cardiac Magnetic resonance Imaging âlThe TRUST-MI study. 9,	O
142	Artificial Intelligence for Contrast-free MRI: Scar Assessment in Myocardial Infarction Using Deep Learning-based Virtual Native Enhancement (VNE).	2
141	Quantitative T2* MRI for bone marrow iron overload: normal reference values and assessment in thalassemia major patients.	O
140	Free-running 3D whole-heart T 1 and T 2 mapping and cine MRI using low-rank reconstruction with non-rigid cardiac motion correction.	0
139	Novel color M-mode echocardiography for non-invasive assessment of the intraventricular pressure in goats: Feasibility, repeatability, and the effect of sedation. 9,	О
138	Environmental and genetic predictors of human cardiovascular ageing.	O
137	Mitigating bias in deep learning for diagnosis of coronary artery disease from myocardial perfusion SPECT images.	О
136	Native T1 mapping detects both acute clinical rejection and graft dysfunction in pediatric heart transplant patients. 2022 , 24,	0
135	Analysis of Three-Dimensional Scar Architecture and Conducting Channels by High-Resolution Contrast-Enhanced Cardiac Magnetic Resonance Imaging in Chagas Heart Disease. 55,	О
134	A 2.5D Coarse-to-Fine Framework for 3D Cardiac CT View Planning. 2022 , 376-387	0
133	Value of myocardial deformation parameters for detecting significant coronary artery disease. 2022 , 14, 180-190	O
132	Cardiovascular magnetic resonance phenotyping of heart failure with mildly reduced ejection fraction.	O
131	Left Ventricular Myocardial and Cavity Velocity Disturbances Are Powerful Predictors of Significant Coronary Artery Stenosis. 2022 , 11, 6185	О
130	Prognostic Value of Right Ventricular Function in Patients With Suspected Myocarditis Undergoing Cardiac Magnetic Resonance. 2022 ,	O
129	Comparison of Three Ultrasmall, Superparamagnetic Iron Oxide Nanoparticles for MRI at 3. 0 T.	O
128	Quantitative myocardial perfusion during stress using CMR is impaired in healthy Middle Eastern immigrants without CV risk factors. 2022 , 12,	0
127	Clustering of patients with inconclusive non-invasive stress testing referred for vasodilator stress cardiovascular magnetic resonance. 2022 ,	O

126	Mitral Annular Disjunction Assessed Using CMR Imaging. 2022,	0
125	Prevalence and Disease Expression of Pathogenic and Likely Pathogenic Variants Associated With Inherited Cardiomyopathies in the General Population.	O
124	3D model-based super-resolution motion-corrected cardiac T1 mapping.	0
123	Potential clinical utility of 68Ga-DOTATATE PET/CT for detection and response assessment in cardiac sarcoidosis.	O
122	Impact of late gadolinium enhancement extent, location, and pattern on ventricular tachycardia and major adverse cardiac events in patients with ischemic vs. non-ischemic cardiomyopathy. 9,	О
121	Ischfhische Herzkrankheit. 2022 , 62, 960-970	O
120	Iodine-123 I-methyl-P-iodophenyl-pentadecanoic Acid (123I-BMIPP) Myocardial Scintigraphy for Breast Cancer Patients and Possible Early Signs of Cancer-Therapeutics-Related Cardiac Dysfunction (CTRCD). 2022 , 8, 296	0
119	Safety, feasibility, and prognostic value of stress perfusion CMR in patients with MR-conditional pacemaker.	O
118	Early detection of myocardial fibrosis in cardiomyopathy in the absence of late enhancement: role of T1 mapping and extracellular volume analysis.	0
117	Direct Risk Assessment From Myocardial Perfusion Imaging Using Explainable Deep Learning. 2022,	1
116	Cardiac magnetic resonance imaging in patients with left bundle branch block: Patterns of dyssynchrony and implications for late gadolinium enhancement imaging. 9,	О
115	Tayside Screening For Cardiac Events (TASCFORCE) study: a prospective cardiovascular risk screening study. 2022 , 12, e063594	Ο
114	SOdium-glucose CO-transporter inhibition in patients with newly detected Glucose Abnormalities and a recent Myocardial Infarction (SOCOGAMI). 2022 , 110141	0
113	JCS 2021 Guideline on the Clinical Application of Echocardiography. 2022 ,	2
112	Role of collateral flow in infarct border zone extent and contractile function in patients with chronic coronary total occlusion. 2022 , 157, 110565	0
111	Estimation of Cardiac Short Axis Slice Levels with a Cascaded Deep Convolutional and Recurrent Neural Network Model. 2022 , 8, 2749-2760	O
110	Incorporating coronary artery calcium scoring in the prediction of obstructive coronary artery disease with myocardial ischemia: a study with sequential use of coronary computed tomography angiography and positron emission tomography imaging.	О
109	Influence of fasting plasma glucose-lowering rate on BNP levels in type 2 diabetes mellitus patients with coronary microcirculation dysfunction.	O

108	Prevalence of cirrhotic cardiomyopathy according to different diagnostic criteria. Alterations in ultrasonographic parameters of both left and right ventricles before and after stress.	O
107	Right Ventricular Remodeling Assessed by MRI in Duchenne Muscular Dystrophy.	Ο
106	Prediction of outcome by 82Rb PET/CT in patients with ischemia and nonobstructive coronary arteries.	О
105	Myocardial Perfusion SPECT Imaging Radiomic Features and Machine Learning Algorithms for Cardiac Contractile Pattern Recognition.	O
104	Cardiac magnetic resonance follow-up of COVID-19 vaccine associated acute myocarditis. 9,	0
103	Fractional myocardial blood volume by ferumoxytol-enhanced MRI : Estimation of ischemic burden.	O
102	Impact of T2DM on right ventricular systolic dysfunction and interventricular interactions in patients with essential hypertension: evaluation using CMR tissue tracking. 2022 , 21,	0
101	Cardiac MR fingerprinting with a short acquisition window in consecutive patients referred for clinical CMR and healthy volunteers. 2022 , 12,	Ο
100	Model-based analysis of myocardial strains in left bundle branch block. 8,	0
99	Adenosine triphosphate (ATP): a safe and effective vasodilator for stress perfusion cardiac magnetic resonance imaging. 2022 ,	Ο
98	Impairment in quantitative microvascular function in non-ischemic cardiomyopathy as demonstrated using cardiovascular magnetic resonance. 2022 , 17, e0264454	0
97	Three-dimensional Whole-Heart Cardiac MRI Sequence for Measuring Trabeculation in Left Ventricular Noncompaction. 2022 , 4,	O
96	Co-attention spatial transformer network for unsupervised motion tracking and cardiac strain analysis in 3D echocardiography. 2023 , 84, 102711	O
95	Role of myocardial deformation imaging in transfusion-dependent thalassemiaâ l orrelation with severity of myocardial siderosis. 2023 , 68, 101607	O
94	Hypermethylation of ACADVL is involved in high-intensity interval training-associated reduction of cardiac fibrosis in heart failure patients.	0
93	Evaluation of myocardial viability in patients with myocardial ischemia reperfusion injury using the dual-energy CT myocardial blood pool imaging.	O
92	Scar imaging in the dyssynchronous left ventricle: Accuracy of myocardial metabolism by positron emission tomography and function by echocardiographic strain. 2022 ,	0
91	Effect of Infarct Location and Size on Left Atrial Function: A Cardiovascular Magnetic Resonance Feature Tracking Study. 2022 , 11, 6938	Ο

90	Coronary angiography using spectral detector dual-energy CT: is it the time to assess myocardial first-pass perfusion?. 2022 , 6,	1
89	A Modified Fuzzy Inference Rule-Based Model for 3D Speckle Tracking.	O
88	Role of cardiac magnetic resonance in the differential diagnosis between arrhythmogenic cardiomyopathy with left ventricular involvement and previous infectious myocarditis 2022 ,	0
87	Subclinical dysfunction of remote myocardium is related to high NT-proBNP and affects global contractility at follow-up, independently of infarct area. 9,	O
86	3-Dimensional Strain Analysis of Hypertrophic Cardiomyopathy. 2022,	O
85	Electrocardiographic imaging demonstrates electrical synchrony improvement by dynamic atrioventricular delays in patients with left bundle branch block and preserved atrioventricular conduction.	O
84	Native T1 high region and left ventricular ejection fraction recovery in patients with dilated cardiomyopathy.	0
83	Excimer laser coronary angioplasty versus manual aspiration thrombectomy in patients with ST-segment elevation myocardial infarction: analyzed by nuclear scintigraphy.	O
82	AI-AIF: artificial intelligence-based arterial input function for quantitative stress perfusion cardiac magnetic resonance.	O
81	Cardiac Magnetic Resonance Findings in Patients Recovered from COVID-19 Pneumonia and Presenting with Persistent Cardiac Symptoms: The TRICITY-CMR Trial. 2022 , 11, 1848	O
80	Patient Selection and Clinical Indication for Chronic Total Occlusion Revascularizationâ Workflow Focusing on Non-Invasive Cardiac Imaging. 2023 , 13, 4	O
79	Comparing the findings and diagnostic sensitivity of cardiovascular magnetic resonance in biopsy confirmed acute myocarditis with infarct-like vs. heart failure presentation. 2022 , 24,	1
78	Prognostic value of multiparametric cardiac magnetic resonance in sickle cell patients.	O
77	Relationships between indicators of prothrombotic activity and coronary microvascular dysfunction in patients with myocardial infarction with obstructive and non-obstructive coronary artery disease. 2022 , 22,	O
76	Coronary Wave Intensity Analysis as an Invasive and Vessel-Specific Index of Myocardial Viability. 2022 , 15,	O
75	Clinical and imaging characteristics of cardiac magnetic resonance presenting with myocardial infarction with non-obstructive coronary arteries in China. 2022 , 17,	O
74	Quality Assurance Process for the Fusion of Electroanatomical Mapping and Radiotherapy Planning Imaging Data in Cardiac Radioablation. 2022 ,	О
73	The value of regional and global CACS combined with SPECT MPI in detecting obstructive CAD: a retrospective real-world comparative study. 2023 , 23,	O

72	Negative Predictive Value and Prognostic Associations of Rb-82 PET/CT with Myocardial Blood Flow in CAV. 2023 ,	0
71	Subclinical Systemic Sclerosis Primary Heart Involvement by Cardiovascular Magnetic Resonance Shows No Significant Interval Change.	O
70	Cardiac magnetic resonance in giant cell myocarditis: a matched comparison with cardiac sarcoidosis.	0
69	Left ventricular global function index is associated with myocardial iron overload and heart failure in thalassemia major patients.	O
68	Maximizing QRS duration reduction in contemporary cardiac resynchronization therapy is feasible and shorter QRS duration is associated with better clinical outcome.	O
67	ROLE OF STRESS CARDIAC MRI IN THE EVALUATION OF SUSPECTED CORONARY ARTERY DISEASE 2022 , 1-4	O
66	Anatomy of the mitral valve relative to controversies concerning the so-called annular disjunction. heart	inl-202 <u>@</u> -322043
65	Cardiac magnetic resonance feature tracking global and segmental strain in acute and chronic ST-elevation myocardial infarction. 2022 , 12,	O
64	ASSESSMENT OF PATIENTS WITH KNOWN CORONARY ARTERY DISEASE BY STRESS CARDIAC MRI 2022 , 5-8	0
63	Warranty period of coronary computed tomography angiography and [150]H2O positron emission tomography in symptomatic patients.	O
62	Heart failure with preserved ejection fraction: the role of microvascular dysfunction. 2023, 21, 88-97	0
61	COVID-19 Associated Fulminant Myocarditis in a Fully-Vaccinated Female: A Case Report with Clinical Follow-up. 2023 , 16, 117954762211472	O
60	GMCNet: A Generative Multi-Resolution Framework for Cardiac Registration. 2023, 11, 8185-8198	0
59	Practical application of non-invasive left ventricular functional parameters in diagnosis of stable coronary artery disease. 2023 , 16, 12	O
58	Usefulness of postsystolic shortening and early systolic lengthening to detect reduced myocardial viability and predict future cardiovascular events in ST-segment elevation myocardial infarction.	O
57	Software-based analysis for computed tomography coronary angiography: current status and future aspects. 2023 , 81-100	O
56	Additional value of T1 and T2 mapping techniques for early detection of myocardial involvement in scleroderma. 2023 ,	О
55	Pulmonary transit time of cardiovascular magnetic resonance perfusion scans for quantification of cardiopulmonary haemodynamics.	O

54	Relationship of mild to moderate impairment of left ventricular ejection fraction with fatal ventricular arrhythmic events in cardiac sarcoidosis.	O
53	Cardiac Magnetic Resonance Strain in Beta Thalassemia Major Correlates with Cardiac Iron Overload. 2023 , 10, 271	O
52	Association of Coronary Computed Tomography Angiography and Stress Echocardiography with Long-Term Cardiac Outcome: A Comparison Study. 2023 , 12, 903	0
51	A wearable cardiac ultrasound imager. 2023 , 613, 667-675	1
50	Diagnostic accuracy for CZT gamma camera compared to conventional gamma camera technique with myocardial perfusion single-photon emission computed tomography: Assessment of myocardial infarction and function.	О
49	Patient-Specific Study of Post-Ischemic Cardiac Ventricular Remodeling: A Passive Simulation of Structural Changes in Myofiber Orientation and Stiffness. 2022 ,	O
48	Inward Displacement: A Novel Method of Regional Left Ventricular Functional Assessment for Left Ventriculoplasty Interventions in Heart Failure with Reduced Ejection Fraction (HFrEF). 2023 , 12, 1997	0
47	AI-Based Fully Automated Left Atrioventricular Coupling Index as a Prognostic Marker in Patients Undergoing Stress CMR. 2023 ,	O
46	Automated tissue Doppler imaging for identification of occluded coronary artery in patients with suspected non-ST-elevation myocardial infarction. 2023 , 39, 757-766	0
45	Transcoronary electrophysiological parameters in patients undergoing elective and acute coronary intervention. 2023 , 18, e0281374	O
44	MRI Investigation of the Differential Impact of Left Ventricular Ejection Fraction After Myocardial Infarction in Elderly vs. Nonelderly Patients to Predict Readmission for Heart Failure.	0
43	Replacement substance P reduces cardiac fibrosis in monkeys with type 2 diabetes. 2023 , 160, 114365	O
42	Insights into Insulin Resistance and Calcification in the Myocardium in Type 2 Diabetes: A Coronary Artery Analysis. 2023 , 24, 3250	0
41	Reference ventricular dimensions and function parameters by cardiovascular magnetic resonance in highly trained Caucasian athletes. 2023 , 25,	O
40	A deep learning-based fully automatic and clinical-ready framework for regional myocardial segmentation and myocardial ischemia evaluation.	O
39	Late gadolinium enhancement and the risk of ventricular arrhythmias and sudden death in NYHA class I patients with non-ischaemic cardiomyopathy.	0
38	Localized strain characterization of cardiomyopathy in Duchenne muscular dystrophy using novel 4D kinematic analysis of cine cardiovascular magnetic resonance. 2023 , 25,	О
37	Cardiovascular Magnetic Resonance Demonstrates Myocardial Inflammation of Differing Etiologies and Acuities in Patients with Genetic and Inflammatory Myopathies. 2023 , 12, 1575	O

36	Regional CZT myocardial perfusion reserve for the detection of territories with simultaneously impaired CFR and IMR in patients without obstructive coronary artery disease: a pilot study.	О
35	The association of catestatin and endocan with the effects of cardiac shock wave therapy: Biomarker sub-study of the randomized, sham procedure-controlled trial. 10,	O
34	Association between ECG parameters and late gadolinium enhancement along the course of myocarditis.	0
33	Low-rank motion correction for accelerated free-breathing first-pass myocardial perfusion imaging.	O
32	Magnetic resonance imaging reference values for cardiac morphology, function and tissue composition in adolescents. 2023 , 57, 101885	О
31	The Role of T1 and T2 Mapping on Cardiovascular Magnetic Resonance Imaging in Sudden Cardiac Arrest Survivors.	O
30	Interobserver Variability in Target Definition for Stereotactic Arrhythmia Radioablation.	О
29	The Value of Left Ventricular Mechanical Dyssynchrony and Scar Burden in the Combined Assessment of Factors Associated with Cardiac Resynchronization Therapy Response in Patients with CRT-D. 2023 , 12, 2120	O
28	Myocardial Inflammation at FDG PET/MRI and Clinical Outcomes in Symptomatic and Asymptomatic Participants after COVID-19 Vaccination. 2023 , 5,	О
27	Hypermethylation of ACADVL is involved in the high-intensity interval training-associated reduction of cardiac fibrosis in heart failure patients. 2023 , 21,	O
26	The Role and Advantages of Cardiac Magnetic Resonance in the Diagnosis of Myocardial Ischemia. Publish Ahead of Print,	О
25	Quantitative Image Processing for Three-Dimensional Episcopic Images of Biological Structures: Current State and Future Directions. 2023 , 11, 909	O
24	Prognostic value of summed motion score assessed by gated SPECT myocardial perfusion imaging in patients with dilated cardiomyopathy. 10,	О
23	Left Ventricle Detection from Cardiac Magnetic Resonance Relaxometry Images Using Visual Transformer. 2023 , 23, 3321	O
22	Radionuclide Imaging (Cardiac). 2013 , 91-110	О
21	Cardiac Anatomy on Coronary Angiography. 2013 , 232-247	O
20	Comparative Anatomy. 2013 , 267-276	О
19	Revisiting how we perform late gadolinium enhancement CMR: insights gleaned over 25 years of clinical practice. 2023 , 25,	O

18	Estimation of left ventricular activation sequence in patients with heart failure using two-dimensional speckle tracking echocardiography.	0
17	Cardiac magnetic resonance feature tracking myocardial strain analysis in suspected acute myocarditis: diagnostic value and association with severity of myocardial injury. 2023 , 23,	О
16	Biomechanical mapping with ultrasound and magnetic resonance imaging. 2023, 65-118	0
15	MyoPS: A benchmark of myocardial pathology segmentation combining three-sequence cardiac magnetic resonance images. 2023 , 87, 102808	o
14	Left ventricular morphologic progression in apical hypertrophic cardiomyopathy. 2023,	0
13	Quantification of myocardial blood flow using dynamic myocardial CT perfusion compared with 82Rb PET. 2023 ,	O
12	Dynamic myocardial perfusion computed tomography with mental stress test to detect changes in myocardial microcirculation in patients with anxiety and no obstructive coronary artery disease.	O
11	The value of myocardial work in the estimation of left ventricular systolic function in patients with coronary microvascular disease: A study based on adenosine stress echocardiography. 10,	O
10	CT Coronary Angiography and Dynamic CT Myocardial Perfusion for Detection of Cardiac Allograft Vasculopathy. 2023 ,	0
9	Role of cardiac magnetic resonance imaging and troponin-T in definitive diagnosis of Myocardial Infarction with Non-obstructive Coronary Arteries (MINOCA). 2023 ,	О
8	Real-time three dimensional tte in quantification of left ventricular dyssynchrony. 2023, 10, 14-24	0
7	Coronary Microvascular Dysfunction: Features and Prognostic Value. 2023 , 12, 2964	О
6	Epicardial electrical heterogeneity after amiodarone treatment increases vulnerability to ventricular arrhythmias under therapeutic hypothermia. 2023 , 18, e0282943	0
5	Long-term effectiveness of enzyme replacement therapy in Fabry disease with the p.Arg227Ter variant: Fabry disease in Ostrobothnia (FAST) study.	O
4	Carimas: An Extensive Medical Imaging Data Processing Tool for Research.	0
3	Relationship between diffuse fibrosis assessed by CMR and depressed myocardial strain in different stages of heart failure. 2023 , 164, 110848	o
2	PET/MRI Assessment of Acute Cardiac Inflammation 1 Month After Left-Sided Breast Cancer Radiation Therapy. 264960	О
1	Assessment of Myocardial Viability and Risk Stratification in Coronary Chronic Total Occlusion: A Qualitative and Quantitative Stress Cardiac MRI Study.	O