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Physiologic basis for assessing critical coronary stenosis. Instantaneous flow response and regional distribution during coronary hyperemia as measures of coronary flow reserve

DOI: 10.1016/0002-9149(74)90743-7
American Journal of Cardiology, 1974, 33, 87-94.

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#	Paper	IF	Citations
1357	Effects of coronary stenoses on coronary flow reserve and resistance. <i>American Journal of Cardiology</i> , 1974 , 34, 48-55	3	687
1356	Method for assessing stress-induced regional malperfusion during coronary arteriography. Experimental validation and clinical application. <i>American Journal of Cardiology</i> , 1974 , 34, 557-64	3	69
1355	Quantitative evaluation of coronary perfusion in man. 1975 , 1, 349-60		13
1354	Compensatory changes of the distal coronary vascular bed during progressive coronary constriction. 1975 , 51, 1085-94		213
1353	Noninvasive detection of regional myocardial ischemia using rubidium-81 and the scintillation camera: comparison with stress electrocardiography in patients with arteriographically documented coronary stenosis. 1975 , 52, 619-26		72
1352	Pharmacoangiographic evaluation of the hemodynamic significance of coronary artery stenoses. 1975 , 117, 5-10		3
1351	Mechanism of the effect of coronary artery stenosis on coronary flow in the dog. 1975 , 89, 60-7		73
1350	Myocardial perfusion imaging with 99m-Tc or 113m-In macroaggregated albumin: correlation of the perfusion image with clinical, angiographic, surgical, and histologic findings. 1975 , 89, 708-15		30
1349	Myocardial imaging with indium- 113m- and technetium-99m-macroaggregated albumin. New procedure for identification of stress-induced regional ischemia. <i>American Journal of Cardiology</i> , 1975 , 35, 380-9	3	39
1348	Radionuclides and the patient with coronary artery disease. <i>American Journal of Cardiology</i> , 1975 , 35, 112-5	3	11
1347	Effect of direct revascularization surgery on coronary collateral circulation in man. <i>American Journal of Cardiology</i> , 1975 , 36, 734-8	3	14
1346	Phasic coronary flow: intraoperative evaluation of flow distribution, myocardial function, and reactive hyperemic response. 1976 , 21, 397-404		27
1345	Chest pain as a predictor of coronary artery disease in patients with obstructive aortic valve disease. <i>American Journal of Cardiology</i> , 1976 , 38, 863-9	3	43
1344	Studies of regional myocardial blood flow: results in patients with left anterior descending coronary artery disease. 1976 , 6, 279-303		10
1343	Comparison of selective left ventriculograms with levophase ("forward") ventriculograms in patients with coronary artery disease. 1976 , 91, 721-5		9
1342	The Impact of Nuclear Medicine on the Diagnosis and Management of Cardiovascular Disease. 1976 , 23, 1237-1242		0
1341	Effect of collateral and peripheral resistance on blood flow through arterial stenoses. 1976 , 9, 367-75		22

1340	Myocardial Blood Flow: Roentgen Videodensitometry Techniques. 1976,		4
1339	Coronary blood flow in man. 1976, 19, 117-66		163
1338	The significance of early changes of positive and negative dP/dt following contrast ventriculography. 1976, 2, 337-45		1
1337	Regional myocardial perfusion during atrial pacing in patients with coronary artery disease. 1976, 53, 807-19		50
1336	Distribution of myocardial blood flow in the exercising dog with restricted coronary artery inflow. 1976, 38, 60-6		106
1335	Medical therapy of acute myocardial infarction by application of hemodynamic subsets (second of two parts). 1976, 295, 1404-13		223
1334	Pharmacangiographic manipulation of renal collateral blood flow. 1976, 54, 328-34		15
1333	The relationship between abnormal echocardiographic septal motion and myocardial perfusion in patients with significant obstruction of the left anterior descending artery. 1977, 56, 780-5		16
1332	HÄMODYNAMISCHE ANALYSE DER DURCHFLUTUNG VON OSTIENMODELLEN SOWIE NORMALER UND PATHOLOGISCH VERÄNDERTER KORONAROSTIEN. 1977, 22, 297-298		
1331	Myocardial imaging with thallium-201 at rest and during exercise. Comparison with coronary arteriography and resting and stress electrocardiography. 1977, 56, 66-71		389
1330	Hemodynamics of arterial stenoses at elevated flow rates. 1977, 41, 99-107		149
1329	The pulsed Doppler coronary artery catheter preliminary report of a new technique for measuring rapid changes in coronary artery flow velocity in man. 1977, 56, 18-25		178
1328	The effect upon coronary blood flow of coronary ostial intubation with an angiographic catheter. 1977, 72, 138-40		
1327	Analysis of pulsatile, viscous blood flow through diseased coronary arteries of man. 1977, 10, 339-53		102
1326	Thallium-201 myocardial perfusion imaging in aortic valve stenosis. <i>American Journal of Cardiology,</i> 1977, 40, 889-99	3	72
1325	Importance of maintaining systemic blood pressure during nitroglycerin administration for reducing ischemic injury in patients with coronary disease. Effects on coronary blood flow, myocardial energetics and left ventricular function. <i>American Journal of Cardiology,</i> 1977, 40, 504-8	3	52
1324	Diagnostic accuracy of noninvasive myocardial imaging for coronary artery disease: an electrocardiographic and angiographic correlation. <i>American Journal of Cardiology,</i> 1977, 40, 6-10	3	27
1323	Particulate myocardial perfusion scintigraphy: its clinical usefulness in evaluation of coronary artery disease. 1977, 7, 67-84		20

1322 Interchangeability of left ventriculograms. **1977**, 93, 130-3

1321	Myocardial stress perfusion scintigraphy with rubidium-81 versus stress electrocardiography. <i>American Journal of Cardiology</i> , 1977 , 39, 364-71	3	27
1320	Hemodynamic effects of controlled degrees of coronary artery stenosis in short-term and long-term studies in dogs. 1977 , 73, 722-727		56
1319	Myocardial imaging with radioactive potassium and its analogs. 1977 , 20, 81-94		30
1318	Myocardial blood flow in coronary artery disease: studies at rest and during stress with inert gas washout techniques. 1977 , 20, 95-120		51
1317	Radioindicators for the study of the heart: principles and applications. 1977 , 20, 3-17		14
1316	The effect of graded coronary stenosis on myocardial blood flow and left ventricular wall motion. <i>Basic Research in Cardiology</i> , 1977 , 72, 479-91	11.8	9
1315	Effects of collateral circulation on regional myocardial blood flow and left ventricular wall motion (A preliminary note). <i>Basic Research in Cardiology</i> , 1977 , 72, 492-504	11.8	2
1314	Effects of coronary stenoses and ventricular loading conditions on coronary flow. <i>Basic Research in Cardiology</i> , 1978 , 73, 571-83	11.8	6
1313	Prognosis in patients rejected for coronary revascularization surgery. 1978 , 64, 9-20		35
1312	Effects of rapid digitalization on total and regional myocardial performance in patients with coronary artery disease. 1978 , 96, 337-46		12
1311	Concepts and applications of treadmill exercise testing and the exercise electrocardiogram. 1978 , 95, 102-14		30
1310	Assessment of coronary stenoses with myocardial perfusion imaging during pharmacologic coronary vasodilatation. IV. Limits of detection of stenosis with idealized experimental cross-sectional myocardial imaging. <i>American Journal of Cardiology</i> , 1978 , 42, 761-8	3	76
1309	Effect of stenotic dimensions and blood flow on the hemodynamic significance of model coronary arterial stenoses. <i>American Journal of Cardiology</i> , 1978 , 42, 781-92	3	55
1308	Thallium-201 myocardial perfusion scintigraphy for the clinical clarification of normal, abnormal and equivocal electrocardiographic stress tests. <i>American Journal of Cardiology</i> , 1978 , 41, 43-51	3	245
1307	Noninvasive assessment of coronary stenoses by myocardial perfusion imaging during pharmacologic coronary vasodilatation. I. Physiologic basis and experimental validation. <i>American Journal of Cardiology</i> , 1978 , 41, 267-78	3	402
1306	Noninvasive assessment of coronary stenoses by myocardial imaging during pharmacologic coronary vasodilatation. II. Clinical methodology and feasibility. <i>American Journal of Cardiology</i> , 1978 , 41, 279-87	3	329
1305	Hemodynamic significance of the length of a coronary arterial narrowing. <i>American Journal of Cardiology</i> , 1978 , 41, 865-71	3	109

1304	Intraoperative evaluation of the functional significance of coronary collateral vessels in patients with coronary artery disease. <i>American Journal of Cardiology</i> , 1978 , 42, 187-92	3	58
1303	Evaluation of cardiac function and structure with radioactive tracer techniques. 1978 , 57, 645-54		50
1302	Relationship of regional myocardial perfusion to segmental wall motion: a physiologic basis for understanding the presence and reversibility of asynergy. 1978 , 58, 1154-63		73
1301	Pressure-flow characteristics of coronary stenoses in unsedated dogs at rest and during coronary vasodilation. 1978 , 43, 242-53		282
1300	Fluid dynamics of coronary artery stenosis. 1978 , 42, 152-62		169
1299	Comparison of single-dose and double-dose thallium-201 myocardial perfusion scintigraphy for the detection of coronary artery disease and prior myocardial infarction. 1978 , 58, 777-88		122
1298	Relation between left coronary artery stenosis and regional left ventricular function. 1978 , 58, 491-7		16
1297	Detection of myocardial ischemia by regional dysfunction during and after rapid pacing in conscious dogs. 1978 , 58, 48-56		55
1296	Coronary arteriography: role in myocardial revascularization. 1978 , 63, 121-8, 133-8		8
1295	Hemodynamic effects of long and multiple coronary arterial narrowings. 1978 , 74, 280-5		39
1294	Myocardial ischemia: detection and quantitation. 1978 , 88, 239-50		13
1293	Determination of regional myocardial blood flow in patients with ischemic heart disease. 1978 , 23, 52-62		1
1292	Hemodynamics of coronary artery stenosis. 1978 , 23, 25-39		
1291	Myocardial reactive hyperemia caused by initial myocardial anoxia during aortic valve replacement. 1978 , 75, 716-721		4
1290	Reduction of coronary flow in the native circulation after bypass. 1979 , 78, 772-778		8
1289	The coronary hemodynamics of left main and branch coronary stenoses. 1979 , 77, 377-388		29
1288	Acute angiotensin II-mediated restoration of distal renal artery pressure in renal artery stenosis and its relationship to the development of sustained one-kidney hypertension in conscious dogs. 1979 , 1, 292-8		46
1287	Evaluation of thallium-201 exercise scintigraphy in coronary heart disease. 1979 , 41, 568-74		21

1286	Quantitative coronary angiography: measurement of the "critical" stenosis in patients with unstable angina and single-vessel disease without collaterals. 1979 , 60, 106-13		117
1285	Mechanical function of the heart and its alteration during myocardial ischemia and infarction. Specific reference to coronary atherosclerosis. 1979 , 60, 1587-92		12
1284	Effects of verapamil on myocardial performance in coronary disease. 1979 , 59, 313-9		167
1283	Influence of aortic insufficiency on the hemodynamic significance of a coronary artery narrowing. 1979 , 60, 259-68		25
1282	Thallium-201 scintigraphy in diagnosis of coronary stenosis. Comparison with electrocardiography and coronary arteriography. 1979 , 41, 575-83		21
1281	201Tl-redistribution analysis in early and delayed myocardial scintigrams of patients with coronary heart disease (CHD). 1979 , 4, 343-50		10
1280	Transmural perfusion gradients distal to various degrees of coronary artery stenosis during resting flow or at maximal vasodilation. <i>Basic Research in Cardiology</i> , 1979 , 74, 494-508	11.8	8
1279	Effects of moderate coronary stenosis on myocardial flow reserve in man and in the dog. <i>Basic Research in Cardiology</i> , 1979 , 74, 351-60	11.8	2
1278	Assessment of regional myocardial blood flow using the inert gas washout technique. 1979 , 2, 203-16		10
1277	Radionuclide assessment of regional myocardial perfusion with thallium-201. 1979 , 97, 112-8		5
1276	Correlation of thallium-201 scintigrams with coronary anatomy: factors affecting region by region sensitivity. <i>American Journal of Cardiology</i> , 1979 , 44, 616-22	3	108
1275	Myocardial oxygen supply in left ventricular hypertrophy and coronary heart disease. <i>American Journal of Cardiology</i> , 1979 , 44, 746-53	3	34
1274	Myocardial metabolism and threshold to angina in coronary artery disease after digitalization: responses at rest and during stress. 1979 , 66, 288-95		4
1273	The significance of exercise-induced Q waves. 1979 , 67, 454-9		15
1272	Regional myocardial perfusion assessed with N-13 labeled ammonia and positron emission computerized axial tomography. <i>American Journal of Cardiology</i> , 1979 , 43, 209-18	3	207
1271	Effect of dilation of the distal coronary bed on flow and resistance in severely stenotic coronary arteries in the dog. <i>American Journal of Cardiology</i> , 1979 , 43, 219-24	3	110
1270	Acute renal haemodynamic and renin-angiotensin system responses to graded renal artery stenosis in the dog. 1979 , 287, 231-45		40
1269	The importance of renal vascular tone in determining the severity of renal artery stenosis in dogs. 1980 , 305, 31-41		18

1268	The use of coronary vasodilators in myocardial imaging with 43K. 1980 , 5, 75-84		1
1267	Myocardial ischemia after left ventriculography: pathophysiology and clinical significance. 1980 , 6, 17-28		4
1266	Effect of graded narrowing of left main coronary artery on left ventricular function. 1980 , 79, 904-910		2
1265	Quantitative difference in "critical" stenosis between right and left coronary artery in man. 1980 , 62, 1188-96		37
1264	Carotid sinus reflex in patients undergoing coronary angiography: relationship of degree and location of coronary artery disease to response to carotid sinus massage. 1980 , 62, 697-703		79
1263	Comparison of electrocardiographic and left ventricular functional changes during exercise. 1980 , 62, 1204-11		39
1262	The effect of stenosis of bypass grafts on coronary blood flow. A mechanical model study. 1980 , 62, 61-6		6
1261	Dilation of coronary artery stenoses after isosorbide dinitrate in man. 1980 , 43, 546-9		57
1260	The prognostic significance of 50% coronary stenosis in medically treated patients with coronary artery disease. 1980 , 62, 240-8		100
1259	The effect of graded coronary flow reduction in the left anterior descending and septal arteries on left ventricular function in the canine heart. 1980 , 62, 745-55		9
1258	The effects of vasoconstriction on experimental coronary artery stenosis. 1980 , 100, 852-8		17
1257	Coronary hemodynamic effects of ergonovine maleate in human subjects. <i>American Journal of Cardiology</i> , 1980 , 45, 48-52	3	10
1256	Regional myocardial blood flow, metabolism and function assessed noninvasively with positron emission tomography. <i>American Journal of Cardiology</i> , 1980 , 46, 1269-77	3	58
1255	Antianginal and myocardial metabolic properties of verapamil in coronary artery disease. <i>American Journal of Cardiology</i> , 1980 , 46, 1019-26	3	69
1254	Selection of angina-free patients with severe left ventricular dysfunction for myocardial revascularization. <i>American Journal of Cardiology</i> , 1980 , 46, 695-700	3	63
1253	Subepicardial vasodilator reserve in the presence of critical coronary stenosis in dogs. <i>American Journal of Cardiology</i> , 1980 , 46, 67-73	3	105
1252	Altered coronary flow responses to vasoactive drugs in the presence of coronary arterial stenosis in the dog. <i>American Journal of Cardiology</i> , 1980 , 45, 276-85	3	97
1251	The evaluation of ischemic heart disease thallium-210 with comments on radionuclide angiography. 1980 , 10, 115-26		10

1250	A consideration of factors affecting the diagnostic accuracy of thallium-201 myocardial perfusion scintigraphy in detecting coronary artery disease. 1980 , 10, 157-67		20
1249	Thallium redistribution: mechanisms and clinical utility. 1980 , 10, 70-93		124
1248	Emission tomography of the heart. 1980 , 10, 355-73		42
1247	Effects of respiratory alkalosis on coronary vascular dynamics and myocardial energetics in patients with coronary artery disease. 1981 , 102, 202-5		11
1246	Role of coronary arteriography in the evaluation of patients with coronary artery disease. 1981 , 70, 747-51		9
1245	Synergistic relation between vasoconstriction and fixed epicardial vessel stenosis in coronary artery disease. 1981 , 101, 428-34		10
1244	Effect of intravenous and intracoronary nitroglycerin on left ventricular wall motion and perfusion in patients with coronary artery disease. <i>American Journal of Cardiology</i> , 1981 , 47, 102-8	3	12
1243	Therapy of coronary vasoconstriction in patients with coronary artery disease. <i>American Journal of Cardiology</i> , 1981 , 47, 157-62	3	32
1242	Computer-enhanced thallium scintigrams in asymptomatic men with abnormal exercise tests. <i>American Journal of Cardiology</i> , 1981 , 48, 1037-43	3	43
1241	Intravenous dipyridamole combined with isometric handgrip for near maximal acute increase in coronary flow in patients with coronary artery disease. <i>American Journal of Cardiology</i> , 1981 , 48, 1077-83 ³		213
1240	Characterization of the rabbit heart in cholesterol-induced coronary atherosclerosis. Morphometric studies. 1981 , 19, 100-11		6
1239	Influence of a critical coronary artery stenosis on myocardial protection through cold potassium cardioplegia. 1981 , 82, 608-615		77
1238	A closed chest animal model for the study of reversible ischemia. 1981 , 67, 133-47		2
1237	Radiopharmaceuticals used in myocardial imaging. 1981 , 70, 1-12		5
1236	Assessment of left ventricular function in patients with isolated severe disease of the left anterior descending artery: clinical, electrocardiographic, hemodynamic, and angiographic correlations. 1981 , 7, 135-43		1
1235	[Standardized experimental coronary stenosis. Reduction of diameter and cross-sectional area following eccentric narrowing]. 1981 , 179, 113-9		1
1234	Evaluation of myocardial perfusion and left ventricular function by 201Tl scintigraphy after dipyridamole. 1981 , 6, 491-503		10
1233	Metabolic myocardial imaging with 123I-labeled heptadecanoic acid in patients with angina pectoris. 1981 , 6, 391-6		80

1232	Local and regional regulation of coronary vascular tone. 1981 , 24, 191-212		33
1231	Angiographic measurement of coronary blood flow by video dilution technique. 1981 , 22, 121-7		14
1230	Variable effect of nifedipine on myocardial blood flow at three grades of coronary occlusion in the dog. 1981 , 48, 937-42		39
1229	Measurement of coronary reactive hyperemia during clinical angiography by video dilution technique. 1981 , 22, 209-16		29
1228	The effect of generalized alpha-receptor stimulation on regional myocardial blood flow distal to a severe coronary artery stenosis. 1982 , 65, 1329-36		22
1227	Left ventricular myocardial blood flow in multivessel coronary artery disease. 1982 , 66, 537-47		12
1226	Coronary artery narrowing without irreversible myocardial damage or development of collaterals. Assessment of "critical" stenosis in a human model. 1982 , 48, 265-71		16
1225	Effects of progressive reduction in coronary blood flow on regional and global left ventricular contraction and relaxation during normal and increased afterload: a roentgen videometric study. 1982 , 16, 535-45		8
1224	Quantitative Angiography: Experimental Studies On The Representation Of Model Coronary Arteries In Angiographic Films. 1982 , 0375, 65		
1223	Cardioplegia for severe coronary artery disease: an improved technique using direct coronary artery infusion. 1982 , 33, 234-7		8
1222	Complementary roles of scintigraphic and angiographic techniques in assessment of the extent of coronary artery disease. 1982 , 104, 653-60		7
1221	Noninvasive detection and localization of coronary stenoses in patients: comparison of resting dipyridamole and exercise thallium-201 myocardial perfusion imaging. 1982 , 103, 1008-18		192
1220	Noninvasive assessment of coronary stenoses by myocardial imaging during pharmacologic coronary vasodilation. VI. Detection of coronary artery disease in human beings with intravenous N-13 ammonia and positron computed tomography. <i>American Journal of Cardiology</i> , 1982 , 49, 1197-207	3	190
1219	Myocardial perfusion imaging. <i>American Journal of Cardiology</i> , 1982 , 49, 1341-7	3	6
1218	Hemodynamics of multiple versus single 50 percent coronary arterial stenoses. <i>American Journal of Cardiology</i> , 1982 , 50, 276-80	3	19
1217	Coronary hemodynamics during percutaneous transluminal coronary angioplasty. <i>American Journal of Cardiology</i> , 1982 , 49, 1615-22	3	91
1216	Comparison of three methods of evaluating coronary obstructive lesions: postmortem arteriography, pathologic examination and measurement of regional myocardium perfusion during maximal vasodilation. <i>American Journal of Cardiology</i> , 1982 , 49, 1699-706	3	61
1215	Coronary hemodynamic effects of angiotensin inhibition by captopril and teprotide in patients with congestive heart failure. <i>American Journal of Cardiology</i> , 1982 , 50, 967-72	3	41

1214	Clinical manifestations and pathophysiology of myocardial ischemia with special reference to coronary artery spasm and the role of slow channel calcium blockers. 1982 , 25, 157-68		16
1213	The effect of coronary flow restriction on the viability of porcine myocardium. <i>Basic Research in Cardiology</i> , 1982 , 77, 333-47	11.8	5
1212	Single photon tomographic imaging of a standard heart phantom with 201Tl: a gamma camera based system. 1982 , 7, 254-9		11
1211	Effect of brief periods of paced ventricular tachycardia on coronary blood flow in dogs before and after graded coronary stenosis. <i>Basic Research in Cardiology</i> , 1983 , 78, 99-111	11.8	3
1210	Validity of contrast hyperemia for clinical assessment of coronary flow reserve: the optimal dose of contrast medium and reproducibility of the technique. 1983 , 9, 553-68		19
1209	Calcium antagonists. Clinical use in the treatment of angina. 1983 , 25, 178-95		49
1208	Coronary hemodynamics and subendocardial perfusion distal to stenoses. 1983 , 4, 173-83		4
1207	Assessment of stenoses in coronary angioplasty. Inter- and intraobserver variability. 1983 , 3, 159-69		79
1206	Phasic pressure gradients across coronary and renal artery stenoses in humans. 1983 , 106, 1399-406		31
1205	Regional myocardial perfusion at rest and during intracoronary papaverine in patients with coronary artery disease. 1983 , 105, 372-9		11
1204	Variable susceptibility to dynamic coronary obstruction: an elusive link between coronary atherosclerosis and angina pectoris. <i>American Journal of Cardiology</i> , 1983 , 52, 46A-51A	3	19
1203	Determinants of transstenotic gradients observed during angioplasty: an experimental model. <i>American Journal of Cardiology</i> , 1983 , 52, 1311-7	3	53
1202	Influence of aortic stenosis on the hemodynamic importance of coronary artery narrowing in dogs without left ventricular hypertrophy. <i>American Journal of Cardiology</i> , 1983 , 51, 865-71	3	13
1201	Quantitative assessment of the effects of a fixed 50% coronary artery stenosis on regional myocardial flow reserve and transmural distribution of blood flow. 1983 , 1, 1273-80		9
1200	Haemodynamic factors influencing myocardial ischaemia in a canine model of coronary artery stenosis: the effects of nitroglycerine. 1983 , 79, 337-45		4
1199	Experimental study of pulsatile and steady flow through a smooth tube and an atherosclerotic coronary artery casting of man. 1983 , 16, 933-46		42
1198	Scintigraphic quantification of myocardial ischemia: a new approach. 1983 , 68, 747-55		32
1197	Functional significance of collaterals during ameroid-induced coronary stenosis in conscious dogs. Interrelationships among regional shortening, regional flow and grade of coronary stenosis. 1983 , 67, 1001-8		29

1196	Progress in surgical treatment of coronary atherosclerosis (Part 1). 1983 , 84, 611-24	20
1195	Coronary hemodynamic data in ischemic heart disease according to ischemic behavior during pacing. 1983 , 6, 17-28	4
1194	Quantitative evaluation of exercise-induced ST-segment depression for estimation of degree of coronary artery disease. 1984 , 5, 289-94	45
1193	Pathophysiology of Atherosclerotic Heart Disease. 1984 , 2, 555-569	5
1192	Leukotriene D4-induced vasoconstriction of coronary arteries in anaesthetized dogs. 1984 , 5, 253-60	16
1191	Effects of exercise on collateral development in myocardial ischemia in pigs. 1984 , 56, 656-65	55
1190	Coronary Artery Blood Flow. 1984 , 144, 1742	
1189	Development of collateral function with repetitive coronary occlusion in a canine model reduces myocardial reactive hyperemia in the absence of significant coronary stenosis. 1984 , 55, 623-32	58
1188	Myocardial contrast two-dimensional echocardiography: comparison of contrast disappearance rates in normal and underperfused myocardium. 1984 , 69, 418-29	50
1187	Dynamic mechanisms in human coronary stenosis. 1984 , 70, 917-22	245
1186	Does visual interpretation of the coronary arteriogram predict the physiologic importance of a coronary stenosis?. 1984 , 310, 819-24	1090
1185	The value of lesion cross-sectional area determined by quantitative coronary angiography in assessing the physiologic significance of proximal left anterior descending coronary arterial stenoses. 1984 , 69, 1111-9	302
1184	Selective hypercontraction caused by ergonovine in the canine coronary artery under conditions of induced atherosclerosis. 1984 , 69, 441-50	125
1183	Correlation of heart rate/ST slope and coronary angiographic findings. 1984 , 52, 304-7	35
1182	Maximal coronary flow and the concept of coronary vascular reserve. 1984 , 70, 153-9	631
1181	Coronary Flow Reserve Measured During Cardiac Catheterization. 1984 , 144, 1773	10
1180	One-Vessel Coronary Artery Disease. 1984 , 144, 1233	3
1179	Evaluation of patients with coronary artery disease during exercise: the relation between extent of disease and perfusion deficit. 1984 , 10, 311-8	1

1178	Cigarette smoking, atherosclerosis and the coronary hemodynamic response: a unifying hypothesis. 1984 , 4, 972-4	54
1177	Intraoperative cardioplegic contrast echocardiography for assessing myocardial perfusion during open heart surgery. 1984 , 4, 1029-34	77
1176	Myocardial contrast two-dimensional echocardiography: experimental examination at different coronary flow levels. 1984 , 3, 1219-26	92
1175	Criteria for successful coronary angioplasty as assessed by alterations in coronary vasodilatory reserve. 1984 , 3, 1382-90	64
1174	Correlation of myocardial echo contrast disappearance rate ("washout") and severity of experimental coronary stenosis. 1984 , 3, 39-46	77
1173	Thallium scintigraphy during dobutamine infusion: nonexercise-dependent screening test for coronary disease. 1984 , 107, 481-5	133
1172	Application of digital techniques to selective coronary arteriography: use of myocardial contrast appearance time to measure coronary flow reserve. 1984 , 107, 153-64	188
1171	The chronic coronary flow reserve provided by saphenous vein bypass grafts as determined by digital coronary radiography. 1984 , 108, 462-8	12
1170	The Effect of Hypocapnia on Coronary Blood Flow and Myocardial Function in the Dog. 1984 , 63, 991-997	11
1169	Applications of digital subtraction angiography in cardiovascular diagnosis. 1985 , 65, 423-37	9
1168	Regional myocardial blood flow in man during dipyridamole coronary vasodilation. 1985 , 87, 735-9	26
1167	Interaction of compliant coronary stenoses in series in a canine model. 1985 , 289, 192-9	3
1166	Digital angiography: the implementation of computer technology for cardiovascular imaging. 1985 , 28, 195-212	4
1165	Digital subtraction angiography: a review of cardiac applications. 1985 , 28, 111-41	21
1164	Digital subtraction angiographic assessment of the coronary arteries and coronary flow reserve. 1985 , 1, 225-32	1
1163	Percutaneous transluminal coronary angioplasty: state of the art and future directions. 1985 , 1, 143-54	3
1162	Vasoconstrictor agents correlatively alter diameter and tension development in isolated pig coronary arteries. <i>Basic Research in Cardiology</i> , 1985 , 80, 210-7	11.8 9
1161	Estimation of the effects of angioplasty on coronary stenosis using quantitative video angiography. 1985 , 11, 5-16	42

1160	Decreased coronary reserve in primary scleroderma myocardial disease. 1985 , 28, 637-46		95
1159	Cardiac Applications of Digital Radiography. 1985 , 3, 3-17		1
1158	The radiographic assessment of coronary blood flow parameters. 1985 , 72, 460-5		112
1157	Comparative long-term effects of coronary artery bypass graft surgery and percutaneous transluminal coronary angioplasty on regional coronary flow reserve. 1985 , 72, 833-9		55
1156	Transluminal, subselective measurement of coronary artery blood flow velocity and vasodilator reserve in man. 1985 , 72, 82-92		471
1155	Quantification of coronary artery stenosis in vivo. 1985 , 57, 341-53		145
1154	Characterization of the functional significance of subcritical coronary stenoses with H(2)15O and positron-emission tomography. 1985 , 71, 1271-8		37
1153	Relation between graded, subcritical impairments of coronary flow reserve and regional myocardial dysfunction induced by atrial pacing in dogs. 1985 , 5, 1116-24		10
1152	Relation of coronary blood flow and reactive hyperemia to regional dysfunction induced by dopamine infusion in dogs: limitations in detecting subcritical coronary stenoses. 1985 , 5, 664-71		11
1151	Alterations in contrast medium-induced coronary reactive hyperemia after bepridil in patients with coronary artery disease. 1985 , 109, 244-51		8
1150	Positive exercise thallium-201 test responses in patients with less than 50% maximal coronary stenosis: angiographic and clinical predictors. <i>American Journal of Cardiology</i> , 1985 , 55, 54-7	3	33
1149	Validation in dogs of a rapid digital angiographic technique to measure relative coronary blood flow during routine cardiac catheterization. <i>American Journal of Cardiology</i> , 1985 , 55, 188-93	3	127
1148	Determination of the optimal timing for performing digital ventriculography during atrial pacing stress tests in coronary heart disease. <i>American Journal of Cardiology</i> , 1985 , 56, 426-33	3	4
1147	Hemodynamics at stenoses formed by growing platelet thrombi in mesenteric microvasculature of rat. 1986 , 31, 66-76		23
1146	Noninvasive quantification of the extent of jeopardized myocardium in patients with single-vessel coronary disease by stress thallium-201 single-photon emission computerized rotational tomography. 1986 , 111, 578-86		24
1145	Effect of diltiazem on coronary reactive hyperemia in patients with flow-limiting coronary artery stenosis. 1986 , 112, 1232-7		4
1144	Dose-related effects of intracoronary nitroglycerin on coronary hyperemia in patients with coronary artery disease. 1986 , 111, 845-52		12
1143	Effects of previous myocardial infarction on measurements of reactive hyperemia and the coronary vascular reserve. 1986 , 8, 357-63		53

1142	Assessing coronary stenosis severity--a recurrent clinical need. 1986 , 8, 91-4	17
1141	Assessment of coronary stenoses by myocardial perfusion imaging during pharmacologic coronary vasodilation. VII. Validation of coronary flow reserve as a single integrated functional measure of stenosis severity reflecting all its geometric dimensions. 1986 , 7, 103-13	277
1140	Noninvasive assessment of coronary stenoses by myocardial perfusion imaging during pharmacologic coronary vasodilation. VIII. Clinical feasibility of positron cardiac imaging without a cyclotron using generator-produced rubidium-82. 1986 , 7, 775-89	229
1139	Comparative study of coronary flow reserve, coronary anatomy and results of radionuclide exercise tests in patients with coronary artery disease. 1986 , 8, 1022-32	82
1138	Quantitative evaluation of regional myocardial blood flow by videodensitometric analysis of digital subtraction coronary arteriography in humans. 1986 , 8, 809-16	27
1137	Effects of staged versus sudden reperfusion after acute coronary occlusion in the dog. 1986 , 7, 564-72	75
1136	Coronary obstructive lesions: assessing their physiological significance in humans. 1986 , 42, S5-8	4
1135	Dipyridamole versus intracoronary injection of contrast medium for the evaluation of coronary reserve in man: a comparative study. 1986 , 12, 304-10	4
1134	Coronary spasm, steal, and stenosis: implications for management of ischemic heart disease. 1986 , 11, 1-67	4
1133	Quantitative computer techniques for analyzing coronary arteriograms. 1986 , 28, 403-18	98
1132	Changes in coronary flow following repeated brief coronary occlusion in the conscious dog. 1986 , 2, 87-90	11
1131	Percutaneous coronary angioplasty: technique, indications, and results. 1986 , 9, 261-72	22
1130	Intracoronary papaverine: an ideal coronary vasodilator for studies of the coronary circulation in conscious humans. 1986 , 73, 444-51	342
1129	Restenosis after successful coronary angioplasty in patients with single-vessel disease. 1986 , 73, 710-7	656
1128	Effect of coronary stenotic lesions on regional myocardial blood flow at rest. 1986 , 74, 746-57	29
1127	Exercise-induced regional dysfunction with subcritical coronary stenosis. 1986 , 73, 596-605	21
1126	Pathophysiology of coronary occlusion in acute infarction. 1986 , 73, 233-9	85
1125	Value and limitations of computer analysis of digital subtraction angiography in the assessment of coronary flow reserve. 1986 , 73, 562-71	101

1124	Digital angiographic measurement of radiographic contrast material kinetics for estimation of myocardial perfusion. 1986 , 73, 789-98	38
1123	Evaluation of coronary collateral development by regional myocardial function and reactive hyperaemia. 1987 , 21, 377-84	45
1122	The transstenotic pressure gradient trend as a predictor of acute complications after percutaneous transluminal coronary angioplasty. 1987 , 76, 792-801	41
1121	Analysis of flow characteristics in poststenotic regions of the human coronary artery during bypass graft surgery. 1987 , 76, 1092-100	105
1120	Does the quantitative assessment of coronary artery dimensions predict the physiologic significance of a coronary stenosis?. 1987 , 75, 1154-61	167
1119	Prediction of the physiologic significance of coronary arterial lesions by quantitative lesion geometry in patients with limited coronary artery disease. 1987 , 75, 723-32	298
1118	The physiologic basis of dobutamine as compared with dipyridamole stress interventions in the assessment of critical coronary stenosis. 1987 , 76, 943-51	207
1117	Does coronary artery bypass surgery restore normal maximal coronary flow reserve? The effect of diffuse atherosclerosis and focal obstructive lesions. 1987 , 76, 563-71	48
1116	The role of coronary artery lesions in ischemic heart disease: insights from recent clinicopathologic, coronary arteriographic, and experimental studies. 1987 , 18, 451-61	65
1115	Effect of myocardial contraction on systolic coronary resistance in conscious dogs. 1987 , 16, 235-47	
1114	Pharmacologic intervention as an alternative to exercise stress. 1987 , 17, 121-30	29
1113	Measurement of coronary blood flow: a critical review. 1987 , 42, 314-27	1
1112	Relation between graded, subcritical impairments of coronary flow reserve and regional myocardial dysfunction induced by isoproterenol infusion in dogs. 1987 , 113, 906-16	12
1111	Relation of coronary artery stenosis and pressure gradient to exercise-induced ischemia before and after coronary angioplasty. 1987 , 10, 253-60	20
1110	Comparative effects of intracoronary vasodilators on restoring coronary perfusion during flow-reducing coronary stenosis in the dog. 1987 , 9, 119-26	18
1109	Assessment of myocardial perfusion by videodensitometry in the canine model. 1987 , 9, 891-7	19
1108	Computer Measurements of Coronary Artery Disease. 1987 , 330, 1499-1500	
1107	Effect of continued rt-PA administration on the residual stenosis after initially successful recanalization in acute myocardial infarction--a quantitative coronary angiography study of a randomized trial. 1987 , 8, 1172-81	54

1106	Comparison of cardiac and hemodynamic effects of platelet-activating factor-acether and leukotriene D4 in anesthetized dogs. <i>Basic Research in Cardiology</i> , 1987 , 82, 197-208	11.8	11
1105	Recurrence after coronary angioplasty. 1987 , 13, 77-86		53
1104	Assessment of coronary flow reserve using digital angiography before and after successful percutaneous transluminal coronary angioplasty. <i>American Journal of Cardiology</i> , 1987 , 60, 61-5	3	73
1103	Assessment of coronary angioplasty: comparison of visual assessment, hand-held caliper measurement and automated digital quantitation. 1988 , 15, 237-42		32
1102	Assessment of regional coronary flow reserve by digital angiography in patients with coronary artery disease. 1988 , 3, 47-55		7
1101	Correlations between quantitative cineangiography, coronary flow reserve measured with digital subtraction cineangiography and exercise thallium perfusion scintigraphy. 1988 , 3, 133-9		2
1100	Impaired myocardial perfusion in patients with hypertrophic cardiomyopathy: assessment with digital subtraction coronary arteriography. 1988 , 4, 170-8		2
1099	Intracoronary Nitroglycerin and Regional Coronary Blood Flow Responses During Coronary Angioplasty in Patients. 1988 , 1, 49-57		5
1098	Assessing stenosis severity: coronary flow reserve, collateral function, quantitative coronary arteriography, positron imaging, and digital subtraction angiography. A review and analysis. 1988 , 30, 307-22		76
1097	Assessing the physiologic significance of coronary obstructions in patients: importance of diffuse undetected atherosclerosis. 1988 , 31, 39-56		85
1096	Effects of coronary bypass surgery and angioplasty on coronary blood flow and flow reserve. 1988 , 31, 95-114		31
1095	Exercise testing: uses and limitations considering recent studies. 1988 , 31, 173-204		71
1094	The effects of dopamine and dobutamine on regional function in the presence of rigid coronary stenoses and subcritical impairments of reactive hyperemia. 1988 , 115, 970-7		74
1093	Assessment of coronary angioplasty by an automated digital angiographic method. 1988 , 116, 1181-7		43
1092	Dipyridamole cardiac imaging. 1988 , 115, 432-43		136
1091	Visual estimates of percent diameter coronary stenosis: "a battered gold standard". 1988 , 11, 882-5		229
1090	Myocardial contrast echocardiography in humans. II. Assessment of coronary blood flow reserve. 1988 , 12, 925-34		103
1089	Assessing stenosis significance by coronary arteriography: are the best variables good enough?. 1988 , 12, 692-3		63

1088	Which cineangiographically assessed anatomic variable correlates best with functional measurements of stenosis severity? A comparison of quantitative analysis of the coronary cineangiogram with measured coronary flow reserve and exercise/redistribution thallium-201 scintigraphy. 1988 , 12, 686-91		77
1087	Identifying and measuring severity of coronary artery stenosis. Quantitative coronary arteriography and positron emission tomography. 1988 , 78, 237-45		115
1086	Assessment of immediate and long-term functional results of percutaneous transluminal coronary angioplasty. 1988 , 78, 15-24		55
1085	Effect of tachycardia and constriction of left circumflex artery on coronary flow and pressure in anaesthetized dogs. 1988 , 406, 469-81		3
1084	Effects of regional alpha- and beta-blockade on resting and hyperemic coronary blood flow in conscious, unstressed humans. 1989 , 79, 797-809		73
1083	Assessment of severity of coronary stenoses using a Doppler catheter. Validation of a method based on the continuity equation. 1989 , 80, 625-35		99
1082	Comparative evaluation of coronary stenoses using fluid dynamic equations and standard quantitative coronary arteriography. <i>American Journal of Cardiology</i> , 1989 , 64, 6-10	3	22
1081	Review of intracoronary Doppler catheters. 1989 , 4, 159-68		19
1080	Clinical cardiac PET using generator-produced Rb-82: a review. 1989 , 12, 245-51		23
1079	Quantifying changes in regional myocardial perfusion with aortic contrast echocardiography. 1989 , 2, 36-47		4
1078	A "significant" stenosis: thirty years on. 1989 , 1, 207-9		12
1077	Dipyridamole echocardiography in the detection of vulnerable myocardium in the early postinfarction period. 1989 , 2, 324-30		4
1076	Exercise thallium-201 scintigraphy in the localization of myocardial ischaemia. 1989 , 9, 555-65		
1075	The function of the aorta in ischemic heart disease: a magnetic resonance and angiographic study of aortic compliance and blood flow patterns. 1989 , 118, 234-47		126
1074	Evaluation of coronary artery disease in the patient unable to exercise: alternatives to exercise stress testing. 1989 , 117, 1344-65		62
1073	Controlled versus hyperemic flow during reperfusion of jeopardized ischemic myocardium. 1989 , 117, 515-22		41
1072	Impaired coronary vasodilator reserve in the immediate postcoronary angioplasty period: analysis of coronary artery flow velocity indexes and regional cardiac venous efflux. 1989 , 13, 860-72		108
1071	Effects of pharmacologic coronary hyperemia on echocardiographic left ventricular function in patients with single vessel coronary artery disease. 1989 , 13, 1042-51		16

1070	Assessment of regional myocardial perfusion by contrast echocardiography. II. Detection of changes in transmural and subendocardial perfusion during dipyridamole-induced hyperemia in a model of critical coronary stenosis. 1989 , 14, 1555-65	73
1069	Decreased coronary flow reserve after transient myocardial ischemia in dogs. 1989 , 13, 195-9	46
1068	Intracoronary Doppler: Clinical Application And Future Directions. 1989 , 1068, 59	
1067	Patient follow-up after angioplasty: the problems of assessing restenosis. 1989 , 10 Suppl G, 2-8	2
1066	Diltiazem Effect on Regional Function. 1989 , 68, 422	
1065	Another problem with a stylet in an endotracheal tube. 1989 , 68, 422	2
1064	Diltiazem Effect on Regional Function. 1989 , 68, 421???422	
1063	Dipyridamole-echocardiography test: historical background and physiologic basis. 1989 , 10, 365-76	179
1062	Clinical signs of androgen excess as risk factors for coronary artery disease. 1990 , 54, 255-9	144
1061	Transcranial Doppler pulsatility in vasodilation and stenosis. 1990 , 72, 901-6	58
1060	Update on intravenous dipyridamole cardiac imaging in the assessment of ischemic heart disease. 1990 , 13, 3-10	16
1059	Detecting and assessing severity of coronary artery disease in humans. 1990 , 13, 5-13	11
1058	Effects of dipyridamole on collateral flow and regional myocardial function in conscious dogs with newly developed collaterals. <i>Basic Research in Cardiology</i> , 1990 , 85, 142-52	11.8 5
1057	Restenosis following coronary angioplasty. 1990 , 5, 155-62	4
1056	Role of single photon wall motion and perfusion studies in the evaluation of patients with suspected coronary artery disease. 1990 , 17, 269-78	1
1055	Coronary Physiology. 1990 , 289-349	1
1054	Comparative effects of pacing-induced and flow-limited ischemia on left ventricular function. 1990 , 81, 1380-92	24
1053	Effect of tachycardia on regional function and transmural myocardial perfusion during graded coronary pressure reduction in conscious dogs. 1990 , 82, 1815-25	49

1052	Assessment of the functional significance of coronary stenoses. Is digital angiography the answer?. 1990 , 81, 1431-5	38
1051	Coronary artery revascularization. Critical need for, and consequences of, objective angiographic assessment of lesion severity. 1990 , 82, 2231-4	38
1050	Effects of adenosine on human coronary arterial circulation. 1990 , 82, 1595-606	724
1049	Thallium-201 Single Photon Emission Computed Tomography in Patients with Symptoms of Heart Disease and Non-Significant Coronary Artery Lesions. 1990 , 31, 463-468	1
1048	Importance of myocardial ischemia for coronary collateral development in conscious dogs. 1990 , 27, 179-86	9
1047	Ventricular fibrillation during partial reperfusion following severe myocardial ischemia in the canine model. 1990 , 23, 347-58	3
1046	Coronary flow reserve as a physiologic measure of stenosis severity. 1990 , 15, 459-74	427
1045	Restenosis after coronary angioplasty: new standards for clinical studies. 1990 , 15, 491-8	124
1044	Positron emission tomography and the quantitative assessment of regional myocardial blood flow. 1990 , 15, 128-30	3
1043	Assessment of "silent" restenosis and long-term follow-up after successful angioplasty in single vessel coronary artery disease: the value of quantitative exercise electrocardiography and quantitative coronary angiography. 1990 , 16, 578-85	59
1042	Determination of coronary flow reserve by digital angiography: validation of a practical method not requiring power injection or electrocardiographic gating. 1990 , 16, 190-7	14
1041	Effects of calcium channel blockers on coronary vasoconstriction induced by endothelin-1 in closed chest pigs. 1990 , 16, 1296-303	21
1040	Postsystolic shortening as an index of regional myocardial ischemia in an experimental model. 1991 , 5, 546-50	10
1039	Coronary flow reserve. 1991 , 122, 1116-28	32
1038	Inability of coronary blood flow reserve measurements to assess the efficacy of coronary angioplasty in the first 24 hours in unselected patients. 1991 , 122, 631-9	35
1037	Dipyridamole perfusion scintigraphy. 1991 , 21, 242-65	23
1036	Decreased regional lactate production and output due to intracoronary continuous infusion of esmolol during acute coronary occlusion in dogs. 1991 , 5, 237-42	12
1035	Pathophysiology of Stable Angina Pectoris. 1991 , 9, 1-10	2

1034	Coronary Arteriography in the Anginal Syndromes. 1991 , 9, 63-71		1
1033	Coronary blood flow reserve measured by contrast media injection depends on myocardial viability. 1991 , 12, 44-9		21
1032	Assessment of the hemodynamic significance of coronary artery stenosis: theoretical considerations and clinical measurements. 1991 , 34, 69-88		7
1031	Painless myocardial ischemia in elderly patients compared with middle-aged patients and its relation to treadmill testing and coronary hemodynamics. 1991 , 14, 886-90		11
1030	Definition of Restenosis after Percutaneous Transluminal Coronary Angioplasty: A Quickly Evolving Concept. 1991 , 4, 265-275		7
1029	Dipyridamole thallium imaging. <i>American Journal of Cardiology</i> , 1991 , 67, 18D-26D	3	23
1028	Assessment of the human coronary circulation using a Doppler catheter. <i>American Journal of Cardiology</i> , 1991 , 67, 44D-56D	3	34
1027	Simultaneous cardiac mechanics and phosphorus-31 NMR spectroscopy during global myocardial ischemia and reperfusion in the intact dog. 1991 , 17, 41-52		5
1026	Relationship between coronary blood flow and perfusion pressure during reactive hyperemia: a case report in an awake unanesthetized woman with normal coronary arteries. 1991 , 23, 286-9		1
1025	Effects of endothelin-1 on epicardial coronary tone, coronary blood flow, ECG-ST change and regional wall motion in anesthetized dogs. 1991 , 6, 191-6		7
1024	Coronary Blood Flow. 1991 ,		45
1023	Global and regional ventricular function following intracoronary application of papaverine. 1991 , 5, 598-602		1
1022	Effects of progressive myocardial ischaemia on systolic function, diastolic dysfunction, and load dependent relaxation. 1992 , 26, 422-9		49
1021	Lumen diameter of normal human coronary arteries. Influence of age, sex, anatomic variation, and left ventricular hypertrophy or dilation. 1992 , 86, 232-46		533
1020	Restenosis after coronary angioplasty: a proposal of new comparative approaches based on quantitative angiography. 1992 , 68, 417-24		50
1019	A normal coronary artery: what size is it?. 1992 , 86, 331-3		17
1018	Pharmacologic perfusion imaging. Who needs it and why?. 1992 , 91, 185-7, 190-2		4
1017	Alterations of phasic coronary artery flow velocity in humans during percutaneous coronary angioplasty. 1992 , 20, 276-86		243

1016	Therapeutic dissection after successful coronary balloon angioplasty: no influence on restenosis or on clinical outcome in 693 patients. The MERCATOR Study Group (Multicenter European Research Trial with Cilazapril after Angioplasty to prevent Transluminal Coronary Obstruction and Restenosis). 1992, 20, 767-80		103
1015	Lumen narrowing after percutaneous transluminal coronary balloon angioplasty follows a near gaussian distribution: a quantitative angiographic study in 1,445 successfully dilated lesions. 1992, 19, 939-45		129
1014	Influence of operator- and patient-dependent variables on the suitability of automated quantitative coronary arteriography for routine clinical use. 1992, 19, 1237-43		47
1013	Failure of angiography to accurately depict the extent of coronary artery narrowing in three fatal cases of percutaneous transluminal coronary angioplasty. 1992, 19, 1261-70		28
1012	Tachycardia, contractility and volume loading alter conventional indexes of coronary flow reserve, but not the instantaneous hyperemic flow versus pressure slope index. 1992, 20, 1261-9		44
1011	A study on coronary hemodynamics during acetylcholine-induced coronary spasm in patients with variant angina: endothelium-dependent dilation in the resistance vessels. 1992, 19, 1426-34		22
1010	The effects of ionic and nonionic radiographic contrast media on coronary hyperemia in patients during coronary angiography. 1992, 123, 621-7		19
1009	New developments in pharmacologic stress imaging. 1992, 124, 468-85		58
1008	Temporal increase in resting coronary blood flow causes an impairment of coronary flow reserve after coronary angioplasty. 1992, 123, 28-36		50
1007	Evaluation of coronary flow reserve using myocardial contrast echocardiography in humans. 1992, 13, 389-94		11
1006	Clinical value of digital radiographic coronary quantification: comparison with visual assessment and coronary flow reserve. 1992, 13, 95-101		1
1005	On-line intraoperative quantitation of regional myocardial perfusion during coronary artery bypass graft operations with myocardial contrast two-dimensional echocardiography. 1992, 104, 1524-1531		49
1004	A new bioabsorbable intravascular stent: in vitro assessment of hemodynamic and morphometric characteristics. 1992, 5, 187-94		10
1003	Angiographic risk factors of luminal narrowing after coronary balloon angioplasty using balloon measurements to reflect stretch and elastic recoil at the dilation site. The CARPORT Study Group. <i>American Journal of Cardiology</i> , 1992, 69, 584-91	3	48
1002	Dose and test for dipyridamole infusion and cardiac imaging early after uncomplicated acute myocardial infarction. <i>American Journal of Cardiology</i> , 1992, 70, 1402-6	3	21
1001	Improved stenosis geometry by quantitative coronary arteriography after vigorous risk factor modification. <i>American Journal of Cardiology</i> , 1992, 69, 845-53	3	83
1000	Postangioplasty restenosis rate between segments of the major coronary arteries. <i>American Journal of Cardiology</i> , 1992, 69, 194-200	3	41
999	Pulse wave mechanics revisited: relevance to therapy of cardiovascular disease with calcium antagonists. 1992, 7, 113-22		3

998	Minimal coronary stenoses and left ventricular blood flow during CPR. 1992 , 21, 1066-72		26
997	Effects of acute isovolemic hemodilution and anesthesia on regional function in left ventricular myocardium with compromised coronary blood flow. 1992 , 36, 628-36		32
996	Quantitative and qualitative coronary angiographic analysis: review of methods, utility, and limitations. 1992 , 25, 110-31		93
995	Caveat emptor: a clinician's guide to assessing the physiologic significance of arterial stenoses. 1993 , 29, 93-8		16
994	Myocardial viability: what do we need?. 1993 , 20, 792-803		15
993	Fractional Flow Reserve: The Ideal Parameter for Evaluation of Coronary, Myocardial, and Collateral Blood Flow by Pressure Measurements at PTCA. 1993 , 6, 331-344		3
992	Coronary flow velocity dynamics in normal and diseased arteries. <i>American Journal of Cardiology</i> , 1993 , 71, 3D-9D	3	159
991	Assessment of angiographically intermediate coronary artery stenosis using the Doppler flowwire. <i>American Journal of Cardiology</i> , 1993 , 71, 26D-33D	3	64
990	Intracoronary pressure and flow velocity with sensor-tip guidewires: a new methodologic approach for assessment of coronary hemodynamics before and after coronary interventions. <i>American Journal of Cardiology</i> , 1993 , 71, 41D-53D	3	112
989	Alteration in regulation of myocardial blood flow in one-vessel coronary artery disease determined by positron emission tomography. <i>American Journal of Cardiology</i> , 1993 , 72, 538-43	3	65
988	Is atrial pacing needed for determination of coronary flow reserve by parametric imaging?. <i>American Journal of Cardiology</i> , 1993 , 71, 415-9	3	3
987	Six-month quantitative angiographic follow-up of American Journal of Cardiology, 1993 , 71, 1226-9	3	10
986	Percutaneous transluminal coronary angioplasty catheters versus fluid-filled pressure monitoring guidewires for coronary pressure measurements and correlation with quantitative coronary angiography. <i>American Journal of Cardiology</i> , 1993 , 72, 1101-6	3	21
985	Haemodynamic model of a unilateral iliac stenosis with an aortoiliac bypass. 1993 , 31, 562-8		1
984	Sensitivity and reproducibility of the instantaneous hyperemic flow versus pressure slope index compared to coronary flow reserve for the assessment of stenosis severity. 1993 , 126, 57-65		19
983	Visual versus quantitative assessment of the severity of coronary artery stenoses: can the angiographer's eye be reeducated?. 1993 , 126, 594-600		22
982	Restenosis revisited: insights provided by quantitative coronary angiography. 1993 , 126, 1243-67		99
981	Myocardial ischemia is not a prerequisite for the stimulation of coronary collateral development. 1993 , 126, 847-55		3

980	Volumetric arterial flow quantification using echo contrast. An in vitro comparison of three ultrasonic intensity methods: radio frequency, video and Doppler. 1993 , 19, 447-60	32
979	Assessing the hemodynamic significance of coronary artery stenoses: analysis of translational pressure-flow velocity relations in patients. 1993 , 22, 449-58	146
978	Delayed recovery of coronary resistive vessel function after coronary angioplasty. 1993 , 21, 612-21	143
977	Measurement from arteriograms of regional myocardial bed size distal to any point in the coronary vascular tree for assessing anatomic area at risk. 1993 , 21, 783-97	110
976	Analysis of coronary blood flow velocity dynamics in angiographically normal and stenosed arteries before and after endolumen enlargement by angioplasty. 1993 , 21, 308-16	220
975	Which angiographic variable best describes functional status 6 months after successful single-vessel coronary balloon angioplasty?. 1993 , 21, 317-24	36
974	Transstenotic coronary pressure gradient measurement in humans: in vitro and in vivo evaluation of a new pressure monitoring angioplasty guide wire. 1993 , 22, 119-26	183
973	Residual coronary reserve despite decreased resting blood flow in patients with critical coronary lesions. A study by technetium-99m human albumin microsphere myocardial scintigraphy. 1993 , 87, 330-44	29
972	Short-term effects of atrial versus atrio-ventricular pacing on myocardial ischaemia in coronary artery disease patients. 1993 , 14, 607-13	8
971	Experimental basis of determining maximum coronary, myocardial, and collateral blood flow by pressure measurements for assessing functional stenosis severity before and after percutaneous transluminal coronary angioplasty. 1993 , 87, 1354-67	824
970	Luminal narrowing after percutaneous transluminal coronary angioplasty. A study of clinical, procedural, and lesional factors related to long-term angiographic outcome. Coronary Artery Restenosis Prevention on Repeated Thromboxane Antagonism (CARPORT) Study Group. 1993 , 88, 975-85	115
969	Coronary flow reserve. 1993 , 69, 279-81	12
968	Left main coronary flow velocity associated with stenosis. Evaluation by transesophageal color-guided pulsed Doppler technique. 1993 , 104, 690-3	4
967	Three-dimensional reconstruction of the coronary arterial tree geometry--rationale and recent progress. 1993 , 1905, 307	2
966	Acute isovolemic hemodilution and blood transfusion. 1993 , 105, 694-704	81
965	Effect of magnesium on restenosis after percutaneous transluminal coronary angioplasty: a clinical and angiographic evaluation in a randomized patient population. A pilot study. The Ichilov Magnesium Study Group. 1994 , 15, 1164-73	8
964	Slope of the instantaneous hyperemic diastolic coronary flow velocity-pressure relation. A new index for assessment of the physiological significance of coronary stenosis in humans. 1994 , 90, 1215-24	70
963	Coronary flow reserve calculated from pressure measurements in humans. Validation with positron emission tomography. 1994 , 89, 1013-22	369

962	Doppler flow velocity measurements during coronary angioplasty. 1994 , 45, 877-82	3
961	Digital angiographic assessment of the physiological changes to the regional microcirculation induced by successful coronary angioplasty. 1994 , 90, 163-71	11
960	Quantitative coronary arteriography and its assessment of atherosclerosis. Part II. Calculating stenosis flow reserve from percent diameter stenosis. 1994 , 45, 835-40	16
959	Relation between myocardial blood flow and the severity of coronary-artery stenosis. 1994 , 330, 1782-8	716
958	Relation between coronary artery stenosis assessed by visual, caliper, and computer methods and exercise capacity in patients with single-vessel coronary artery disease. The Veterans Affairs ACME Investigators. 1994 , 89, 2005-14	54
957	Quantitative Coronary Angiography in Clinical Practice. 1994 ,	49
956	Effect of transcutaneous electrical nerve stimulation on coronary blood flow. 1994 , 89, 694-702	109
955	Identification of coronary artery stenoses and poststenotic blood flow patterns using a miniature high-frequency epicardial transducer. 1994 , 89, 731-9	13
954	Digital angiographic impulse response analysis of regional myocardial perfusion. Detection of autoregulatory changes in nonstenotic coronary arteries induced by collateral flow to adjacent stenotic arteries. 1994 , 89, 1004-12	11
953	Correlation of pharmacological 99mTc-sestamibi myocardial perfusion imaging with poststenotic coronary flow reserve in patients with angiographically intermediate coronary artery stenoses. 1994 , 89, 2150-60	224
952	Predictive value of reactive hyperemic response on reperfusion on recovery of regional myocardial function after coronary angioplasty in acute myocardial infarction. 1994 , 89, 1109-17	64
951	Determinants of collateral development in a canine model with repeated coronary occlusion. 1994 , 9, 292-9	10
950	Applying coronary physiology for the nuclear cardiologist: new observations from intracoronary flow velocity and reserve in patients. 1994 , 1, 561-6	1
949	Coronary stenoses with low translesional gradient and abnormal coronary reserve: physiologic results after angioplasty. 1994 , 32, 354-8	
948	Part XII: Assessment of serial lesions in the proximal right coronary artery following intracoronary thrombolysis. 1994 , 33, 349-55	2
947	Quantitative coronary angiography (QCA) in interventional cardiology: clinical application of QCA measurements. 1994 , 36, 363-84	46
946	Quantitative coronary angiography in the estimation of the functional significance of coronary stenosis: correlations with dobutamine-atropine stress test. 1994 , 23, 1434-9	101
945	Intracoronary Doppler guide wire versus stress single-photon emission computed tomographic thallium-201 imaging in assessment of intermediate coronary stenoses. 1994 , 24, 940-7	148

944	ST-segment depression during adenosine infusion as a predictor of myocardial ischemia. 1994 , 127, 305-11	28
943	Midazolam's effects on myocardial load and coronary perfusion: reduced regional O ₂ consumption and lactate production during ischemia in dogs. 1994 , 8, 302-9	6
942	Tolerance of acute isovolaemic haemodilution in a canine model of single-versus multi-vessel coronary artery disease. 1994 , 8, 120	
941	Reversal of coronary atherosclerosis. Clinical promise as the basis for noninvasive management of coronary artery disease. 1994 , 90, 1558-71	36
940	Myocardial perfusion and ventricular function measurements during total coronary artery occlusion in humans. A comparison with rest and exercise radionuclide studies. 1994 , 89, 278-84	18
939	Combined epidural analgesia and general anesthesia induce ischemia distal to a severe coronary artery stenosis in swine. 1994 , 78, 37-45	21
938	Comparison between regional myocardial perfusion reserve and coronary flow reserve in the canine heart. 1995 , 16, 1860-71	11
937	Assessment of coronary artery stenosis during PTCA by measurement of the trans-stenotic pressure gradient. Comparison with quantitative coronary angiography. 1995 , 16, 1367-74	2
936	New invasive techniques of assessment of the physiological significance of coronary stenoses in humans. 1995 , 16 Suppl I, 104-14	7
935	Principles of interpretation of coronary velocity and pressure tracings. 1995 , 16 Suppl J, 53-9	27
934	Quantification of regional myocardial perfusion by PET: rationale and first clinical results. 1995 , 16 Suppl J, 84-91	10
933	Maximal myocardial perfusion by videodensitometry in the assessment of the early and late results of coronary angioplasty: relationship with coronary artery measurements and left ventricular function at rest. 1995 , 34, 301-10; discussion 311-2	4
932	Effects of atrial, ventricular, and atrioventricular sequential pacing on coronary flow reserve. 1995 , 18, 1628-35	21
931	A kinetic model of coronary reactive hyperemic response to transient ischemia. 1995 , 57, 137-156	
930	A kinetic model of coronary reactive hyperemic response to transient ischemia. 1995 , 57, 137-56	2
929	Coronary microvascular response to intracoronary administration of nicorandil. <i>American Journal of Cardiology</i> , 1995 , 75, 246-50	3 49
928	Coronary reserve: concept and physiological variations. 1995 , 16 Suppl I, 2-6	29
927	New concepts for interpretation of intracoronary velocity and pressure tracings. 1995 , 74, 485-92	9

926	Prestenotic and Poststenotic Flow Measurement to Assess Severity of Coronary Artery Stenosis. 1995 , 29, 189-197	1
925	Doppler guide wire flow-velocity indexes measured distal to coronary stenoses associated with reversible thallium perfusion defects. 1995 , 129, 219-27	60
924	Comparison of pressure-derived fractional flow reserve with poststenotic coronary flow velocity reserve for prediction of stress myocardial perfusion imaging results. 1995 , 130, 723-33	36
923	Limited value of exercise testing in the detection of silent restenosis after successful coronary angioplasty. 1995 , 129, 452-9	41
922	Dipyridamole-thallium versus dobutamine echocardiographic stress testing: a clinician's viewpoint. 1995 , 130, 373-85	7
921	Clinical outcome of deferring angioplasty in patients with normal translesional pressure-flow velocity measurements. 1995 , 25, 178-87	130
920	Estimation of coronary flow reserve by transesophageal coronary sinus Doppler measurements in patients with syndrome X and patients with significant left coronary artery disease. 1995 , 25, 1039-45	20
919	Quantification of recruitable coronary collateral blood flow in conscious humans and its potential to predict future ischemic events. 1995 , 25, 1522-8	191
918	Noninvasive quantification of regional myocardial flow reserve in patients with coronary atherosclerosis using nitrogen-13 ammonia positron emission tomography. Determination of extent of altered vascular reactivity. 1995 , 26, 1465-75	121
917	Quantitative coronary angiography in predicting functional significance of stenoses in an unselected patient cohort. 1995 , 26, 328-34	99
916	Residual coronary reserve identifies segmental viability in patients with wall motion abnormalities. 1995 , 26, 342-50	42
915	Left-sided stellate ganglion ablation or "rate-controlled" vagal nerve stimulation decreases regional myocardial metabolic impairment during acute ischemia in dogs. 1995 , 9, 50-8	7
914	Estimation of severity of stenosis with a Doppler guide wire in the experimental models. 1995 , 8, 595-601	1
913	Long-term intermittent urokinase therapy in patients with end-stage coronary artery disease and refractory angina pectoris: a randomized dose-response trial. 1996 , 27, 575-84	33
912	The impact of myocardial blood flow quantitation with PET on the understanding of cardiac diseases. 1996 , 17, 25-34	36
911	Does positron emission tomography contribute to the management of clinical cardiac problems?. 1996 , 17, 174-81	8
910	Assessing coronary stenosis. Quantitative coronary angiography versus visual estimation from cine-film or pharmacological stress perfusion images. 1996 , 17, 1167-74	39
909	Assessing the physiologic significance of coronary artery disease: role of Doppler methodology. 1996 , 19, 172-8	2

908	Predicting ischaemic events in the perioperative period: in search of the perfect tool. 1996 , 43, 989-94		3
907	Time course of impaired coronary flow reserve after reperfusion in patients with acute myocardial infarction. <i>American Journal of Cardiology</i> , 1996 , 78, 1103-8	3	38
906	Transesophageal assessment of coronary flow velocity reserve during "regular" and "high"-dose dipyridamole stress testing. <i>American Journal of Cardiology</i> , 1996 , 77, 1164-8	3	31
905	Stress echocardiography for the assessment of myocardial ischemia and viability. 1996 , 21, 445-520		15
904	Velocity-encoded, phase-difference cine MRI measurements of coronary artery flow: dependence of flow accuracy on the number of cine frames. 1996 , 6, 733-42		22
903	Assessment of flow in the right human coronary artery by magnetic resonance phase contrast velocity measurement: effects of cardiac and respiratory motion. 1996 , 35, 521-31		73
902	Utilization of translesional hemodynamics: comparison of pressure and flow methods in stenosis assessment in patients with coronary artery disease. 1996 , 38, 189-201		25
901	Comparison of intravenous adenosine to intracoronary papaverine for calculation of pressure-derived fractional flow reserve. 1996 , 39, 120-5		54
900	Are the differences between adenosine and dipyridamole clinically relevant?. 1996 , 3, 281-3		8
899	Dynamics of Vascular Remodeling: An Overview and Bibliography. 1996 , 3, 71-86		0
898	Validation of noninvasive studies for detecting coronary artery disease: beauty versus blood flow. 1996 , 3, S1-9		0
897	Assessing the severity of coronary-artery stenoses. 1996 , 334, 1735-7		54
896	Hemodynamic consequences of stenosis remodeling during coronary angioplasty. 1997 , 48, 99-109		17
895	Evaluation of successful PTCA by transstenotic flow velocity ratios. 1997 , 48, 775-82		1
894	Clinical application of coronary flow reserve using an intracoronary Doppler guide wire. 1997 , 15, 101-29		19
893	Practical coronary physiology. Clinical application of the Doppler flow velocity guide wire. 1997 , 15, 77-99		15
892	Correlations between coronary flow reserve measured with a Doppler guide wire and treadmill exercise testing. 1997 , 134, 99-104		24
891	Diagnostic value of exercise electrocardiography and angina after coronary artery stenting. Benestent Study Group. 1997 , 133, 240-8		15

890	Measurement of coronary blood flow velocity during handgrip exercise using breath-hold velocity encoded cine magnetic resonance imaging. <i>American Journal of Cardiology</i> , 1997 , 79, 234-7	3	22
889	Myocardial blood flow heterogeneity in shock and small-volume resuscitation in pigs with coronary stenosis. 1997 , 83, 1832-41		12
888	Atherosclerosis and arteriosclerosis in chronic renal failure. 1997 , 51, 1678-95		242
887	Fractional Flow Reserve. 1997 , 6, 34-35		2
886	Coronary flow reserve assessed by transesophageal echocardiography identifies early restenosis of the left anterior descending coronary artery angioplasty. <i>American Journal of Cardiology</i> , 1997 , 79, 803-7		13
885	Left atrial abnormality in acute myocardial infarction. <i>American Journal of Cardiology</i> , 1997 , 79, 807-11	3	16
884	Role of adenosine in the cardiac catheterization laboratory. <i>American Journal of Cardiology</i> , 1997 , 79, 15-9	3	8
883	Myocardial perfusion imaging during adenosine-induced coronary hyperemia. <i>American Journal of Cardiology</i> , 1997 , 79, 20-4	3	15
882	Analysis of phasic flow velocity dynamics in the left anterior descending coronary artery before and after angioplasty using transthoracic echocardiography in patients with stable angina pectoris. <i>American Journal of Cardiology</i> , 1997 , 80, 614-7	3	11
881	Transesophageal Doppler evaluation of left anterior descending coronary artery angioplasty. <i>American Journal of Cardiology</i> , 1997 , 80, 947-51	3	10
880	Relation of hemodynamic variables to augmentation of left anterior descending coronary flow by intraaortic balloon pulsation in coronary artery disease. <i>American Journal of Cardiology</i> , 1997 , 80, 951-5	3	15
879	Mechanisms of limited maximum coronary flow in severe single-vessel coronary artery disease in humans due to vertical steal. <i>American Journal of Cardiology</i> , 1997 , 80, 1597-601	3	5
878	Usefulness of myocardial velocity gradient derived from two-dimensional tissue Doppler imaging as an indicator of regional myocardial contraction independent of translational motion assessed in atrial septal defect. <i>American Journal of Cardiology</i> , 1997 , 79, 237-41	3	69
877	Clinical methods to determine coronary flow and myocardial perfusion. 1997 , 13, 79-94; discussion 95-7		5
876	[New developments in parameter-oriented roentgen densitometry perfusion analysis within the scope of heart catheter studies]. 1997 , 22, 72-86		1
875	Quantitative assessment of abdominal aortic atherosclerosis observed in CT scans. 1997 , 21, 185-93		9
874	Assessment of coronary blood flow in humans using phase difference MR imaging. Comparison with intracoronary Doppler flow measurement. 1998 , 14, 179-86; discussion 187-9		13
873	Update of Coronary Doppler Flow Measurements. 1998 , 11, S120-S124		

872	Coronary arteriography and lipid lowering: limitations, new concepts, and new paradigms in cardiovascular medicine. <i>American Journal of Cardiology</i> , 1998 , 82, 12M-21M	3	4
871	Comparison of coronary flow velocity and regional myocardial perfusion for functional evaluation of coronary artery disease in the setting of angioplasty. 1998 , 45, 16-24		5
870	Coronary flow and flow reserve in canines using MR phase difference and complex difference processing. 1998 , 40, 656-65		8
869	Developments in cardiovascular ultrasound. Part 3: Cardiac applications. 1998 , 36, 529-43		3
868	Enhancement of ventricular gradient variability during acute myocardial ischemia. 1998 , 65, 173-80		1
867	Which variable of stenosis severity best describes the significance of an isolated left anterior descending coronary artery lesion? Correlation between quantitative coronary angiography, intracoronary Doppler measurements and high dose dipyridamole echocardiography. 1998 , 31, 526-33		27
866	Evaluation of coronary flow velocity dynamics and flow reserve in patients with Kawasaki disease by means of a Doppler guide wire. 1998 , 31, 833-40		58
865	Underestimation of extent and severity of coronary artery disease by dipyridamole stress thallium-201 single-photon emission computed tomographic myocardial perfusion imaging in patients taking antianginal drugs. 1998 , 31, 1540-6		66
864	Effects of critical coronary stenosis on global systolic left ventricular function quantified by pressure-volume relations during dobutamine stress in the canine heart. 1998 , 32, 816-26		54
863	Noninvasive assessment of coronary flow velocity and coronary flow velocity reserve in the left anterior descending coronary artery by Doppler echocardiography: comparison with invasive technique. 1998 , 32, 1251-9		351
862	Current concepts of coronary flow reserve for clinical decision making during cardiac catheterization. 1998 , 136, 136-49		86
861	Particle motion within in vitro models of stenosed internal carotid and left anterior descending coronary arteries. 1998 , 26, 190-9		30
860	Correlation between quantitative angiographic lesion severity and myocardial contrast intensity during a continuous infusion of perfluorocarbon-containing microbubbles. 1998 , 11, 702-10		22
859	Immediate and long-term effect of balloon angioplasty or stent implantation on the absolute and relative coronary blood flow velocity reserve. 1998 , 98, 2133-40		78
858	Myocardial hibernation and stunning: from physiological principles to clinical practice. 1998 , 80, 218-22		17
857	Improved assessment of coronary stenosis severity using the relative flow velocity reserve. 1998 , 98, 40-6		96
856	Noninvasive assessment of significant left anterior descending coronary artery stenosis by coronary flow velocity reserve with transthoracic color Doppler echocardiography. 1998 , 97, 1557-62		336
855	Effect of lidocaine on left ventricular pressure-volume curves during demand ischemia in pigs. 1998 , 274, H2100-9		2

854	Graft coronary artery disease is strongly related to the aetiology of heart failure and cellular rejections. 1999 , 20, 1326-34		10
853	Restenosis after Angioplasty in Patients with Left Ventricular Dysfunction. 1999 , 7, 209-213		
852	Noninvasive Measurement of Left Coronary Blood Flow Reserve by Transthoracic Doppler Echocardiography: Comparison with Doppler Guidewire Ultrasonography. 1999 , 16, 547-557		6
851	Coronary Flow Reserve Versus Geometric Measurements of Coronary Dimensions: Advantages and Limitations of the Functional Stenosis Assessment. 1999 , 12, 411-424		5
850	PET measurement of the coronary flow reserve and microcirculatory function. 1999 , 24, 522-30		5
849	Value of exercise electrocardiography in the detection of restenosis after coronary angioplasty in patients with one-vessel disease. <i>American Journal of Cardiology</i> , 1999 , 84, 258-63	3	15
848	Magnetic resonance perfusion imaging in ischemic heart disease. 1999 , 10, 423-33		22
847	Evaluation of coronary artery bypass grafts by magnetic resonance imaging. 1999 , 10, 434-41		17
846	Assessment of coronary flow reserve with fast cine phase contrast magnetic resonance imaging: comparison with measurement by Doppler guide wire. 1999 , 10, 563-8		37
845	MR measurement of coronary blood flow. 1999 , 10, 728-33		48
844	Minimally invasive evaluation of coronary stents with electron beam computed tomography: In vivo and in vitro experience. 1999 , 48, 39-47		20
843	Fast magnetic resonance imaging of the heart. 1999 , 29, 101-13		20
842	Non-invasive evaluation of coronary reserve. Assessment of coronary reserve in patients with coronary artery disease by transesophageal-Doppler echocardiography. 1999 , 68, 107-13		6
841	Effect of CABG on coronary flow reserve in atresia of the left coronary ostium. 1999 , 68, 1069-71		
840	Intravascular imaging and physiologic lesion assessment to define critical coronary stenoses. 1999 , 68, 1547-51		0
839	[The Doppler color detection of internal mammary artery anastomoses and a functional assessment of their patency]. 1999 , 52, 253-8		3
838	A myocardial perfusion reserve index in humans using first-pass contrast-enhanced magnetic resonance imaging. 1999 , 33, 1386-94		171
837	ACC/AHA guidelines for coronary angiography. A report of the American College of Cardiology/American Heart Association Task Force on practice guidelines (Committee on Coronary Angiography). Developed in collaboration with the Society for Cardiac Angiography and Interventions. 1999 , 33, 1756-824		794

836	Hyperemic coronary flow after optimized intravascular ultrasound-guided balloon angioplasty and stent implantation. 1999 , 34, 1899-906	12
835	Pharmacological stress testing. 1999 , 29, 298-318	49
834	Significance of coronary flow reserve. 1999 , 137, 766-8	1
833	Reply. 1999 , 137, 767-768	1
832	Inter-observer variability in the angiographic assessment of renal artery stenosis. DRASTIC study group. Dutch Renal Artery Stenosis Intervention Cooperative. 1999 , 17, 1731-6	59
831	Adenosine-induced coronary flow reserve in Watanabe heritable hyperlipidemic rabbits. 2000 , 64, 971-6	2
830	To measure pressure for pleasure--or is intracoronary pressure gauging pressing?. 2000 , 49, 17-8	1
829	Effects of heart rate and right ventricular pressure on right coronary arterial flow and its systolic versus diastolic distribution in a variety of congenital heart diseases in children. 2000 , 42, 476-82	8
828	Simultaneous Assessment of Coronary Flow Reserve and Fractional Flow Reserve with a Novel Pressure-Based Method. 2000 , 13, 323-330	4
827	Problems of coronary flow reserve. 2000 , 28, 884-96	75
826	Severe regional ischemia alters coronary flow reserve in the remote perfusion area. 2000 , 7, 43-52	8
825	Doppler flow wire evaluation of renal blood flow reserve in hypertensive patients with normal renal arteries. 2000 , 23, 340-6	19
824	Cardiovascular magnetic resonance: myocardial perfusion. 2000 , 25, 409-16	32
823	Effects of primary resuscitation from shock on distribution of myocardial blood flow. 2000 , 88, 373-85	8
822	Why should we study the coronary microcirculation?. 2000 , 279, H2581-4	12
821	Assessment of coronary flow reserve using fast velocity-encoded cine MR imaging: validation study using positron emission tomography. 2000 , 175, 1029-33	32
820	Insulin-induced increment of coronary flow reserve is not abolished by dexamethasone in healthy young men. 2000 , 85, 1868-73	34
819	Effects of intravenous and intracoronary adenosine 5'-triphosphate as compared with adenosine on coronary flow and pressure dynamics. 2000 , 101, 318-23	92

818	Diastolic fractional flow reserve to assess the functional severity of moderate coronary artery stenoses: comparison with fractional flow reserve and coronary flow velocity reserve. 2000 , 102, 2365-70	72
817	Prevention of coronary arterial renarrowing by continuous 3-day infusion of tissue plasminogen activator after successful percutaneous transluminal coronary angioplasty: a randomized, double-blind, placebo-controlled study. 2000 , 51, 367-75	
816	Functional assessment of coronary arteries by poststenotic intravascular Doppler ultrasound. 2000 , 37, 594-602	3
815	Noninvasive detection of myocardial ischemia from perfusion reserve based on cardiovascular magnetic resonance. 2000 , 101, 1379-83	469
814	Coronary physiology revisited : practical insights from the cardiac catheterization laboratory. 2000 , 101, 1344-51	194
813	Assessment of myocardial perfusion by harmonic power Doppler imaging at rest and during adenosine stress: comparison with (99m)Tc-sestamibi SPECT imaging. 2000 , 102, 55-60	159
812	Coronary heart disease in smokers: vitamin C restores coronary microcirculatory function. 2000 , 102, 1233-8	198
811	Effect of sex, hemodynamics, body size, and other clinical variables on the corrected thrombolysis in myocardial infarction frame count used as an assessment of coronary blood flow. 2000 , 140, 308-14	24
810	Adequacy of intracoronary versus intravenous adenosine-induced maximal coronary hyperemia for fractional flow reserve measurements. 2000 , 140, 651-7	110
809	Intermediate coronary artery stenosis: evidence-based decisions in interventions to avoid the oculostenotic reflex. 2000 , 3, 195-206	9
808	Mathematical model of pressure-related changes in coronary diameter and their effect on the assessment of coronary flow velocity reserve.	
807	Corrected coronary flow velocity reserve: a new concept for assessing coronary perfusion. 2000 , 35, 1713-20	39
806	Low density lipoprotein cholesterol and coronary microvascular dysfunction in hypercholesterolemia. 2000 , 36, 103-9	163
805	Improvement of myocardial perfusion reserve early after coronary intervention: assessment with cardiac magnetic resonance imaging. 2000 , 36, 1557-64	113
804	Assessment of flow velocity reserve by transthoracic Doppler echocardiography and venous adenosine infusion before and after left anterior descending coronary artery stenting. 2001 , 38, 155-62	105
803	Diagnóstico de la angina estable. 2001 , 8, 2287-2295	
802	Assessment of coronary flow velocity reserve using fast velocity-encoded cine MRI for noninvasive detection of restenosis after coronary stent implantation. 2001 , 3, 209-14	17
801	Diaspirin cross-linked hemoglobin fails to improve left ventricular diastolic function after fluid resuscitation from hemorrhagic shock. 2001 , 33, 318-26	8

800	Serial evaluation of coronary flow reserve by transesophageal doppler echocardiography after angioplasty of proximal left anterior descending coronary artery: a 6-month follow-up study. 2001 , 12, 45-52	7
799	Looks aren't everything. FFR B4 U PTCA. 2001 , 103, 2873-5	6
798	Coronary blood flow assessed by transthoracic echocardiography in neonates. 2001 , 22, 189-93	28
797	[Comparison of various parameters for determining an index of myocardial perfusion reserve in detecting coronary stenosis with cardiovascular magnetic resonance tomography]. 2001 , 90, 824-34	30
796	[Left ventricular diastolic function parameters after PTCA and stent implantation]. 2001 , 90, 621-9	1
795	Agreement between coronary flow velocity reserve and stress echocardiography in intermediate-severity coronary stenoses. 2001 , 53, 29-38	10
794	Comparison of relative coronary Doppler flow velocity reserve to stress myocardial perfusion imaging in patients with coronary artery disease. 2001 , 53, 193-201	14
793	How to define coronary stenosis severity?. 2001 , 53, 202-3	1
792	Curriculum in interventional cardiology: coronary pressure and flow measurements in the cardiac catheterization laboratory. 2001 , 54, 378-400	17
791	Pressure-based simultaneous CFR and FFR measurements: understanding the physiology of a stenosed vessel. 2001 , 31, 353-63	26
790	Validation in the canine model of a new non-invasive method of measuring coronary blood flow reserve: split dose thallium-201 rest/stress imaging. 2001 , 17, 145-52	
789	Estimation of coronary flow reserve with the use of dynamic planar and SPECT images of Tc-99m tetrofosmin. 2001 , 8, 575-9	35
788	Non-Q-wave myocardial infarction: impaired myocardial energy metabolism in regions with reduced 99mTc-MIBI accumulation. 2001 , 28, 602-7	5
787	Simple detection of severe coronary stenosis using transthoracic Doppler echocardiography at rest. <i>American Journal of Cardiology</i> , 2001 , 87, 1064-8	3 29
786	Physiologic assessment of coronary artery stenoses. 2001 , 26, 423-92	3
785	Paradoxical increase in microvascular resistance during tachycardia downstream from a severe stenosis in patients with coronary artery disease : reversal by angioplasty. 2001 , 103, 2352-60	64
784	Coronary thermodilution to assess flow reserve: experimental validation. 2001 , 104, 2003-6	197
783	Microvascular dysfunction in chronic total coronary occlusions. 2001 , 104, 1129-34	35

782	Mr flow measurement in the internal mammary artery-to-coronary artery bypass graft: comparison with graft stenosis at radiographic angiography. 2001 , 220, 441-7	28
781	Improved MR flow mapping in coronary artery bypass grafts during adenosine-induced stress. 2001 , 218, 540-7	38
780	Flow velocity and predictors of a suboptimal coronary flow velocity reserve after coronary balloon angioplasty. 2002 , 23, 133-8	4
779	Impact of final coronary flow velocity reserve on late outcome following stent implantation. 2002 , 23, 331-40	10
778	Magnetic resonance imaging versus Doppler guide wire in the assessment of coronary flow reserve in patients with coronary artery disease. 2002 , 13, 365-72	10
777	Can we prevent in-stent restenosis?. 2002 , 17, 518-25	21
776	Isolated ventricular noncompaction is associated with coronary microcirculatory dysfunction. 2002 , 39, 450-4	161
775	Left anterior descending coronary artery flow and its relation to age in children. 2002 , 15, 69-75	24
774	[Physiology is back in the Cath Lab! Should we abandon angiography in the assessment of intermediate coronary stenosis?]. 2002 , 55, 215-8	
773	[Physiologic evaluation of coronary circulation. Role of invasive and non invasive techniques]. 2002 , 55, 271-91	7
772	Noninvasive assessment of coronary flow velocity and coronary flow velocity reserve in the right coronary artery by transthoracic Doppler echocardiography: comparison with intracoronary Doppler guidewire. 2002 , 15, 1074-9	41
771	Blood flow in the left anterior descending coronary artery in children with ventricular septal defect. 2002 , 15, 807-13	9
770	Study of coronary flow reserve with intravenous use of microbubbles (contrast echocardiography) and adenosine: protocol for clinical application in patients suspected of having coronary heart disease. 2002 , 78, 281-98	6
769	Study of coronary sinus flow reserve through transesophageal Doppler echocardiography in normal subjects. 2002 , 79, 97-106	4
768	Coronary Flow Reserve. 2002 , 151-171	
767	Can transcranial ultrasonication increase recanalization flow with tissue plasminogen activator?. 2002 , 33, 1399-404	66
766	[Coronary flow velocity reserve and collateral resistance after recanalization of chronic total coronary occlusions and periprocedural CK and cTNI elevation]. 2002 , 91, 937-45	1
765	Rationale and methods for assessment of coronary flow prior to coronary intervention: where are we headed?. 2002 , 15, 335-41	

764	What percent luminal stenosis should be used to define angiographic coronary artery disease for noninvasive test evaluation?. 2002 , 7, 98-105	17
763	Numerical modeling of the flow in stenosed coronary artery. The relationship between main hemodynamic parameters. 2002 , 32, 329-44	23
762	Assessment of ischemic heart disease using magnetic resonance first-pass perfusion imaging. 2003 , 28, 82-9	22
761	Usefulness of coronary flow reserve measured by transthoracic coronary Doppler ultrasound to detect severe left anterior descending coronary artery stenosis. <i>American Journal of Cardiology</i> , 2003 , 92, 1320-4	3 18
760	Rest perfusion defects in patients with no history of myocardial infarction predict the presence of a critical coronary artery stenosis. 2003 , 10, 656-62	3
759	Noninvasive assessment of significant right coronary artery stenosis based on coronary flow velocity reserve in the right coronary artery by transthoracic Doppler echocardiography. 2003 , 20, 495-501	7
758	[Detection of angiographic lesions in the left anterior descending coronary artery by transthoracic Doppler echocardiography: usefulness of non-invasive assessment of coronary flow reserve]. 2003 , 56, 561-8	
757	Imaging of myocardial microvasculature using fast computed tomography and three-dimensional microscopic computed tomography. 2003 , 21, 587-605, ix	4
756	[Assessment and therapeutic guideline of intermediate coronary lesions in the catheterization laboratory]. 2003 , 56, 1218-30	2
755	Myocardial perfusion in real-time using power modulation. In vivo evidence for microcirculatory damage after acute myocardial infarction. 2003 , 91, 187-91	2
754	Noninvasive assessment of myocardial ischemia in the left ventricular inferior regions by coronary flow reserve measurement using transthoracic Doppler echocardiography. 2003 , 16, 1252-7	13
753	Intracoronary and intravenous adenosine 5'-triphosphate, adenosine, papaverine, and contrast medium to assess fractional flow reserve in humans. 2003 , 107, 1877-83	274
752	Coronary flow: clinical considerations. 2003 , 89, 361-3	3
751	Detection of early impairment of coronary flow reserve in patients with systemic sclerosis. 2003 , 62, 890-3	76
750	Current concepts in coronary physiology for the interventionalist. 2003 , 5, 109-31	0
749	Regional myocardial perfusion defects during exercise, as assessed by three dimensional integration of morphology and function, in relation to abnormal endothelium dependent vasoreactivity of the coronary microcirculation. 2003 , 89, 517-26	24
748	Angiographic assessment of coronary stenoses: a review of the techniques. 2003 , 111, 77-158	1
747	Reactive hyperemia following coronary balloon angioplasty, but not dipyridamole-induced hyperemia, predicts resolution of exercise-induced ST-segment depression. 2003 , 14, 501-7	6

746	Coronary flow: a new asset for the echo lab?. 2004 , 25, 1867-79	36
745	Blood flow in coronary artery bypass vein grafts: volume versus velocity at cardiovascular MR imaging. 2004 , 232, 915-20	8
744	High-dose dobutamine-atropine stress cardiovascular MR imaging after coronary revascularization in patients with wall motion abnormalities at rest. 2004 , 233, 210-6	62
743	[Non-invasive assessment of coronary artery bypass grafts -- an update]. 2004 , 176, 1079-88	8
742	Alpha-adrenergic receptor blockade and hyperaemic response in patients with intermediate coronary stenoses. 2004 , 25, 2034-9	19
741	Epicardial stenosis severity does not affect minimal microcirculatory resistance. 2004 , 110, 2137-42	181
740	Nuclear Cardiology and Correlative Imaging. 2004 ,	2
739	Coronary Flow Reserve and Myocardial Contrast Echocardiography. 2004 , 117-140	
738	Impairment of coronary circulation by acute hyperhomocysteinaemia and reversal by antioxidant vitamins. 2004 , 256, 398-405	12
737	The current and future role of percutaneous coronary intervention in patients with coronary artery disease. 2004 , 17, 283-94	2
736	Noninvasive coronary flow velocity reserve measurement in the posterior descending coronary artery for detecting coronary stenosis in the right coronary artery using contrast-enhanced transthoracic Doppler echocardiography. 2004 , 21, 225-33	22
735	[Cardiovascular whole body MRI with parallel imaging]. 2004 , 44, 835-43	7
734	Estimation of coronary flow reserve by Tc-99m sestamibi imaging in patients with coronary artery disease: comparison with the results of intracoronary Doppler technique. 2004 , 11, 682-8	37
733	A computer model of fractal myocardial perfusion heterogeneity to elucidate mechanisms of changes in critical coronary stenosis and hypotension. 2004 , 66, 1155-71	6
732	Demonstration of coronary artery flow using transthoracic Doppler echocardiography. 2004 , 17, 178-85	42
731	Positron Emission Tomography of the Heart: Methodology, Findings in the Normal and the Diseased Heart, and Clinical Applications. 2004 , 389-508	8
730	Restenosis detected by routine angiographic follow-up and late mortality after coronary stent placement. 2004 , 147, 317-22	86
729	Fractional flow reserve: critical review of an important physiologic adjunct to angiography. 2004 , 147, 792-802	50

728	Measurement of coronary vasomotor function: getting to the heart of the matter in cardiovascular research. 2004 , 107, 449-60	37
727	B-type natriuretic peptide and extent of lesion on coronary angiography in stable coronary artery disease. 2005 , 16, 225-9	18
726	Imaging Intramyocardial Microcirculatory Function Using Fast Computed Tomography. 2005 , 195-206	3
725	Quantitative assessment of regional myocardial flow reserve using tc-99m-sestamibi imaging. 2005 , 69, 188-93	19
724	Hemodynamic evaluation of saphenous vein coronary artery bypass grafts: relative merits of Doppler flow velocity and SPECT perfusion imaging. 2005 , 12, 545-52	13
723	Defining the "gold standard": a changing paradigm. 2005 , 12, 520-2	
722	Assessing progression or regression of CAD: the role of perfusion imaging. 2005 , 12, 625-38	21
721	Magnetic resonance phase velocity mapping through NiTi stents in a flow phantom model. 2005 , 21, 59-65	15
720	Differences and similarities between coronary atherosclerosis and ischaemic heart disease: implications for cardiac imaging. 2005 , 32, 385-8	4
719	Dipyridamole-dobutamine stress echocardiography for the detection of myocardial ischemia in patients with hypertension. 2005 , 30, 215-22	1
718	Cardiac hemodynamics, coronary circulation and interventional cardiology. 2005 , 33, 1728-34	4
717	Assessment of coronary flow velocity reserve by noninvasive transthoracic Doppler echocardiography in patients with angiographically normal coronary arteries. 2005 , 25, 590-3, 614	
716	The non-invasive documentation of coronary microcirculation impairment: role of transthoracic echocardiography. 2005 , 3, 18	59
715	Coronary Artery Disease. 2005 , 381-437	1
714	Demonstration of Pathologic Coronary Flow Dynamics using Transthoracic Doppler Echocardiography: Its Potential Role in Clinical Decision-Making. 2005 , 35, 269	4
713	Hyaluronidase treatment of coronary glycocalyx increases reactive hyperemia but not adenosine hyperemia in dog hearts. 2005 , 289, H2508-13	22
712	Application of cardiac molecular imaging using positron emission tomography in evaluation of drug and therapeutics for cardiovascular disorders. 2005 , 11, 903-32	41
711	Impaired coronary flow reserve in hemodialysis patients: a transthoracic Doppler echocardiographic study. 2005 , 101, c200-6	52

710	Cardiovascular screening with parallel imaging techniques and a whole-body MR imager. 2005 , 236, 300-10	74
709	Cardiac positron emission tomography imaging. 2005 , 35, 17-36	131
708	Long-term prognostic importance of transient left ventricular dilation during pharmacologic stress echocardiography. 2005 , 18, 57-62	8
707	Myocardial contrast echocardiography assessment of acute changes in collateral perfusion of contralateral coronary artery with coronary flow reserve after coronary angioplasty. 2005 , 18, 697-703	1
706	Three-dimensional coronary reconstruction from routine single-plane coronary angiograms: in vivo quantitative validation. 2005 , 7, 141-5	34
705	Noninvasive diagnosis of restenosis by transthoracic Doppler echocardiography after percutaneous coronary intervention: comparison with exercise TI-SPECT. 2006 , 19, 165-71	6
704	Coronary pressure measurements in post-myocardial infarction patients. 2006 , 8, 7-12	
703	The future of an illusion. 2006 , 47, 2380-3	3
702	Cross-talk between cardiac muscle and coronary vasculature. 2006 , 86, 1263-308	198
701	Experimental study of new diagnostic system for coronary artery disease using coronary transit index. 2006 , 106, 55-60	0
700	Transmural distribution of myocardial blood perfusion and phasic coronary blood flow pattern in a canine model of acute ischemia. 2006 , 107, 382-8	1
699	Coronary Angioplasty and Guidewire Diagnostics. 2006 ,	
698	Ultrasonographic assessment of basal coronary flow as a screening tool to exclude significant left anterior descending coronary artery stenosis. 2006 , 7, 696-700	4
697	Cibenzoline improves coronary flow velocity reserve in patients with hypertrophic obstructive cardiomyopathy. 2006 , 21, 350-5	4
696	Site of coronary sinus drainage does not significantly affect coronary flow reserve in patients long term after Fontan operation. 2006 , 27, 102-109	1
695	Coronary pathophysiology in the cardiac catheterization laboratory. 2006 , 31, 493-550	14
694	The diastolic flow velocity-pressure gradient relation and dpv50 to assess the hemodynamic significance of coronary stenoses. 2006 , 291, H2630-5	24
693	Physiological severity of coronary artery stenosis. 2006 , 291, H2583-5	8

692	The delay of contrast arrival in magnetic resonance first-pass perfusion imaging: a novel non-invasive parameter detecting collateral-dependent myocardium. 2007 , 93, 842-7	14
691	In Vitro Quantification of Guidewire Flow-Obstruction Effect in Model Coronary Stenoses for Interventional Diagnostic Procedure. 2007 , 1, 185	13
690	Hydatid cyst of the heart. 2007 , 93, 847	1
689	Changes in coronary flow reserve following stent implantation in the swine descending thoracic aorta. 2007 , 14, 544-50	12
688	Difference in myocardial flow reserve between patients with dilated cardiomyopathy and those with dilated phase of hypertrophic cardiomyopathy: evaluation by 15O-water PET. 2007 , 71, 884-90	10
687	Comparison of clinical characteristics and prognosis in Taiwanese patients with coronary vasospastic angina pectoris without significant fixed coronary artery disease versus patients with significant fixed coronary artery disease and either stable angina pectoris or acute coronary syndromes. 2007 , 93, 110-7	11
686	Drug-eluting stents: preventing restenosis. 2007 , 15, 1-12	31
685	Myocardial Perfusion and Coronary Vasomotor Function: Emerging Role of PET Imaging. 2007 , 4, 322-332	
684	How good are experienced interventional cardiologists at predicting the functional significance of intermediate or equivocal left main coronary artery stenoses?. 2007 , 120, 254-61	76
683	Catheter-based transcatheter myocardial hypothermia attenuates arrhythmia and myocardial necrosis in pigs with acute myocardial infarction. 2007 , 49, 250-60	39
682	Assessment of intermediate severity coronary lesions in the catheterization laboratory. 2007 , 49, 839-48	162
681	Does coronary vasodilation after adenosine override endothelin-1-induced coronary vasoconstriction?. 2007 , 292, H496-502	9
680	The impact of chronically diseased coronary arteries and stenting on the corrected TIMI frame count in elective coronary angiography and percutaneous coronary intervention procedures. 2007 , 70, 691-700	5
679	Effects of isoflurane on coronary blood flow velocity in young, old and ApoE(-/-) mice measured by Doppler ultrasound. 2007 , 33, 512-21	43
678	Will 3-dimensional PET-CT enable the routine quantification of myocardial blood flow?. 2007 , 14, 380-97	69
677	Characterizing momentum change and viscous loss of a hemodynamic endpoint in assessment of coronary lesions. 2007 , 40, 652-62	30
676	Applying drug-eluting stents in clinical practice. <i>American Journal of Cardiology</i> , 2007 , 100, 25K-31K	3 5
675	Unique effect of nebivolol on coronary hemodynamics: it's all a matter of flow. 2007 , 21, 75-6	2

674	Coronary artery flow measurement using navigator echo gated phase contrast magnetic resonance velocity mapping at 3.0 T. 2008 , 41, 595-602	52
673	The oft neglected rest study. 2008 , 15, 739-42	3
672	Quantitative relationship between coronary vasodilator reserve assessed by 82Rb PET imaging and coronary artery stenosis severity. 2008 , 35, 1593-601	65
671	Echocardiographic assessment of coronary flow velocity and coronary flow velocity reserve in ischemic cardiac disease. 2008 , 1, 49-57	
670	Medical therapies for chronic stable angina. 2008 , 2, 350-358	
669	Feasibility and diagnostic power of transthoracic coronary Doppler for coronary flow velocity reserve in patients referred for myocardial perfusion imaging. 2008 , 6, 12	4
668	Comparison of quantitative coronary angiography and first-pass perfusion magnetic resonance imaging for the detection of an impaired coronary perfusion in nonsevere coronary stenosis. 2008 , 27, 1005-11	7
667	Doppler estimation of reduced coronary flow reserve in mice with pressure overload cardiac hypertrophy. 2008 , 34, 892-901	45
666	Assessment of coronary flow reserve using single photon emission computed tomography with technetium 99m-labeled tracers. 2008 , 15, 456-65	25
665	Beta-blockers and coronary flow reserve: the importance of a vasodilatory action. 2008 , 68, 579-90	39
664	Hemodynamic diagnostics of epicardial coronary stenoses: in-vitro experimental and computational study. 2008 , 7, 24	37
663	Limitations of computed tomography coronary angiography. 2008 , 52, 2145-7	43
662	Angiographic and physiologic assessment of coronary flow and myocardial perfusion in the cardiac catheterization laboratory. 2008 , 10, 69-78	3
661	Effect of rapamycin therapy on coronary artery physiology early after cardiac transplantation. 2008 , 155, 889.e1-6	26
660	The oft neglected rest study. 2008 , 15, 739-742	
659	Coronary vasospasm as the underlying cause for chest pain in patients with PVB19 myocarditis. 2008 , 94, 1456-63	118
658	Incremental value of pulse wave velocity in the determination of coronary microcirculatory dysfunction in never-treated patients with essential hypertension. 2008 , 21, 806-13	68
657	Echocardiography: left ventricular hypertrophy and atherosclerosis Philip R Liebson. 2008 , 11-20	

656	Radionuclide PET and PET/CT in coronary artery disease. 2008 , 14, 1798-814	10
655	Pressure wire and related technologies. 2008 , 119-130	
654	Nanoparticles as Contrast Agents for MRI of Atherosclerotic Lesions. 2008 , 2, CMC.S642	3
653	Assessment of Intermediate Coronary Stenosis in Koreans Using the Fractional Flow Reserve. 2008 , 38, 468	3
652	Coronary flow reserve as an index of cardiac function in mice with cardiovascular abnormalities. 2009 , 2009, 1094-7	7
651	Is computed tomography coronary angiography the most accurate and effective noninvasive imaging tool to evaluate patients with acute chest pain in the emergency department? CT coronary angiography is the most accurate and effective noninvasive imaging tool for evaluating patients presenting with chest pain to the emergency department. 2009 , 2, 264-75	10
650	Role of fractional and coronary flow reserve in clinical decision making in intermediate coronary lesions. 2009 , 1, 237-255	21
649	Noninvasive assessment of myocardial perfusion. 2009 , 2, 412-24	144
648	Regional myocardial perfusion reserve determined using myocardial perfusion magnetic resonance imaging showed a direct correlation with coronary flow velocity reserve by Doppler flow wire. 2009 , 30, 444-52	44
647	Echocardiography in Acute Coronary Syndrome. 2009 ,	1
646	Current methods of pharmacologic stress testing and the potential advantages of new agents. 2009 , 37, 14-25	33
645	The angiographic definition of critical coronary stenosis. 1978 , 615, 9-17	4
644	10. THALLIUM201 EXERCISE TESTING IN CORONARY ARTERY DISEASE. 2009 , 203, 77-84	
643	Burden of coronary artery disease in adults with congenital heart disease and its relation to congenital and traditional heart risk factors. <i>American Journal of Cardiology</i> , 2009 , 103, 1445-50	3 112
642	Use of the TIMI frame count in the assessment of coronary artery blood flow and microvascular function over the past 15 years. 2009 , 27, 316-28	33
641	The effect of beta-blockers on the diagnostic accuracy of vasodilator pharmacologic SPECT myocardial perfusion imaging. 2009 , 16, 358-67	23
640	Witnessing ischemia or proofing coronary atherosclerosis: two different windows on the same or on different pathways precipitating cardiovascular events?. 2009 , 16, 447-55	3
639	Assessment of the arterial input function for estimation of coronary flow reserve by single photon emission computed tomography: comparison of two different approaches. 2009 , 36, 2034-41	14

638	Caucasian patients suffering from coronary vasospastic angina have an intact peripheral endothelium-dependent vasoreactivity. 2009 , 135, 240-2		1
637	Quantification of myocardial flow reserve using positron emission imaging the journey to clinical use. 2009 , 54, 157-9		20
636	Coronary flow reserve and pharmacologic stress perfusion imaging: beginnings and evolution. <i>JACC: Cardiovascular Imaging</i> , 2009 , 2, 664-9	8.4	21
635	Does coronary flow trump coronary anatomy?. <i>JACC: Cardiovascular Imaging</i> , 2009 , 2, 1009-23	8.4	149
634	Advances in coronary microvascular dysfunction. 2009 , 18, 19-27		43
633	Therapeutic Promotion of the Human Coronary Collateral Circulation. 2009 , 305-408		
632	Molecular Imaging in Cardiology. 2009 , 299-323		1
631	The Ischemic Cascade 2009 , 149-160		
630	Two and three-dimensional quantitative coronary angiography. 2009 , 27, 491-502		4
629	3. Progress in Echocardiographic Diagnosis. 2009 , 98, 263-271		1
628	Quantitative analysis of myocardial contrast enhancement by first-pass 64-multidetector computed tomography in patients with coronary heart disease. 2009 , 73, 116-24		4
627	Coronary pressure measurement based decision making for percutaneous coronary intervention. 2009 , 5, 323-33		2
626	Combination of serum adiponectin level and metabolic syndrome is closely associated with coronary artery disease in Japanese subjects with good glycemic control. 2010 , 49, 721-7		10
625	Coronary branch steal: experimental validation and clinical implications of interacting stenosis in branching coronary arteries. 2010 , 3, 701-9		27
624	Risk assessment for cardiovascular disease - microvascular dysfunction -. 2010 , 74, 1296-7		1
623	Coronary vasomotor function assessed by positron emission tomography. 2010 , 37, 1213-24		11
622	Measurement of coronary flow reserve by noninvasive cardiac imaging. 2010 , 37, 1198-202		3
621	Reduced coronary flow reserve in patients with primary hyperparathyroidism: a study by G-SPECT myocardial perfusion imaging. 2010 , 37, 2256-63		27

620	Comparison of diagnostic performances of three different software packages in detecting coronary artery disease. 2010 , 37, 2068-9	
619	Patient-specific modeling of blood flow and pressure in human coronary arteries. 2010 , 38, 3195-209	345
618	Assessment of myocardial perfusion and function with PET and PET/CT. 2010 , 17, 498-513	50
617	Anatomy and physiology of coronary blood flow. 2010 , 17, 545-54	68
616	The clinical utility of assessing myocardial blood flow using positron emission tomography. 2010 , 17, 571-81	30
615	Accurate measurement of pulsatile flow velocity in a small tube phantom: comparison of phase-contrast cine magnetic resonance imaging and intraluminal Doppler guidewire. 2010 , 28, 571-7	6
614	Clinical characteristics in patients showing ischemic electrocardiographic changes during adenosine triphosphate loading single-photon emission computed tomography. 2010 , 55, 370-6	5
613	Therapeutic advances in myocardial microvascular resistance: unravelling the enigma. 2010 , 127, 131-47	23
612	Womersley number-based estimation of flow rate with Doppler ultrasound: sensitivity analysis and first clinical application. 2010 , 98, 151-60	10
611	Practical tips and tricks for the measurement of fractional flow reserve. 2010 , 76, 978-85	10
610	Right coronary artery flow velocity and volume assessment with spiral K-space sampled breathhold velocity-encoded MRI at 3 tesla: accuracy and reproducibility. 2010 , 31, 1215-23	12
609	Wall shear over high degree stenoses pertinent to atherothrombosis. 2010 , 43, 2970-7	96
608	A novel 3-d reconstruction system for the assessment of bifurcation lesions treated by the mini-crush technique. 2010 , 23, 46-53	11
607	Cardiac magnetic resonance imaging to guide complex revascularization in stable coronary artery disease. 2010 , 31, 2209-15	32
606	Coronary flow reserve in mice: effects of age, coronary disease, and vascular loading. 2010 , 2010, 3780-3	7
605	Diagnostic value of perfusion cardiovascular magnetic resonance in patients with angina pectoris but normal coronary angiograms assessed by intracoronary acetylcholine testing. 2010 , 96, 372-9	25
604	Impact of competitive flow on wall shear stress in coronary surgery: computational fluid dynamics of a LIMA-LAD model. 2010 , 88, 512-9	68
603	Incremental predictive value of carotid intima-media thickness to arterial stiffness for impaired coronary flow reserve in untreated hypertensives. 2010 , 33, 367-73	17

602	Detection of restenosis after percutaneous coronary intervention in three major coronary arteries by transthoracic Doppler echocardiography. 2010 , 23, 553-9	19
601	Physiologic lesion assessment during percutaneous coronary intervention. 2010 , 28, 31-54	9
600	The physiologic evaluation of stenosis by transthoracic Doppler: a bit of theory, a lot of practice. 2011 , 24, 382-4	1
599	The effects of stenosis severity on the hemodynamic parameters-assessment of the correlation between stress phase angle and wall shear stress. 2011 , 44, 2614-26	26
598	Integrated coronary physiology in percutaneous intervention: a new paradigm in interventional cardiology. 2011 , 20, 641-6	3
597	Clinical Applications of Transthoracic Doppler Echocardiographic Coronary Flow Reserve Measurements in the Left Anterior Descending Coronary Artery. 2011 , 19, 115-121	1
596	Vulnerable plaque features on coronary CT angiography as markers of inducible regional myocardial hypoperfusion from severe coronary artery stenoses. 2011 , 219, 588-95	65
595	Coronary Artery Diseases. 2011 , 511-551	
594	Imaging techniques for assessment of coronary flow reserve. 2011 , 76, 192-7	2
593	Myocardial performance. 316-329	
592	Angiography is the gold standard and objective evidence of myocardial ischemia is mandatory if lesion severity is questionable. - Indication of PCI for angiographically significant coronary artery stenosis without objective evidence of myocardial ischemia (Pro)-. 2011 , 75, 204-10; discussion 217	12
591	Endogenous oestradiol but not testosterone is related to coronary artery disease in men. 2011 , 75, 177-83	12
590	Microvascular coronary dysfunction in women: pathophysiology, diagnosis, and management. 2011 , 36, 291-318	82
589	Coronary flow: the holy grail of echocardiography?. <i>American Journal of Cardiology</i> , 2011 , 107, 1329-32	3
588	[Interest of coronary flow reserve of the LAD during dobutamine stress echocardiography]. 2011 , 60, 197-201	0
587	Coronary flow reserve varies depending upon the location within the artery it is assessed and the TIMI myocardial perfusion grade: a PROTECT TIMI-30 analysis. 2011 , 32, 448-52	1
586	Techniques for phenotyping coronary artery disease in the cardiac catheterization laboratory for applications in translational research. 2011 , 4, 385-92	6
585	Characterization of the differential response of endothelial cells exposed to normal and elevated laminar shear stress. 2011 , 226, 2841-8	86

584	Don't judge a book by its cover: don't judge stenosis severity solely by intravascular ultrasound. 2011 , 4, 6-8	1
583	Perfusion imaging with vasodilator stress echocardiography: a physiologically sound approach to coronary disease?. 2011 , 4, 601-3	1
582	Myocardial perfusion imaging after coronary artery bypass surgery using cardiovascular magnetic resonance: a validation study. 2011 , 4, 312-8	10
581	Doppler velocity measurements from large and small arteries of mice. 2011 , 301, H269-78	34
580	New method to measure coronary velocity and coronary flow reserve. 2011 , 301, H21-8	6
579	Quantification of coronary microvascular resistance using angiographic images for volumetric blood flow measurement: in vivo validation. 2011 , 300, H2096-104	12
578	Assessment of coronary microcirculation in a swine animal model. 2011 , 301, H402-8	9
577	Influence of heart rate on fractional flow reserve, pressure drop coefficient, and lesion flow coefficient for epicardial coronary stenosis in a porcine model. 2011 , 300, H382-7	24
576	Quantification of absolute coronary flow reserve and relative fractional flow reserve in a swine animal model using angiographic image data. 2012 , 303, H401-10	9
575	Effect of heart rate on hemodynamic endpoints under concomitant microvascular disease in a porcine model. 2012 , 302, H1563-73	12
574	Coronary microcirculatory resistance is independent of epicardial stenosis. 2012 , 5, 103-8, S1-2	55
573	Basal stenosis resistance: another adenosine-free contender for the lesion assessment crown?. 2012 , 5, 456-8	6
572	When collateral supply is accounted for epicardial stenosis does not increase microvascular resistance. 2012 , 5, 97-102	27
571	Clinical Application of PET Myocardial Perfusion Imaging. 2012 , 8, 284-294	0
570	Molecular imaging of disease with targeted contrast ultrasound imaging. 2012 , 159, 140-8	29
569	The Cardiovascular System. 2012 , 241-270	2
568	The impact of aging and atherosclerotic risk factors on transthoracic coronary flow reserve in subjects with normal coronary angiography. 2012 , 10, 20	30
567	Coronary collaterals and risk for restenosis after percutaneous coronary interventions: a meta-analysis. 2012 , 10, 62	19

566	Coronary flow velocity reserve and survival. <i>JACC: Cardiovascular Imaging</i> , 2012 , 5, 1086-7	8.4	1
565	Journey in evolution of nuclear cardiology: will there be another quantum leap with the F-18-labeled myocardial perfusion tracers?. <i>JACC: Cardiovascular Imaging</i> , 2012 , 5, 1269-84	8.4	47
564	Coronary Artery Stenosis on Cardiac CT. 2012 , 139-146		
563	Integrating Physiologic and Anatomic Assessment of Coronary Artery Disease by Coronary Computed Tomographic Angiography. 2012 , 5, 301-309		
562	Identifying and redefining stenosis by CT angiography. 2012 , 30, 57-67		
561	Non-invasive assessment of functionally relevant coronary artery stenoses with quantitative CT perfusion: preliminary clinical experiences. 2012 , 22, 39-50		51
560	Platelet transport rates and binding kinetics at high shear over a thrombus. 2013 , 105, 502-11		39
559	Modeling of fractional flow reserve based on coronary CT angiography. 2013 , 15, 336		22
558	Coronary flow reserve from mouse to man--from mechanistic understanding to future interventions. 2013 , 6, 715-28		30
557	VERIFY (VERification of Instantaneous Wave-Free Ratio and Fractional Flow Reserve for the Assessment of Coronary Artery Stenosis Severity in EverydaY Practice): a multicenter study in consecutive patients. 2013 , 61, 1421-7		160
556	Altered coronary flow velocity reserve and left ventricular wall motion dynamics: a phenomenon in hypertensive patients with ECG strain. 2013 , 30, 634-43		2
555	Cardiovascular Hemodynamics. 2013 ,		
554	Les techniques invasives d'évaluation d'une sthose coronaire. 2013 , 2013, 16-22		
553	La FFR. 2013 , 2013, 23-25		2
552	Computational fluid dynamics applied to cardiac computed tomography for noninvasive quantification of fractional flow reserve: scientific basis. 2013 , 61, 2233-41		695
551	Anatomic versus physiologic assessment of coronary artery disease. Role of coronary flow reserve, fractional flow reserve, and positron emission tomography imaging in revascularization decision-making. 2013 , 62, 1639-1653		373
550	Fractional flow reserve as a surrogate for inducible myocardial ischaemia. 2013 , 10, 439-52		111
549	Prognostic value of coronary flow reserve assessed by transthoracic Doppler echocardiography on long-term outcome in asymptomatic patients with type 2 diabetes without overt coronary artery disease. 2013 , 12, 121		31

548	Diagnostic classification of the instantaneous wave-free ratio is equivalent to fractional flow reserve and is not improved with adenosine administration. Results of CLARIFY (Classification Accuracy of Pressure-Only Ratios Against Indices Using Flow Study). 2013 , 61, 1409-20	175
547	Coronary anatomy to predict physiology: fundamental limits. 2013 , 6, 817-32	63
546	Usefulness of left ventricular diastolic function assessed by magnetic resonance imaging over invasive coronary flow reserve measurement for detecting cardiac allograft vasculopathy in heart transplant recipients. 2013 , 29, 151-7	6
545	L'analyse quantitative en TEP cardiaque. 2013 , 37, 181-186	1
544	Coronary microvascular function in patients with Cushing's syndrome. 2013 , 43, 206-13	21
543	Effect of lesion length on functional significance of intermediate long coronary lesions. 2013 , 81, E186-94	26
542	Intracoronary Hemodynamic Assessment: Coronary Flow Reserve (CFR) and Fractional Flow Reserve (FFR). 2013 , 319-331	
541	View point: what should the future design of clinical imaging studies be?. 2013 , 34, 2432-5	5
540	New frontiers in CT angiography: physiologic assessment of coronary artery disease by multidetector CT. 2013 , 99, 661-8	7
539	Improvement in coronary haemodynamics after percutaneous coronary intervention: assessment using instantaneous wave-free ratio. 2013 , 99, 1740-8	25
538	Carotid artery stenosis near a bifurcation investigated by fluid dynamic analyses. 2013 , 26, 439-53	18
537	Assessing intermediate coronary lesions: more than meets the eye. 2013 , 128, 2551-3	3
536	Impaired Coronary Autoregulation Is Associated With Long-term Fatal Events in Patients With Stable Coronary Artery Disease. 2013 , 6, 329-35	44
535	Coronary microvasculature: small vessels with large impact. 2013 , 6, 323-5	2
534	MDCT coronary angiography -- postprocessing, reading, and reporting: last but not least. 2013 , 54, 249-58	5
533	Optimization of balloon obstruction for simulating equivalent pressure drop in physiological stenoses. 2013 , 50, 257-68	1
532	Coronary Angiography (IJCCE). 2013 ,	
531	Rethinking Stable Ischemic Heart Disease: Time for a Copernican Revision. 2014 , 31, 179-180	

530	Diagnostic uncertainties during assessment of serial coronary stenoses: an in vitro study. 2014 , 136, 021026	8
529	Physiology and Pathophysiology of Coronary Circulation. 2014 , 1-26	
528	Hemodynamic parameters measurements to assess severity of serial lesions in patient specific right coronary artery. 2014 , 24, 323-34	10
527	Quantification of myocardial blood flow using PET to improve the management of patients with stable ischemic coronary artery disease. 2014 , 10, 611-31	11
526	Coronary Circulation. 2014 , 6, 1-189	3
525	Stress myocardial perfusion: imaging with multidetector CT. 2014 , 270, 25-46	131
524	Can any anatomic parameters equate to FFR? Searching for the Holy Grail of IVUS. 2014 , 83, 395-6	
523	FREEDOM, SYNTAX, FAME and FUNCTIONALITY: the future of surgical revascularization in stable ischemic heart disease. 2014 , 10, 63-79	2
522	Computed tomography assessment of hemodynamic significance of coronary artery disease: CT perfusion, contrast gradients by coronary CTA, and fractional flow reserve review. 2014 , 29, 163-72	10
521	CMD in Obstructive CAD. 2014 , 145-180	
520	Coronary flow reserve is associated with tissue ischemia and is an additive predictor of intensive care unit mortality to traditional risk scores in septic shock. 2014 , 172, 103-8	14
519	Physiology of Coronary Microcirculation. 2014 , 3-30	2
518	Coronary Microvascular Dysfunction. 2014 ,	16
517	Effect of myocardial contractility on hemodynamic end points under concomitant microvascular disease in a porcine model. 2014 , 29, 97-109	9
516	Perspective on CFD studies of coronary artery disease lesions and hemodynamics: a review. 2014 , 30, 659-80	48
515	Incidence and predictors of restenosis after coronary stenting in 10 004 patients with surveillance angiography. 2014 , 100, 153-9	263
514	Multicenter core laboratory comparison of the instantaneous wave-free ratio and resting Pd/Pa with fractional flow reserve: the RESOLVE study. 2014 , 63, 1253-1261	229
513	The dawn of perfusion CMR: taking over from FFR in suspected coronary artery disease?. <i>JACC: Cardiovascular Imaging</i> , 2014 , 7, 1106-7	8.4

512	Pre-angioplasty instantaneous wave-free ratio pullback and virtual revascularization: the pressure wire as a crystal ball. <i>JACC: Cardiovascular Interventions</i> , 2014 , 7, 1397-9	5	3
511	Reconciling poststenotic pressure with hyperemic flow: comparing coronary flow reserve, instantaneous wave-free ratio, and fractional flow reserve. 2014 , 7, 432-4		3
510	Non-invasive evaluation of coronary flow reserve with transthoracic Doppler echocardiography predicts the presence of significant stenosis in coronary arteries. 2014 , 176, 294-7		8
509	Exploring unknowns in cardiology. 2014 , 11, 664-70		10
508	Preserved coronary flow reserve effectively excludes high-risk coronary artery disease on angiography. 2014 , 55, 248-55		150
507	Assessment of coronary blood flow in the cardiac catheterization laboratory. 2014 , 39, 159-84		1
506	Chronic hibernating myocardium in sheep can occur without degenerating events and is reversed after revascularization. 2014 , 23, 160-8		4
505	Coronary flow velocity reserve by echocardiography: feasibility, reproducibility and agreement with PET in overweight and obese patients with stable and revascularized coronary artery disease. 2016 , 14, 22		29
504	The ABSORB bioresorbable vascular scaffold: A novel, fully resorbable drug-eluting stent: Current concepts and overview of clinical evidence. 2015 , 86, 664-77		17
503	Characteristics of anginal patients with high resting myocardial blood flow measured with N-13 ammonia PET/CT. 2015 , 36, 619-24		3
502	Advances in three-dimensional coronary imaging and computational fluid dynamics: is virtual fractional flow reserve more than just a pretty picture?. 2015 , 26 Suppl 1, e43-54		8
501	Functional relevance of coronary artery disease by cardiac magnetic resonance and cardiac computed tomography: myocardial perfusion and fractional flow reserve. 2015 , 2015, 297696		25
500	Sudden Death Due to Atherosclerotic Coronary Artery Disease: A Review of Commonly Accepted Practices. 2015 , 5, 2-9		3
499	Patient selection for elective revascularization to reduce myocardial infarction and mortality: new lessons from randomized trials, coronary physiology, and statistics. 2015 , 8,		27
498	Fundamentals in clinical coronary physiology: why coronary flow is more important than coronary pressure. 2015 , 36, 3312-9a		99
497	Clinical Cardiac Positron Emission Tomography. 2015 , 263-281		
496	Overview of the Normal Structure and Function of the Macrocirculation and Microcirculation. 2015 , 13-46		
495	Fractional flow reserve modeled from resting coronary CT angiography: state of the science. 2015 , 204, W243-8		9

494	Transtenotic coronary flow velocity assessment: a new road map for non-invasive coronary evaluation?. 2015 , 16, 1318-9		1
493	Physiological assessment of coronary stenosis: a view from the coronary microcirculation. 2015 , 7, 403-416		3
492	Computational Study of Computed Tomography Contrast Gradients in Models of Stenosed Coronary Arteries. 2015 , 137,		6
491	Invasive coronary physiology for assessing intermediate lesions. 2015 , 8, e001942		20
490	Plasma soluble urokinase-type plasminogen activator receptor level is independently associated with coronary microvascular function in patients with non-obstructive coronary artery disease. 2015 , 239, 55-60		29
489	Prognostic role of restenosis in 10 004 patients undergoing routine control angiography after coronary stenting. 2015 , 36, 94-9		57
488	Prediction of revascularization after myocardial perfusion SPECT by machine learning in a large population. 2015 , 22, 877-84		72
487	Assessment of lower limb flow and adequate intra-arterial papaverine doses to achieve maximal hyperemia in elder subjects. <i>Cardiovascular Intervention and Therapeutics</i> , 2015 , 30, 227-33	2.5	3
486	The Transmural Extent and Severity of Myocardial Hypoperfusion Predicts Long-Term Outcome in NSTEMI: An MDCT Study. <i>JACC: Cardiovascular Imaging</i> , 2015 , 8, 684-94	8.4	15
485	Myocardial Bridges: Lessons in Clinical Coronary Pathophysiology. <i>JACC: Cardiovascular Imaging</i> , 2015 , 8, 705-9	8.4	23
484	Numerical Simulation of Coronary Artery Stenosis Before and After Stenting. 2015 , 35, 528-534		2
483	Quantitative Assessment of Myocardial Blood Flow with SPECT. 2015 , 57, 607-14		21
482	Invasive assessment of the coronary microcirculation in the catheter laboratory. 2015 , 199, 141-9		8
481	What is ischemia and how should this be defined based on modern imaging?. 2015 , 57, 537-54		5
480	Physiologic stenosis severity, binary thinking, revascularization, and "hidden reality". 2015 , 8,		6
479	Current frontiers in the clinical research of coronary physiology. 2015 , 7, 97-108		
478	Prognostic and therapeutic implications of statin and aspirin therapy in individuals with nonobstructive coronary artery disease: results from the CONFIRM (COronary CT Angiography EvaluationN For Clinical Outcomes: An InteRnational Multicenter registry) registry. 2015 , 35, 981-9		101
477	Dynamic SPECT: evolution of a widely available tool for the assessment of coronary flow reserve. 2015 , 42, 302-4		10

476	Determination of culprit coronary artery branches using hemodynamic indices from angiographic images. 2015 , 31, 11-9		0
475	Transmural myocardial perfusion gradients in relation to coronary artery stenoses severity assessed by cardiac multidetector computed tomography. 2015 , 31, 171-80		8
474	Imaging in patients after cardiac transplantation and in patients with ventricular assist devices. 2015 , 22, 617-38		4
473	The 50% coronary stenosis. <i>American Journal of Cardiology</i> , 2015 , 115, 1162-5	3	15
472	Invasive measures of myocardial perfusion and ischemia. 2015 , 57, 555-65		8
471	The Instantaneous wave-Free Ratio (iFR) pullback: a novel innovation using baseline physiology to optimise coronary angioplasty in tandem lesions. 2015 , 16, 167-71		45
470	History and Development of Coronary Flow Reserve and Fractional Flow Reserve for Clinical Applications. 2015 , 4, 397-410		6
469	Evaluation of Microvascular Disease and Clinical Outcomes. 2015 , 4, 443-457		
468	Can Resting Indices Obviate the Need for Hyperemia and Promote the Routine Use of Physiologically Guided Revascularization?. 2015 , 4, 459-469		1
467	Coronary flow velocity reserve in patients with ascending aorta aneurysm. 2015 , 32, 975-82		1
466	Effect of Sex Differences on Invasive Measures of Coronary Microvascular Dysfunction in Patients With Angina in the Absence of Obstructive Coronary Artery Disease. <i>JACC: Cardiovascular Interventions</i> , 2015 , 8, 1433-1441	5	70
465	Radiologists and overdiagnosis. 2015 , 22, 943-4		1
464	Physiologic severity of diffuse coronary artery disease: hidden high risk. 2015 , 131, 4-6		16
463	Diagnostic performance of non-invasive fractional flow reserve derived from coronary computed tomography angiography: current perspectives. 2016 , 1		
462	Clinical Application of Myocardial Blood Flow Quantification in CAD Patients. 2016 , 2, 84-93		5
461	Flow-Based Functional Assessment of Coronary Artery Disease by Myocardial Perfusion Positron Emission Tomography in the Era of Fractional Flow Reserve. 2016 , 2, 99-105		2
460	The ongoing search for simplifying fractional flow reserve assessment: the role of contrast medium. 2016 , 12, 197-9		
459	Fractional Flow Reserve-guided Percutaneous Coronary Intervention: Standing the Test of Time. 2016 , 1, 225-232		

458	Assessing Hemodynamically Significant CAD by Difference in Contrast Opacification of CT Angiograms: An Exercise in Seeing and Believing. <i>JACC: Cardiovascular Imaging</i> , 2016 , 9, 1084-1086	8.4
457	Effect of Varying Hemodynamic and Vascular Conditions on Fractional Flow Reserve: An In Vitro Study. 2016 , 5,	14
456	Contemporary assessment of coronary hemodynamics in the catheter laboratory. 2016 , 12, 601-604	
455	Interventional Approach in Small Vessel, Diffuse, and Tortuous Coronary Artery Disease. 2016 , 205-212	0
454	Physiologic Assessment in the Cardiac Catheterization Laboratory. 2016 , 59-70	1
453	Beyond Stenosis With Fractional Flow Reserve Via Computed Tomography and Advanced Plaque Analyses for the Diagnosis of Lesion-Specific Ischemia. 2016 , 32, 1315.e1-1315.e9	3
452	Diagnostic Accuracy of Fast Computational Approaches to Derive Fractional Flow Reserve From Diagnostic Coronary Angiography: The International Multicenter FAVOR Pilot Study. <i>JACC: Cardiovascular Interventions</i> , 2016 , 9, 2024-2035	5 224
451	A patient-specific virtual stenotic model of the coronary artery to analyze the relationship between fractional flow reserve and wall shear stress. 2016 , 222, 799-805	14
450	Concepts and Tradeoffs in Velocity Estimation With Plane-Wave Contrast-Enhanced Doppler. 2016 , 63, 1890-1905	11
449	Comparison of Fractional Flow Reserve Assessment With Demand Stress Myocardial Contrast Echocardiography in Angiographically Intermediate Coronary Stenoses. 2016 , 9,	23
448	The Risk Continuum of Atherosclerosis and its Implications for Defining CHD by Coronary Angiography. 2016 , 68, 2467-2478	47
447	Optimal Scan Time for Single-Phase Myocardial Computed Tomography Perfusion to Detect Myocardial Ischemia - Derivation Cohort From Dynamic Myocardial Computed Tomography Perfusion. 2016 , 80, 2506-2512	13
446	Pressure- and flow-derived indices of coronary stenosis severity: old rivals, new allies. 2016 , 14, 659-61	1
445	PET-measured longitudinal flow gradient correlates with invasive fractional flow reserve in CAD patients. 2017 , 18, 538-548	12
444	Myocardial blood flow: Putting it into clinical perspective. 2016 , 23, 1056-1071	25
443	Audible Coronary Artery Stenosis. 2016 , 129, 515-521.e3	21
442	Coronary pressure and flow relationships in humans: phasic analysis of normal and pathological vessels and the implications for stenosis assessment: a report from the Iberian-Dutch-English (IDEAL) collaborators. 2016 , 37, 2069-80	81
441	Quantitative Coronary Physiology for Clinical Management: the Imaging Standard. 2016 , 18, 9	4

440	[Multimodal imaging of ischemic heart diseases: A 2015 update]. 2016 , 37, 350-62	0
439	Deconstructing the idol of fractional flow reserve using the IDEAL report. 2016 , 37, 2081-3	1
438	Myocardial Fractional Flow Reserve Measurement Using Contrast Media as a First-Line Assessment of Coronary Lesions in Current Practice. 2016 , 32, 739-46	14
437	Comparison of coronary flow reserve estimated by dynamic radionuclide SPECT and multi-detector x-ray CT. 2017 , 24, 1712-1721	8
436	[Fractional flow reserve and instantaneous wave-free ratio for the physiological assessment of coronary artery stenosis in the catheterization laboratory: Practical tips]. 2017 , 66, 32-41	1
435	Pressure drop and arterial compliance - Two arterial parameters in one measurement. 2017 , 50, 130-137	6
434	Evaluation of Coronary Artery Disease Using Myocardial Elastography with Diverging Wave Imaging: Validation against Myocardial Perfusion Imaging and Coronary Angiography. 2017 , 43, 893-902	9
433	Contrast echocardiography for detection of myocardial perfusion abnormalities : A clinical perspective. 2017 , 42, 287-294	8
432	Metformin prevents ischaemic ventricular fibrillation in metabolically normal pigs. 2017 , 60, 1550-1558	12
431	Physiome approach for the analysis of vascular flow reserve in the heart and brain. 2017 , 469, 613-628	4
430	Electronic Stethoscope for Coronary Stenosis Detection. 2017 , 130, e225	2
429	Complex relationship between plaque characteristics and hemodynamic significance of stenosis: Insights from coronary computed tomography angiography imaging. 2017 , 260, 150-152	3
428	Coronary artery disease: physiology and prognosis. 2017 , 38, 1990-1992	9
427	Coronary flow capacity: concept, promises, and challenges. 2017 , 33, 1033-1039	4
426	Conservative versus aggressive treatment strategy with angiographic guidance alone in patients with intermediate coronary lesions: The SMART-CASE randomized, non-inferiority trial. 2017 , 240, 114-119	3
425	Feasibility of PET for the management of coronary artery disease: Comparison between CFR and FFR. 2017 , 70, 135-140	14
424	Stenosis Resistance Estimated from Pressure-Flow Relationships. 2017 , 175-183	
423	Revisiting the Historical Origins of Clinically Meaningful Coronary Artery Obstruction. 2017 , 92, 1312	

422	The Evolving Future of Instantaneous Wave-Free Ratio and Fractional Flow Reserve. 2017 , 70, 1379-1402		95
421	Detection of the Vulnerable Coronary Atherosclerotic Plaque Promises and Limitations. 2017 , 10, 1		1
420	Effect of the ratio of coronary arterial lumen volume to left ventricle myocardial mass derived from coronary CT angiography on fractional flow reserve. <i>Journal of Cardiovascular Computed Tomography</i> , 2017 , 11, 429-436	2.8	41
419	Visual and Quantitative Assessment of Coronary Stenoses at Angiography Versus Fractional Flow Reserve: The Impact of Risk Factors. 2017 , 10,		25
418	Statins; the panacea of cardiovascular disease. 2017 , 25, 229-230		1
417	Association Between Elevated Pulse Pressure and High Resting Coronary Blood Flow Velocity in Patients With Angiographically Normal Epicardial Coronary Arteries. 2017 , 6,		7
416	Cardiology Procedures. 2017 ,		
415	Use of fractional flow reserve in patients with coronary artery disease: The right choice for the right outcome. 2017 , 27, 106-120		3
414	Catheter-based functional metrics of the coronary circulation. 2017 , 24, 1178-1189		3
413	Approximate Truth. 2017 , 70, 3097-3101		3
412	The proper use of coronary calcium score and coronary computed tomography angiography for screening asymptomatic patients with cardiovascular risk factors. 2017 , 7, 17653		12
411	Positron Emission Tomography-Determined Hyperemic Flow, Myocardial Flow Reserve, and Flow Gradient-Quo Vadis?. <i>Frontiers in Cardiovascular Medicine</i> , 2017 , 4, 46	5-4	4
410	Diagnostic accuracy of coronary opacification derived from coronary computed tomography angiography to detect ischemia: first validation versus single-photon emission computed tomography. 2017 , 7, 92		3
409	Myocardial blood flow quantification for evaluation of coronary artery disease by computed tomography. <i>Cardiovascular Diagnosis and Therapy</i> , 2017 , 7, 129-150	2.6	26
408	5 SPECT and SPECT/CT for the Cardiovascular System. 2017 ,		
407	Myocardial flow reserve (MFR) with positron emission tomography (PET)/computed tomography (CT): clinical impact in diagnosis and prognosis. <i>Cardiovascular Diagnosis and Therapy</i> , 2017 , 7, 206-218	2.6	26
406	Rationale and design of the British Heart Foundation (BHF) Coronary Microvascular Angina (CorMicA) stratified medicine clinical trial. 2018 , 201, 86-94		14
405	Coronary Hemodynamics. 2018 , 309-348		

404	Coronary physiology and prognosis - What does pressure-bounded coronary flow reserve add? 2018 , 261, 32-34	
403	Coronary microvascular dysfunction in patients with stable coronary artery disease: The CE-MARC 2 coronary physiology sub-study. 2018 , 266, 7-14	22
402	Clinical Quantification of Myocardial Blood Flow Using PET: Joint Position Paper of the SNMMI Cardiovascular Council and the ASNC. 2018 , 25, 269-297	83
401	Diagnostic Ability of CT to Help Differentiate Stenosis of 30% in Patients with Atrial Fibrillation. 2018 , 286, 361-363	
400	Identification of capillary rarefaction using intracoronary wave intensity analysis with resultant prognostic implications for cardiac allograft patients. 2018 , 39, 1807-1814	10
399	Pathophysiological coronary and microcirculatory flow alterations in aortic stenosis. 2018 , 15, 420-431	26
398	Absolute quantification of myocardial blood flow. 2018 , 25, 635-651	18
397	Diagnostic performance of the quantification of myocardium at risk from MPI SPECT/CTA 2G fusion for detecting obstructive coronary disease: A multicenter trial. 2018 , 25, 1376-1386	10
396	Comparison Between Anatomic and Physiologic Indices. 2018 , 249-257	
395	Fractional Flow Reserve in Intermediate or Ambiguous Lesion. 2018 , 259-268	
394	An Outflow Boundary Condition Model for Noninvasive Prediction of Fractional Flow Reserve in Diseased Coronary Arteries. 2018 , 140,	2
393	Clinical significance of transluminal attenuation gradient in 320-row area detector coronary CT angiography. 2018 , 33, 462-469	7
392	Clinical Quantification of Myocardial Blood Flow Using PET: Joint Position Paper of the SNMMI Cardiovascular Council and the ASNC. 2018 , 59, 273-293	75
391	Radiopharmaceutical tracers for cardiac imaging. 2018 , 25, 1204-1236	26
390	Mechanism of myocardial ischemia. 2018 , 24, 77-78	
389	Coronary Physiology Beyond Coronary Flow Reserve in Microvascular Angina: JACC State-of-the-Art Review. 2018 , 72, 2642-2662	50
388	Experimental to Clinical Coronary Physiology. 2018 , 123, 1124-1126	3
387	New Mathematical Correction Model in Pursuit of Optimal Hemodynamic Assessment of Serial Coronary Artery Disease: Overcoming Hyperemic Cross Talk Between Coronary Stenoses in Series?. 2018 , 7, e010754	0

- 386 CT Myocardial Perfusion Imaging: A New Frontier in Cardiac Imaging. **2018**, 2018, 7295460 22
- 385 Computed Tomography Fractional Flow Reserve to Guide Coronary Angiography and Intervention. **2018**, 7, 345-354 9
- 384 Contrast Fractional Flow Reserve (cFFR): A pragmatic response to the call for simplification of invasive functional assessment. **2018**, 268, 45-50 3
- 383 Fractional Flow Reserve or Coronary Flow Reserve for the Assessment of Myocardial Perfusion : Implications of FFR as an Imperfect Reference Standard for Myocardial Ischemia. **2018**, 20, 77 11
- 382 Precipitants of Myocardial Ischemia. **2018**, 69-77 4
- 381 Angina in Patients with Evidence of Myocardial Ischemia and No Obstructive Coronary Artery Disease. **2018**, 374-390
- 380 Exercise Physiology for the Clinician. **2018**, 23-62
- 379 Safer stress tests for myocardial perfusion imaging. **2019**, 26, 629-632 3
- 378 Quantification of Myocardial Mass Subtended by a Coronary Stenosis Using Intracoronary Physiology. **2019**, 12, e007322 8
- 377 Radionuclide Imaging of Cardiovascular Disease. **2019**, 449-497
- 376 Methodology for Hemodynamic Assessment of a Three-Dimensional Printed Patient-Specific Vascular Test Device. **2019**, 13,
- 375 The power of myocardial blood flow reserve in personalizing management of patients with stable coronary artery disease. Is it time to move on from percentage of ischaemia?. **2020**, 41, 769-771 1
- 374 K. Lance Gould, MD (born October 28, 1938). **2019**, 26, 1841-1843 0
- 373 Shock-Wave Therapy Improves Myocardial Blood Flow Reserve in Patients with Refractory Angina: Evaluation by Real-Time Myocardial Perfusion Echocardiography. **2019**, 32, 1075-1085 4
- 372 . **2019**,
- 371 From Detecting the Vulnerable Plaque to Managing the Vulnerable Patient: JACC State-of-the-Art Review. **2019**, 74, 1582-1593 49
- 370 Myocardial Creep: we can now look it in the eye without framewise PET-CT registration for myocardial blood flow quantification. **2019**, 26, 747-748
- 369 Reduced-order modeling of blood flow for noninvasive functional evaluation of coronary artery disease. **2019**, 18, 1867-1881 7

368	Ratology and a Complementary Class of Metrics for Cardiovascular Investigations. 2019 , 34, 250-263		18
367	CT Myocardial Perfusion Imaging: Arterial First-Pass Imaging. 2019 , 777-790		
366	Contemporary Issues in Quantitative Myocardial Perfusion CMR Imaging. 2019 , 12, 1		1
365	Coronary Physiology in the Cardiac Catheterization Laboratory. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	4
364	A Clinical Application of Coronary Physiology. 2019 , 79-84		
363	Accuracy of 3-dimensional and 2-dimensional quantitative coronary angiography for predicting physiological significance of coronary stenosis: a FAVOR II substudy. <i>Cardiovascular Diagnosis and Therapy</i> , 2019 , 9, 481-491	2.6	6
362	Clinical use of physiological lesion assessment using pressure guidewires: an expert consensus document of the Japanese Association of Cardiovascular Intervention and Therapeutics. <i>Cardiovascular Intervention and Therapeutics</i> , 2019 , 34, 85-96	2.5	25
361	TAG, You're Out. <i>JACC: Cardiovascular Imaging</i> , 2019 , 12, 334-337	8.4	1
360	Primary stenosis progression versus secondary stenosis formation in the left coronary bifurcation: A mechanical point of view. 2019 , 39, 188-198		17
359	Distal Evaluation of Functional performance with Intravascular sensors to assess the Narrowing Effect-combined pressure and Doppler FLOW velocity measurements (DEFINE-FLOW) trial: Rationale and trial design. 2020 , 222, 139-146		7
358	Adenosine-Free Indexes vs. Fractional Flow Reserve for Functional Assessment of Coronary Stenoses: Systematic Review and Meta-Analysis. 2020 , 299, 93-99		5
357	Invasive Evaluation of the Microvasculature in Acute Myocardial Infarction: Coronary Flow Reserve versus the Index of Microcirculatory Resistance. <i>Journal of Clinical Medicine</i> , 2019 , 9,	5.1	5
356	Human Microcirculation in Ischemic Heart Disease. 2020 , 40, 11-13		2
355	Diagnosis of coronary microvascular dysfunction in the clinic. 2020 , 116, 841-855		25
354	Clinical usefulness of instantaneous wave-free ratio for the evaluation of coronary artery lesion with prior myocardial infarction: A multi-center study. 2020 , 26, 100431		1
353	Ischemia and No Obstructive Stenosis (INOCA) at CT Angiography, CT Myocardial Perfusion, Invasive Coronary Angiography, and SPECT: The CORE320 Study. 2020 , 294, 61-73		13
352	Non-hyperaemic pressure ratios to guide percutaneous coronary intervention. 2020 , 7,		3
351	Physiology over Angiography to Determine Lesion Severity: the FAME Trials. 2020 , 9, 409-418		

350	Intracoronary Saline-Induced Hyperemia During Coronary Thermodilution Measurements of Absolute Coronary Blood Flow: An Animal Mechanistic Study. 2020 , 9, e015793		7
349	Sex Differences in Coronary Microvascular Dysfunction and Its Relationship With Outcome. <i>JACC: Cardiovascular Interventions</i> , 2020 , 13, 1680-1682	5	0
348	Papillary muscle ischemia and myocardial blood flow on N13-ammonia positron emission tomography myocardial perfusion imaging. 2020 , 1		
347	Myocardial Ischemic Syndromes, Heart Failure Syndromes, Electrocardiographic Abnormalities, Arrhythmic Syndromes and Angiographic Diagnosis of Coronary Artery Spasm: Literature Review. 2020 , 17, 1071-1082		5
346	Non-hyperaemic coronary pressure measurements to guide coronary interventions. 2020 , 17, 629-640		8
345	Hemodynamic effects of aortic valve and heart rate on coronary perfusion. 2020 , 78, 105075		1
344	Contrast Fractional Flow Reserve (cFFR) and Computed Tomography Fractional Flow Reserve (CT-FFR) Guidance for Percutaneous Coronary Intervention (PCI). 2020 , 13, 1		1
343	[Is FFR a game changer in coronary CT angiography?]. 2020 , 45, 431-440		2
342	After ISCHEMIA: is invasive physiology the only remaining gatekeeper for myocardial revascularization in chronic coronary syndromes?. 2020 , 45, 453-457		1
341	Influence of heart rate on FFR measurements: An experimental and clinical validation study. 2020 , 317, 13-17		5
340	Overview of mathematical modeling of myocardial blood flow regulation. 2020 , 318, H966-H975		1
339	Clinical expert consensus document on quantitative coronary angiography from the Japanese Association of Cardiovascular Intervention and Therapeutics. <i>Cardiovascular Intervention and Therapeutics</i> , 2020 , 35, 105-116	2.5	29
338	A link between resting flow, coronary flow reserve and adverse outcomes. 2020 , 309, 25-26		
337	Determining the Significance of Coronary Plaque Lesions: Physiological Stenosis Severity and Plaque Characteristics. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	2
336	Objective Identification of Intermediate Lesions Inducing Myocardial Ischemia Using Sequential Intracoronary Pressure and Flow Measurements. 2020 , 9, e015559		3
335	Stress Echocardiography in the Era of Fractional Flow Reserve. 2020 , 13, 1		
334	Role of quantitative myocardial blood flow and N-ammonia washout for viability assessment in ischemic cardiomyopathy. 2021 , 28, 263-273		8
333	Diagnostic analysis of new quantitative parameters of low-dose dynamic myocardial perfusion imaging with CZT SPECT in the detection of suspected or known coronary artery disease. 2021 , 37, 367-378		3

332	Cardiac PET Procedure: Perfusion, Coronary Flow, Viability, Inflammation, and PET/MR. 2021 , 1-71		
331	Coronary intravascular ultrasound and optical coherence tomography imaging and clinical contexts in coronary hemodynamics. 2021 , 149-170		
330	Pulsatile Hemodynamics and Coronary Artery Disease. 2021 , 51, 881-898		1
329	Risk prediction of in-stent restenosis among patients with coronary drug-eluting stents: current clinical approaches and challenges. 2021 , 19, 801-816		3
328	How to select patients requiring coronary revascularisation using coronary physiology. 2021 , 10, 2048004020979476		
327	The reasons why fractional flow reserve and instantaneous wave-free ratio are similar using wave separation analysis. 2021 , 21, 48		0
326	Functional assessment of myocardial ischaemia by intracoronary ECG. 2021 , 8,		2
325	Advances in Myocardial Perfusion MR Imaging: Physiological Implications, the Importance of Quantitative Analysis, and Impact on Patient Care in Coronary Artery Disease. 2021 ,		1
324	SPECT Procedures. 2021 , 73-105		
323	Hemodynamic Relevance of Anomalous Coronary Arteries Originating From the Opposite Sinus of Valsalva-In Search of the Evidence. <i>Frontiers in Cardiovascular Medicine</i> , 2020 , 7, 591326	5-4	8
322	Influence of lesion and disease subsets on the diagnostic performance of the quantitative flow ratio in real-world patients. 2021 , 11, 2995		1
321	Evolution of coronary artery calcium and absolute myocardial perfusion after percutaneous revascularization: A 3-year serial hybrid [O]HO PET/CT imaging study. 2021 , 318, 22-31		
320	Physiology-Based Revascularization of Left Main Coronary Artery Disease. 2021 , 2021, 4218769		0
319	Patient factors and outcomes associated with discordance between quantitative and qualitative cardiac PET ischemia information. 2021 , 16, e0246149		0
318	Basics of Coronary Thermodilution. <i>JACC: Cardiovascular Interventions</i> , 2021 , 14, 595-605	5	10
317	Quantitative flow ratio as a new tool for angiography-based physiological evaluation of coronary artery disease: a review. 2021 , 17, 1435-1452		1
316	Application of physics-based flow models in cardiovascular medicine: Current practices and challenges. 2021 , 2, 011302		2
315	JCS 2018 Guideline on Diagnosis of Chronic Coronary Heart Diseases. 2021 , 85, 402-572		11

314	Impact of clinical and haemodynamic factors on coronary flow reserve and invasive coronary flow capacity in non-obstructed coronary arteries: a patient-level pooled analysis of the DEBATE and ILIAS studies. 2021 , 16, e1503-e1510	5
313	Optimal Prognostication of Patients with Coronary Stenoses in the Pre- and Post-PCI setting: Comments on TARGET FFR and DEFINE-FLOW Trials Presented at TCT Connect 2020. 2021 , 16, e17	1
312	Modern scintigraphic methods for assessing myocardial blood flow and reserve. 2021 , 20, 178-189	1
311	Association of quantitative flow ratio-derived microcirculatory indices with anatomical-functional discordance in intermediate coronary lesions. 2021 , 37, 2803-2813	3
310	Phase contrast coronary blood velocity mapping with both high temporal and spatial resolution using triggered Golden Angle rotated Spiral k-t Sparse Parallel imaging (GASSP) with shifted binning. 2021 , 86, 1929-1943	3
309	What Is the Role of Assessing Ischemia to Optimize Therapy and Outcomes for Patients with Stable Angina and Non-obstructed Coronary Arteries?. 2021 , 1	1
308	[Personalized ischemia diagnostics in chronic coronary syndrome]. 2021 , 62, 729-740	
307	Simultaneous assessment of coronary flow reserve and left ventricular function during vasodilator stress evaluated by N-ammonia hybrid PET/MRI. 2021 , 76, 472.e1-472.e9	0
306	A fast algebraic approach for noninvasive prediction of fractional flow reserve in coronary arteries. 2021 , 24, 1761-1793	
305	Effect of Patient-Specific Coronary Flow Reserve Values on the Accuracy of MRI-Based Virtual Fractional Flow Reserve. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 663767	5.4 1
304	Normal values of thermodilution-derived absolute coronary blood flow and microvascular resistance in humans. 2021 , 17, e309-e316	7
303	Revascularization decisions in patients with chronic coronary syndromes: Results of the second International Survey on Interventional Strategy (ISIS-2). 2021 , 336, 38-44	2
302	Look at the Moon, Not the Finger Pointing to It. <i>JACC: Cardiovascular Interventions</i> , 2021 , 14, 1914-1916	5
301	The role of coronary physiology in contemporary percutaneous coronary interventions. 2021 ,	1
300	Coronary Physiology and Quantitative Myocardial Perfusion. 2021 , 161-259	1
299	Current Status of Intra-Vascular Imaging during Coronary Interventions. 2021 , 11, 389-419	1
298	Atherosclerosis: Understanding the Relationship Between Coronary Artery Disease and Stenosis Flow Reserve. 2000 , 381-387	2
297	The determinants of regional myocardial blood flow. 1977 , 82, 687-92	1

296	Quantitation of Myocardial Perfusion: Absolute Blood Flow Versus Relative Uptake. 2013 , 145-194	2
295	Lesion Morphology and Composition: Risk of Restenosis Following Coronary Interventions. 1997 , 311-341	1
294	Diagnostic Coronary Angiography. 2015 , 1115-1176	1
293	Perfusion Measurements of the Myocardium. 2015 , 1279-1354	1
292	Anatomie und Pathologie der Koronararterien. 2000 , 209-553	2
291	Hemodynamics in Regional Circulatory Beds and Local Vascular Reactivity. 1996 , 1917-1939	8
290	Methodology of Coronary Angiography and Ventriculography with Special Reference to Exercise. 1982 , 87-97	2
289	Contrast Media in the Cardiovascular System. 1984 , 193-251	8
288	Experimental Testing of Antianginal Drugs in Animals. 1985 , 119-151	1
287	Die Ventrikelfunktion bei koronarer Herzerkrankung. 1976 , 50-62	15
286	Akuter Myokardinfarkt. 2000 , 393-442	1
285	Assessment of functional significance of the stenotic substrate by Doppler flow measurements. 1996 , 295-310	3
284	Review of intracoronary Doppler catheters. 1989 , 159-168	3
283	Concepts for Coronary Flow and Myocardial Perfusion Measurements. 1988 , 201-213	1
282	Comparison of Time Parameters Derived from Myocardial Time-Density Curves in Patients before and after Percutaneous Transluminal Coronary Angioplasty. 1988 , 227-236	1
281	Relation between Coronary Flow Reserve and Severity of Coronary Obstruction, Both Assessed from Coronary Cineangiogram. 1988 , 275-291	1
280	Functional and Anatomic Assessment of Coronary Artery Stenoses. 1988 , 305-324	1
279	Assessment of stenosis severity. 1986 , 209-228	8

278	Digital coronary arteriography. 1986 , 17-31		3
277	Digital radiographic assessment of coronary flow reserve. 1985 , 106-118		3
276	On-line assessment of myocardial flow reserve. 1994 , 173-189		2
275	Relationship between transstenotic pressure gradients and coronary angiographic parameters. 1994 , 191-206		1
274	Limitation of coronary flow reserve by a stenosis. 1991 , 333-361		6
273	Application of indicator dilution principles to regional assessment of coronary flow reserve from digital angiography. 1991 , 245-263		2
272	Measurement of coronary artery pressure and stenosis gradients [Clinical applications]. 1994 , 167-179		2
271	Validation of Fractional Flow Reserve in Animals. 1997 , 121-141		2
270	Assessment of Collateral Blood Flow by Coronary Pressure Measurement. 2000 , 327-351		1
269	Introduction to Invasive Assessment of the Coronary Circulation. 2000 , 25-49		1
268	Computed tomographic evaluation of myocardial ischemia. 2020 , 38, 411-433		9
267	Diagnosis and Prognosis in Cardiac Disease Using Cardiac PET Perfusion Imaging. 2010 , 309-331		3
266	Restenosis. 2012 , 421-431		1
265	Comparison between ticagrelor and clopidogrel on myocardial blood flow in patients with acute coronary syndrome, using ¹³ N-ammonia positron emission tomography. 2020 , 222, 121-130		3
264	Evaluation and Management of Nonculprit Lesions in STEMI. <i>JACC: Cardiovascular Interventions</i> , 2020 , 13, 1145-1154	5	12
263	Quantification of myocardial perfusion reserve using dynamic SPECT images of patients with chronic kidney disease. 2018 , 71, 174-180		2
262	Chronic Ischaemic Heart Disease. 2009 , 597-664		5
261	Stable coronary syndromes: pathophysiology, diagnostic advances and therapeutic need. 2018 , 104, 284-292		61

260	Measurement of absolute epicardial coronary artery flow and flow reserve with breath-hold cine phase-contrast magnetic resonance imaging. 1995 , 91, 2627-34	70
259	Comparison between 201Tl and 99mTc sestamibi uptake during adenosine-induced vasodilation as a function of coronary stenosis severity. 1995 , 91, 813-20	74
258	Relation among stenosis severity, myocardial blood flow, and flow reserve in patients with coronary artery disease. 1995 , 91, 1944-51	256
257	Fibrinogen after coronary angioplasty as a risk factor for restenosis. 1995 , 92, 31-8	84
256	Relation between myocardial fractional flow reserve calculated from coronary pressure measurements and exercise-induced myocardial ischemia. 1995 , 92, 39-46	195
255	Fractional flow reserve. A useful index to evaluate the influence of an epicardial coronary stenosis on myocardial blood flow. 1995 , 92, 3183-93	579
254	Relation between diastolic perfusion time and coronary artery stenosis during stress-induced myocardial ischemia. 1995 , 92, 342-7	74
253	Our preoccupation with coronary luminology. The dissociation between clinical and angiographic findings in ischemic heart disease. 1995 , 92, 2333-42	751
252	Quantification of volumetric coronary blood flow with dual-energy digital subtraction angiography. 1996 , 93, 1919-27	41
251	Assessment of blood flow distal to coronary artery stenoses. Correlations between myocardial positron emission tomography and poststenotic intracoronary Doppler flow reserve. 1996 , 94, 2447-54	45
250	Simultaneous coronary pressure and flow velocity measurements in humans. Feasibility, reproducibility, and hemodynamic dependence of coronary flow velocity reserve, hyperemic flow versus pressure slope index, and fractional flow reserve. 1996 , 94, 1842-9	300
249	Coronary vasoconstriction during myocardial ischemia induced by rises in metabolic demand in patients with coronary artery disease. 1997 , 95, 2652-9	67
248	Effects of cardiac allograft vasculopathy on myocardial blood flow, vasodilatory capacity, and coronary vasomotion. 1997 , 95, 600-6	51
247	Intracoronary Doppler assessment of moderate coronary artery disease: comparison with 201Tl imaging and coronary angiography. FACTS Study Group. 1997 , 96, 484-90	101
246	Mechanical principles in arterial disease. 1995 , 26, 2-9	262
245	The relationship between regional myocardial perfusion at rest and arteriographic lesions in patients with coronary atherosclerosis. 1975 , 56, 1442-54	43
244	Videometric analysis of regional left ventricular function before and after aortocoronary artery bypass surgery: correlation of peak rate of myocardial wall thickening with late postoperative graft flows. 1976 , 58, 1339-47	31
243	Relationship between regional myocardial blood flow and thallium-201 distribution in the presence of coronary artery stenosis and dipyridamole-induced vasodilation. 1984 , 73, 1359-66	37

242	Relation between geometric dimensions of coronary artery stenoses and myocardial perfusion reserve in man. 1987 , 79, 1473-8		70
241	Percutaneous Coronary Intervention Enhances Accelerative Wave Intensity in Coronary Arteries. 2015 , 10, e0142998		3
240	Letters to the Editor. 1991 , 36, 13151J		1
239	Stress echocardiography in coronary artery disease: a practical guideline from the British Society of Echocardiography. 2019 , 6, G17-G33		12
238	Prediction of Post Percutaneous Coronary Intervention Myocardial Ischaemia. 2016 , 11, 85-89		1
237	Fractional Flow Reserve: Does a Cut-off Value add Value?. 2016 , 11, 17-26		2
236	Changes in Coronary Flow Reserve Following Stent Implantation in the Swine Descending Thoracic Aorta. 2007 , 14, 544-550		1
235	Fractional flow reserve: physiological basis, advantages and limitations, and potential gender differences. 2015 , 11, 209-19		14
234	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
233	Evaluation of Myocardial Ischemia Using Coronary Computed Tomography Angiography in Patients with Stable Angina. <i>Journal of the Korean Society of Radiology</i> , 2020 , 81, 250	0.2	1
232	Pressure- and Velocity-Based Physiological Assessment of Stenotic Lesions at Hyperemia in Superficial Femoral Artery Disease: Importance of Hyperemic Stenosis Resistance. 2019 , 12, 362-366		1
231	Particle depositions and related hemodynamic parameters in the multiple stenosed right coronary artery. 2012 , 4, 177-89		8
230	Reactive myocardial hyperaemia for functional assessment of coronary stenosis severity. 2017 , 13, e201-e209		5
229	Physiological assessment of left main coronary artery disease. 2017 , 13, 820-827		17
228	Intracoronary electrocardiogram to guide percutaneous interventions in coronary bifurcations - a proof of concept: the FIESTA (Ffr vs. IcEcGSTA) study. 2018 , 14, e530-e537		3
227	The functional assessment of patients with non-obstructive coronary artery disease: expert review from an international microcirculation working group. 2019 , 14, 1694-1702		17
226	The Multi-center Evaluation of the Accuracy of the Contrast MEdium INduced Pd/Pa RaTiO in Predicting FFR (MEMENTO-FFR) Study. 2016 , 12, 708-15		33
225	Coronary physiological parameters at a crossroads. 2017 , 13, e145-e148		1

- 224 Virtual fractional flow reserve by coronary computed tomography - hope or hype?. **2013**, 9, 277-84 10
- 223 Microvascular Resistance Reserve for Assessment of Coronary Microvascular Function: JACC Technology Corner. **2021**, 78, 1541-1549 10
- 222 Why the Term MINOCA Does Not Provide Conceptual Clarity for Actionable Decision-Making in Patients with Myocardial Infarction with No Obstructive Coronary Artery Disease. *Journal of Clinical Medicine*, **2021**, 10, 5.1 0
- 221 Anatomie und Pathologie des Koronargefäßsystems, Physiologie und Pathophysiologie der Koronardurchleitung, Pathogenese der Atherosklerose. **2000**, 295-326
- 220 Klinik und Diagnostik der koronaren Herzkrankheit. **2000**, 327-353
- 219 Independence of Fractional Flow Reserve of Hemodynamic Loading Conditions. **2000**, 167-189
- 218 Therapie der stabilen und instabilen Angina pectoris. **2000**, 355-391
- 217 Coronary Microcirculation. **2000**, 132-140
- 216 Arterial Circulation and the Heart. **2000**, 159-199
- 215 Fractional Flow Reserve to Distinguish Significant Stenosis: Use at Diagnostic Catheterization. **2000**, 203-229
- 214 Validation of Fractional Flow Reserve in Animals. **2000**, 131-152
- 213 Preoperative Cardiac Risk Evaluation and Management in the Patient with Peripheral Vascular Disease: The Surgeon's Perspective. **2000**, 802-814
- 212 Assessment of Myocardial Perfusion by Contrast Echocardiography. **2000**, 81-151
- 211 Echocardiography in Coronary Artery Disease. **2000**, 177-195
- 210 ?????? : ?????(?????????) : 8.?????????(?64? ??????????). **2000**, 8, 307-313
- 209 Quantifizierung der Myokardperfusion mit der Magnetresonanztomographie. **2002**, 135-145
- 208 Microcirculatory Function: Coronary Vasculature. **2002**, 162-174
- 207 X-Ray Coronary Angiography. **2002**, 602-635

206 Functional Coronary Artery Diagnostic Evaluations. **2002**, 701-713

205 Myocardial Blood Flow and Perfusion: Radionuclide Techniques. **2002**, 555-577

204 Integrated Coronary Physiology and Pathophysiology. **2002**, 717-745

203 Flussmessungen. **2002**, 151-160

202 Coronary Artery Syndrome X. **2002**, 930-935

201 Thorax und Gefäß. **2002**, 509-676

200 Lesion Assessment. **2003**, 7-26

199 PET Quantitation of Myocardial Blood Flow. **2003**, 79-96

198 Flow measurements. **2004**, 215-226

197 Absolute quantification of myocardial perfusion with magnetic resonance first-pass imaging. **2004**, 187-199

196 Diagnostic Tools to Approach the Cardiac Patient. **2004**, 1-12

195 Klinik der koronaren Herzerkrankung I: Stabile Angina pectoris, stumme Myokardischämie. **2004**, 463-496

194 Advances in Cardiac Applications for PET and PET/CT. **2004**, 424-443

193 Physiologie der Koronardurchblutung. **2004**, 79-101

192 Belastungs-EKG. **2004**, 193-210

191 Nuclear Cardiology. **2007**, 137-160

1

190 Diurnal Variation in Coronary Flow Velocity Reserve in Healthy Men. **2007**, 5, 72-78

0

189 Approach to intermediate lesions Konstantinos Dimopoulos, Liviu Ghilencea, Alessio La Manna, and Carlo Di Mario. **2007**, 139-154

188 Diagnosis of Coronary Restenosis Using Coronary Flow Reserve Measurements Obtained Through Transthoracic Doppler Echocardiography. **2008**, 38, 325

187 Assessment of ischemic heart disease by transthoracic echocardiography. **2008**, 35, 613-622

1

186 Imaging for Viable and Ischemic Myocardium. **2009**, 13-36

185 Effects of Arachidonic Acid-Supplementation on Brain Functions. **2009**, 9, 433-441

184 Functional measurement in the catheterization lab-or is coronary angiography always flawless?. **2009**, 51, 26-30

1

183 Coronary Physiology and Atherosclerosis. **2011**, 132-156

182 Positron emission tomography. **2011**, 179-186

181 Physiologic Assessment in the Cardiac Catheterization Laboratory. 74-89

180 Chronic Stable Angina. **2012**, 271-290

179 Invasive assessment and management of intermediate coronary narrowings. **2012**, 302-311

178 Clinical Manifestations of Atherothrombosis. **2013**, 45-58

177 RADIONUCLIDE QUANTITATIVE IN ASSESSMENT OF MYOCARDIAL BLOOD FLOW. **2013**, 12, 111-116

176 Physiologic Evaluation of Patients with Ischemic Heart Disease. **2014**, 193-205

175 Computational Fluid Dynamic Analysis of Coronary Artery Stenting. **2014**, 4, 155-159

0

174 Diagnostic Coronary Angiography. **2014**, 1-72

173 Perfusion Measurements of the Myocardium: Radionuclide Methods and Related Techniques. **2014**, 1-89

172 Myocardial Imaging at Rest and During Stress with MAA or Microspheres. **1977**, 89-100

171 Assessment of Regional Myocardial Blood Flow Using the Inert Gas Washout Technique. **1979**, 63-76

1

170	Koronararteriographie und Ventrikulographie. 1980 , 110-210	5
169	Pathophysiologische Grundlagen. 1980 , 1-10	2
168	Regional Myocardial Perfusion Assessed by Nitrogen-13 Labeled Ammonia and Positron Emission Computerized Axial Tomography. 1980 , 20-34	2
167	Simulation Study of Flow Distribution across Myocardium. 1980 , 293-299	
166	Quantitative Coronary Angiography: Effect of Isosorbide Dinitrate on Coronary Artery Stenoses. 1981 , 231-237	1
165	Coronary Arteries. 1981 , 26-35	
164	Nuclear imaging techniques in cardiology and cardiac surgery. 1981 , 179-222	
163	Relationship Between Coronary Obstructions and Regional Myocardial Blood Flow in Man During Stress Provoked by Rapid Atrial Pacing. 1982 , 98-110	1
162	Belastungs-EKG. 1982 , 254-283	
161	Quantitative Koronarangiographie: Wirkung von Isosorbiddinitrat auf Koronararterien-Stenosen. 1982 , 250-256	
160	Radionuclide Perfusion Techniques. 1982 , 295-324	
159	Coronarerkrankungen. 1982 , 907-1054	
158	Belastungs-EKG. 1984 , 277-331	3
157	Globale und regionale Kontraktionsstörungen des Herzens bei koronarer Herzkrankheit. 1984 , 305-360	
156	Echokardiographische Befunde bei der chronischen Herzinsuffizienz. 1984 , 181-214	
155	Pathophysiologie der Koronardurchblutung. 1984 , 95-155	1
154	Myocardial Ischemia: A Profile of its Pathophysiological Basis and its Detection by Nuclear Cardiology. 1985 , 3-48	1
153	Assessment of Coronary Artery Disease and Myocardial Ischemia by Invasive Methods. 1985 , 239-284	1

152 Cardiovascular Nuclear Medicine. **1985**, 73-105

151 Korrelation zwischen Ergo-EKG und Koronarangiogramm. **1985**, 104-110

150 Pathophysiology of Coronary Artery Disease in Humans. **1985**, 27-61

149 Digital imaging modalities for coronary and myocardial wall studies. **1986**, 33-49

148 Effects of coronary atherosclerosis on coronary reserve. **1986**, 229-237

147 Pathophysiologische Aspekte der koronaren Herzkrankheit. **1986**, 85-94

146 Evaluation of Left Ventricular Function Using Biplane Quantitative Ventriculography with Supine Leg Exercise. **1986**, 190-201

145 Left ventricular and coronary cineangiography; overview of techniques, applications and limitations. **1986**, 3-40

144 Bedeutung und Wertigkeit des Belastungs-EKG bei koronarkranken Frauen. **1987**, 81-91

3

143 Radiopharmaceuticals for cardiovascular nuclear medicine. **1987**, 1-37

1

142 Blood Flow Measurements with Digital Arteriography. **1987**, 37-43

1

141 Coronary Arterial Flow Measurements by Doppler Techniques. **1987**, 170-182

140 Microcirculation in Myocardial Ischemia and Reperfusion. **1988**, 46-51

139 Parametric Encoding of Coronary Arteriograms for the Evaluation of Hyperemic Reserve. **1988**, 253-263

138 Theoretical and practical aspects of digital angiography for quantitative coronary flow studies. **1988**, 207-224

137 Methods for Calculation of Coronary Flow Reserve by Computer Processing of Digital Angiograms. **1988**, 237-251

1

136 Coronarerkrankungen. **1989**, 924-1033

135 Intraoperative contrast echocardiography can directly assess myocardial perfusion. **1989**, 363-366

- 134 Coronary Blood Flow and Coronary Vascular Reserve. **1989**, 22-34
- 133 Dipyridamole Thallium for Evaluating Coronary Artery Disease. **1989**, 161-167
- 132 Belastungs-EKG. **1989**, 219-246 2
- 131 Flow Dynamics in Coronary Stenosis. **1990**, 295-304
- 130 Coronary Reserve in the Human Coronary Circulation. **1990**, 281-294 1
- 129 Pathophysiology of the coronary circulation. **1991**, 325-350
- 128 Myocardial contrast echocardiography for the evaluation of coronary flow reserve. **1991**, 389-396 1
- 127 Introduction. **1991**, 1-11
- 126 Mean Transit Time for the Assessment of Myocardial Perfusion by Videodensitometry. **1991**, 69-99
- 125 Restenosis following Coronary Angioplasty. **1991**, 125-133
- 124 Mechanisms of Acute Myocardial Ischemia. **1991**, 9, 455-467 1
- 123 New developments in pharmacological stress imaging. **1992**, 503-537
- 122 Functional Aspects of Collateral Development in Animal Models. **1992**, 149-172
- 121 Stellenwert der pharmakologischen Belastungsechokardiographie. **1993**, 85-100 1
- 120 Cardiac output and coronary blood flow during pharmacologic stress testing. **1993**, 273-285
- 119 Pharmacological prevention of restenosis after percutaneous transluminal coronary angioplasty [PTCA]: overview and methodological considerations. **1993**, 329-350 1
- 118 Quantitative coronary angiography in the assessment of risk factors for luminal renarrowing. **1994**, 469-493
- 117 Restenosis assessed by quantitative angiography. Lessons learned from two european multicenter trials. **1994**, 495-535

116 Assessment of coronary stenosis severity from simultaneous measurement of transstenotic pressure gradient and flow. A comparison with quantitative coronary angiography. **1994**, 283-306

115 The importance of coronary dissection during and after coronary balloon angioplasty as evaluated by quantitative coronary angiography. **1994**, 433-450

114 Calculation of maximum coronary, myocardial, and collateral blood flow by pressure measurements in the coronary circulation. **1994**, 243-269

113 Visual versus quantitative analysis of coronary artery stenoses treated by coronary angioplasty: can the angiographer's eye be re-educated?. **1994**, 137-146

112 Pharmacological Investigation Using Invasive Methods. **1994**, 103-117

111 Intracoronary pressure measurements for calculation of flow reserve. **1994**, 207-226

110 Evolving quantitative angiographic approaches to the comparative assessment of luminal renarrowing and longterm outcome after different transluminal coronary interventions. **1994**, 611-634

109 Heart Failure Secondary to Coronary Artery Disease. **1994**, 177-195

108 The instantaneous hyperemic pressure-flow relationship in conscious humans. **1994**, 247-268

4

107 Current status and future expectations of the flow velocity guidewire. **1996**, 389-402

106 On-line assessment of myocardial flow reserve. **1996**, 443-459

105 Belastungs-EKG. **1996**, 252-281

104 Assessment of Myocardial Perfusion with ¹³N-Ammonia or ⁸²Rb. **1996**, 121-146

103 Koronare Herzkrankheit und Herzinfarkt. **1996**, 421-554

102 Myocardial blood flow quantitation with positron emission tomography. **1996**, 513-529

101 Assessment of Myocardial Perfusion by PET. **1996**, 13-23

100 Angiographic assessment of immediate success and the problem (definition) of restenosis after coronary interventions. **1996**, 311-340

99 Klinik der koronaren Herzerkrankung I: Angina pectoris, stumme Myokardischämie, instabile Angina pectoris. **1996**, 625-678

- 98 Perfusion imaging by PET to assess stenosis significance. **1996**, 135-147
- 97 Introduction to Invasive Assessment of the Coronary Circulation. **1997**, 25-47
- 96 Assessment of Collateral Blood Flow by Coronary Pressure Measurement. **1997**, 237-259
- 95 Myocardial Fractional Flow Reserve and Clinical Outcome. **1997**, 273-285
- 94 Physiologie des Myokards. **1997**, 3-14
- 93 Independence of Fractional Flow Reserve of Hemodynamic Loading Conditions. **1997**, 157-178
- 92 Morphologic Analysis of Coronary Stenoses by Coronary Angiography: Subjective Variability and Accuracy. **1997**, 1-29
- 91 Coronary Remodeling and Interventional Strategies. **1997**, 471-504
- 90 Fractional Flow Reserve to Distinguish Significant Stenosis. **1997**, 189-220
- 89 Unstable Angina Pectoris. **1998**, 103-142
- 88 Arterial function in renal failure. **1998**, 975-981
- 87 The Coronary Microcirculation and Myocardial Ischemia. **1998**, 101-107
- 86 Myocardial ischaemia. **1998**, 149-184
- 85 Myokard-Kontrastechokardiographie: Experimentelle Ergebnisse und klinisches Potential. **1998**, 179-191
- 84 ?????????(????1997????). **1998**, 6, 105-111
- 83 Coronary flow reserve in cardiac allograft vasculopathy. **1999**, 68, 1435-6
- 82 Myocardial Blood Flow as a Biomarker. **2015**, 1-20
- 81 Physiology and Pathophysiology of Coronary Circulation. **2015**, 1789-1809

80 Coronary Flow Resistance and Reserve. **2015**, 95-105

79 Myocardial Blood Flow as a Biomarker. **2016**, 1057-1076

78 Noninvasive Assessment of Coronary Artery Disease: Fractional Flow Reserved Derived from Coronary Computed Tomography Angiography (FFRCT). **2016**, 1, 137-141

77 Pharmacologic Stress Testing. **2017**, 53-61

76 Understanding Fractional Flow Reserve. **2017**, 195-208

75 Practical Aspects of Intracoronary Pressure and Flow Measurements. **2017**, 137-156

74 Art and Science. **2018**, 4, 1-4

73 Angina and Ischemia in Women with No Obstructive Coronary Artery Disease. **2018**, 101-133

72 Comparison of coronary angiography and intracoronary imaging with fractional flow reserve for coronary artery disease evaluation: An anatomical-functional mismatch. **2018**, 20, 182-189 2

71 Reply to the letter to the editor "Stenosis severity indices cannot reflect lumen loss in stent trials". **2018**, 14, 839-840 1

70 Intracoronary Hemodynamics. **2019**, 351-362

69 ??????????????????????????????????. **2019**, 31, 16-16

68 Chronische Koronarinsuffizienz. **2020**, 57-136

67 Can the Wall Shear Stress Values of Left Internal Mammary Artery Grafts during the Perioperative Period Reflect the One-Year Patency?. **2020**, 68, 723-729 0

66 Instabile Angina pectoris. **1983**, 25-34 2

65 Pathophysiologie der myokardialen Ischämiesyndrome. **2020**, 5-17

64 Diagnosis of Coronary Microvascular Dysfunction. **2021**, 119-137

63 Chapter 26: Heart. **2020**,

62	Evaluation of myocardial blood flow and coronary flow reserve [The physiological foundation and clinical significance of myocardial perfusion scintigraphy in the examination of patients with chronic coronary syndrome. 2020 , 25, 74-80		4
61	Mechanisms of exertional angina in patients with normal coronary arteries. 2020 , 20, s44-s45		
60	Microvascular Dysfunction in Patients With Type II Diabetes Mellitus: Invasive Assessment of Absolute Coronary Blood Flow and Microvascular Resistance Reserve. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 765071	5.4	9
59	Koronare Herzkrankheit und Herzinfarkt. 2006 , 27-142		
58	Coronary Artery Stenoses: Detection, Quantitation and Characterization. 2006 , 51-111		
57	Cardiac Catheterization and Coronary Angiography. 2005 , 197-219		1
56	[Possibilities of Stress Computed Tomography Myocardial Perfusion Imaging in the Diagnosis of Ischemic Heart Disease]. <i>Kardiologiya</i> , 2020 , 60, 122-131	1.5	
55	Morphology and physiology together: Is optical coherence tomography the one-stop-shop of invasive cardiology?. <i>Cardiology Journal</i> , 2020 , 27, 345-346	1.4	0
54	Transcatheter coronary artery diagnostic techniques including impedance-catheter and impedance-guidewire measurement of absolute coronary blood flow. <i>Texas Heart Institute Journal</i> , 1989 , 16, 195-203	0.8	
53	Thallium 201 scintigraphy. <i>Western Journal of Medicine</i> , 1980 , 133, 26-43		7
52	Association of coronary plaque burden with fractional flow reserve: should we keep attempting to derive physiology from anatomy?. <i>Cardiovascular Diagnosis and Therapy</i> , 2015 , 5, 67-70	2.6	1
51	Advances in myocardial CT perfusion imaging technology. <i>American Journal of Translational Research (discontinued)</i> , 2016 , 8, 4523-4531	3	6
50	The Impact of Fractional Flow Reserve-Guided Coronary Revascularization in Patients with Coronary Stenoses of Intermediate Severity. <i>Acta Cardiologica Sinica</i> , 2017 , 33, 353-361	1.1	3
49	Characteristics of coronary flow velocity reserve on transthoracic Doppler echocardiography in patients with a history of Kawasaki disease. <i>Cardiology in the Young</i> , 2021 , 1-5	1	0
48	Importance of Visual Estimation of Coronary Artery Stenoses and Use of Functional Evaluation for Appropriate Guidance of Coronary Revascularization-Multiple Operator Evaluation.. <i>Diagnostics</i> , 2021 , 11,	3.8	1
47	Myocardial blood flow is the dominant factor influencing cardiac magnetic resonance adenosine stress T2. <i>NMR in Biomedicine</i> , 2021 , e4643	4.4	1
46	Multiparametric analysis of coronary flow in psoriasis using a coronary flow reserve companion. <i>European Journal of Clinical Investigation</i> , 2021 , e13711	4.6	0
45	On the issue of critical arterial stenosis. <i>Učnye Zapiski Sankt-Peterburgskogo Gosudarstvennogo Medicinskogo Universiteta Im Akad I P Pavlova</i> , 2021 , 28, 9-16	0.2	1

44	Beyond Coronary CT Angiography: CT Fractional Flow Reserve and Perfusion. <i>Journal of the Korean Society of Radiology</i> , 2022 , 83, 3	0.2	
43	Coronary volume to left ventricular mass ratio in patients with diabetes mellitus.. <i>Journal of Cardiovascular Computed Tomography</i> , 2022 ,	2.8	0
42	Identification of Risk Factors for Coronary Artery Disease in Asymptomatic Patients with Type 2 Diabetes Mellitus.. <i>Journal of Clinical Medicine</i> , 2022 , 11,	5.1	0
41	Pre-dialysis diastolic blood pressure and intradialytic hypotension in patients undergoing maintenance haemodialysis.. <i>Journal of Nephrology</i> , 2022 , 1	4.8	
40	Wellens' Syndrome from COVID-19 Infection Assessed by Enhanced Transthoracic Coronary Echo Doppler: A Case Report.. <i>Diagnostics</i> , 2022 , 12,	3.8	1
39	Anatomical Assessment vs. Pullback REsting full-cycle rAtio (RFR) Measurement for Evaluation of Focal and Diffuse Coronary Disease: Rationale and Design of the "READY Register" .. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 784220	5.4	1
38	Interactions Between Morphological Plaque Characteristics and Coronary Physiology: From Pathophysiological Basis to Clinical Implications.. <i>JACC: Cardiovascular Imaging</i> , 2021 ,	8.4	1
37	Viewpoint: stunning and longterm perfusion-contraction matching are clinically indistinguishable components of clinical hibernation and separation, even if practical, is unlikely to matter. <i>Basic Research in Cardiology</i> , 1997 , 92 Suppl 2, 26-9	11.8	1
36	Pharmacologic Stress Testing. 2022 , 51-57		
35	Clinical use of physiological lesion assessment using pressure guidewires: an expert consensus document of the Japanese association of cardiovascular intervention and therapeutics-update 2022.. <i>Cardiovascular Intervention and Therapeutics</i> , 2022 ,	2.5	1
34	Interventional Approach in Small Vessel, Diffuse, and Tortuous Coronary Artery Disease. 2022 , 228-236		
33	Should CFR Be Routinely Measured in the Cath Lab?. <i>JACC: Cardiovascular Interventions</i> , 2022 , 15, 1057-1059		
32	Coronary Flow Evaluation in Heart Transplant Patients Compared to Healthy Controls Documents the Superiority of Coronary Flow Velocity Reserve Companion as Diagnostic and Prognostic Tool. <i>Frontiers in Cardiovascular Medicine</i> , 9,	5.4	0
31	Improved Functional Assessment of Ischemic Severity Using 3D Printed Models. <i>Frontiers in Cardiovascular Medicine</i> , 9,	5.4	
30	Relation of hyperemic response during fractional flow reserve measurement to coronary flow reserve. 2022 ,		
29	Traditional chinese medicine in coronary microvascular disease. 13,		0
28	Intravascular imaging in coronary stent restenosis: Prevention, characterization, and management. 9,		
27	Current concepts of optical coherence tomography assessment of left main coronary artery during coronary interventions. 2022 , 12, 89		0

- 26 Numerical Analysis on Effect of Coronary Supply-Demand Equilibrium on Varying Coronary Blockage and Stress Conditions. **2022**, ○
- 25 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, ○
- 24 A predictive patient-specific computational model of coronary artery bypass grafts for potential use by cardiac surgeons to guide selection of graft configurations. 9, ○
- 23 Digital positron emission tomography [Making cardiac risk stratification fit for the future. **2022**, ○
- 22 Understanding the Basis for Hyperemic and Nonhyperemic Coronary Pressure Assessment. **2023**, 12, 1-12 ○
- 21 Has the time come to consider expanding functional assessment of coronary circulation?. **2022**, 21, 150-155 ○
- 20 Myocardial Perfusion and Coronary Physiology Assessment of Microvascular Dysfunction in Patients Undergoing Transcatheter Aortic Valve Implantation Rationale and Design. **2022**, 7, 230 ○
- 19 Validation of pressure-bounded coronary flow reserve using invasive coronary physiologic assessment. ○
- 18 Improved detection of coronary artery disease by CZT regional coronary blood flow evaluation. 2, ○
- 17 Coronary Flow Velocity Reserve by Echocardiography: Beyond Atherosclerotic Disease. **2023**, 13, 193 ○
- 16 Validation of a novel numerical model to predict regionalised blood flow in the coronary arteries. ○
- 15 Impact of core laboratory assessment on treatment decisions and clinical outcomes using combined fractional flow reserve and coronary flow reserve measurements [DEFINE-FLOW core laboratory sub-study. **2023**, ○
- 14 A high-fidelity geometric multiscale hemodynamic model for predicting myocardial ischemia. **2023**, 233, 107476 ○
- 13 Intervention in Acute Myocardial Infarction. **1989**, 27, 1205-1215 ○
- 12 Digital Cardiac Radiology. **1985**, 23, 261-273 ○
- 11 The role of coronary computed tomography angiography in low- and intermediate-risk patients with chest pain: a paradigm shift in modern cardiology. ○
- 10 A cross-comparison between PMOD and HeartSee for absolute quantification of myocardial blood flow in PET imaging. ○
- 9 Physiologic Assessment of Coronary Artery Disease: Past, Present and Future. **2023**, 2, 66 ○

8	Beyond CFR. 2023 , 16, 482-484	0
7	Factors Associated with Impaired Resistive Reserve Ratio and Microvascular Resistance Reserve. 2023 , 13, 950	0
6	Invasive Detection of Coronary Microvascular Dysfunction: How It Began, and Where We Are Now. 18,	0
5	Molecular Imaging in Cardiology. 2023 , 425-460	0
4	Évaluation de l'ischémie myocardique durant la coronarographie : quelles techniques récentes aux côtés de la FFR?. 2023 ,	0
3	Evolving Diagnostic and Management Advances in Coronary Heart Disease. 2023 , 13, 951	0
2	Radiopharmaceuticals for Cardiac Imaging. 1985 , 23, 765-781	1
1	Defining Hemodynamic Significance of Renal Artery Stenosis: Insights From a Porcine Model of Graded Renal Artery Stenosis. 2023 ,	0