

CITATION REPORT

List of articles citing

Fractional flow reserve versus angiography for guiding percutaneous coronary intervention in patients with multivessel coronary artery disease: 2-year follow-up of the FAME (Fractional Flow Reserve Versus Angiography for Multivessel Evaluation) study

DOI: 10.1016/j.jacc.2010.04.012

Journal of the American College of Cardiology, 2010, 56, 177-84.

Source: <https://exaly.com/paper-pdf/49341656/citation-report.pdf>

Version: 2024-04-27

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

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

#	Paper	IF	Citations
922	Interference with MCP-1 gene expression by vector generated triple helix-forming RNA oligonucleotides. 2005 , 62, 362-76		3
921	Is angioplasty able to become the gold standard of treatment beyond bypass surgery for patients with multivessel coronary artery disease? Therapeutic strategies for 3-vessel coronary artery disease: OPCAB vs PCI(PCI-Side). 2010 , 74, 2744-9		15
920	Can we apply coronary physiologic methods to renal artery stenosis assessment?. 2010 , 76, 733-4		
919	Fractional flow reserve: a new set of lenses for the oculostenotic reflex?. 2010 , 3, 1282-3		2
918	Coronary artery disease: Percent stenosis in CAD--a flaw in current practice. 2010 , 7, 482-4		9
917	Impact of incomplete revascularization on long-term mortality after coronary stenting. 2011 , 4, 413-21		45
916	Coronary physiology in the cath lab: beyond the basics. 2011 , 29, 237-67		4
915	Almanac 2011: stable coronary artery disease. The national society journals present selected research that has driven recent advances in clinical cardiology. 2011 , 30, 869-869		
914	Highlights of the year in JACC 2010. <i>Journal of the American College of Cardiology</i> , 2011 , 57, 480-514	15.1	1
913	The Year in Interventional Cardiology. <i>Journal of the American College of Cardiology</i> , 2011 , 57, 2207-2220	15.1	
912	The year in atherothrombosis. <i>Journal of the American College of Cardiology</i> , 2011 , 58, 779-91	15.1	7
911	Bringing it all together: integration of physiology with anatomy during cardiac catheterization. <i>Journal of the American College of Cardiology</i> , 2011 , 58, 1219-21	15.1	33
910	Diagnosis of ischemia-causing coronary stenoses by noninvasive fractional flow reserve computed from coronary computed tomographic angiograms. Results from the prospective multicenter DISCOVER-FLOW (Diagnosis of Ischemia-Causing Stenoses Obtained Via Noninvasive Fractional Flow Reserve) study. <i>Journal of the American College of Cardiology</i> , 2011 , 58, 1228-37	15.1	804
909	2011 ACCF/AHA/SCAI Guideline for Percutaneous Coronary Intervention: Executive Summary: A Report of the American College of Cardiology Foundation/American Heart Association Task Force on Practice Guidelines and the Society for Cardiovascular Angiography and Interventions. <i>Journal of the American College of Cardiology</i> , 2011 , 58, 2550-2583	15.1	99
908	2011 ACCF/AHA/SCAI Guideline for Percutaneous Coronary Intervention. A report of the American College of Cardiology Foundation/American Heart Association Task Force on Practice Guidelines and the Society for Cardiovascular Angiography and Interventions. <i>Journal of the American College of Cardiology</i> , 2011 , 58, 141-188	15.1	1703
907	Anatomy meets function. Modeling coronary flow reserve on the basis of coronary computed tomography angiography. <i>Journal of the American College of Cardiology</i> , 2011 , 58, 1998-2000	15.1	11
906	Rationale and design of the DeFACTO (Determination of Fractional Flow Reserve by Anatomic Computed Tomographic AngiOgraphy) study. 2011 , 5, 301-9		95

905	Fractional flow reserve in unstable angina and non-ST-segment elevation myocardial infarction experience from the FAME (Fractional flow reserve versus Angiography for Multivessel Evaluation) study. 2011 , 4, 1183-9	126
904	Long-term follow-up after fractional flow reserve-guided treatment strategy in patients with an isolated proximal left anterior descending coronary artery stenosis. 2011 , 4, 1175-82	69
903	Noninvasive assessment of coronary artery disease anatomy, physiology, and clinical outcome. 2011 , 4, 62-4	5
902	Contemporary and evolving risk scoring algorithms for percutaneous coronary intervention. 2011 , 97, 1902-13	56
901	Fame comes at a cost: a Canadian analysis of procedural costs in use of pressure wire to guide multivessel percutaneous coronary intervention. 2011 , 27, 262.e1-2	3
900	Fractional flow reserve-guided "pot stenting" in intermediate coronary stenosis" case report. 2011 , 1, 147-150	
899	The SYNTAX score and SYNTAX-based clinical risk scores. 2011 , 23, 99-105	16
898	Almanac 2011: Stable coronary artery disease. The national society journals present selected research that has driven recent advances in clinical cardiology. 2011 , 30, 869-878	
897	[Update in interventional cardiology]. 2011 , 64 Suppl 1, 13-9	1
896	A new algorithm for the management of stable coronary artery disease incorporating CT coronary angiography and fractional flow reserve: how we can improve outcomes and reduce costs. 2011 , 194, 186-9	10
895	Optimizing revascularization strategies in coronary artery disease for optimal benefit to patients. 2011 , 90, 630-3	2
894	Does it pay to be indecisive when considering revascularization during percutaneous coronary intervention?. 2011 , 3, 523-525	
893	From SYNTAX to FAME, a paradigm shift in revascularization strategies: the key role of fractional flow reserve in guiding myocardial revascularization. 2011 , 12, 538-42	17
892	The relationship between plaque imaging characterization and treatment modality selection. 2011 , 3, 597-619	
891	Two-Year outcomes after utilization of the TAXUS paclitaxel-eluting stent in bifurcations and multivessel stenting in the ARRIVE registries. 2011 , 24, 342-50	2
890	Influence of coronary computed tomographic angiography on patient treatment and prognosis in patients with suspected stable angina pectoris. 2011 , 107, 1473-9	17
889	Functional SYNTAX score for risk assessment in multivessel coronary artery disease. <i>Journal of the American College of Cardiology</i> , 2011 , 58, 1211-8	15.1 188
888	2011 ACCF/AHA/SCAI guideline for percutaneous coronary intervention: a report of the American College of Cardiology Foundation/American Heart Association Task Force on Practice Guidelines and the Society for Cardiovascular Angiography and Interventions. 2013 , 82, E266-355	81

887	Myocardial fractional flow reserve. Its role in guiding PCI in stable coronary artery disease. 2011 , 36, 410-6	4
886	Use of coronary physiology in the catheterization laboratory to guide treatment in patients with coronary artery disease. 2011 , 13, 35-45	5
885	CT-based myocardial perfusion imaging-practical considerations: acquisition, image analysis, interpretation, and challenges. 2011 , 4, 437-48	8
884	Accelerated, high spatial resolution cardiovascular magnetic resonance myocardial perfusion imaging. 2011 , 18, 952-8	5
883	FFR-Guided Percutaneous Intervention in Multivessel Coronary Artery Disease: A Real Game Changer. 2011 , 4, 263-265	
882	[Cardiac hybrid imaging]. 2011 , 6, 32-42	0
881	Utilizing risk scores in determining the optimal revascularization strategy for complex coronary artery disease. 2011 , 13, 415-23	14
880	Culprit or multivessel treatment for STEMI: the opinion of a repented principal investigator. 2011 , 77, 171-3	
879	Do not be deceived by the cunning jailed side branch. 2011 , 78, 727-8	
878	Revascularization treatment of stable coronary artery disease. 2011 , 12, 195-212	13
877	Complementary value of cardiac FDG PET and CT for the characterization of atherosclerotic disease. 2011 , 31, 1255-69	11
876	Non-invasive imaging in coronary artery disease including anatomical and functional evaluation of ischaemia and viability assessment. 2011 , 84 Spec No 3, S280-95	19
875	2011 ACCF/AHA/SCAI Guideline for Percutaneous Coronary Intervention: executive summary: a report of the American College of Cardiology Foundation/American Heart Association Task Force on Practice Guidelines and the Society for Cardiovascular Angiography and Interventions. 2011 , 124, 2574-609	389
874	Angiographic disease progression and residual risk of cardiovascular events while on optimal medical therapy: observations from the COURAGE Trial. 2011 , 4, 545-52	34
873	Intravascular detection of the vulnerable plaque. 2011 , 4, 169-78	71
872	Cardiac hybrid imaging. 2011 , 32, 2100-8	73
871	Is a myocardial infarction more likely to result from a mild coronary lesion or an ischemia-producing one?. 2011 , 4, 539-41	13
870	Paradigm shift to functional angioplasty: new insights for fractional flow reserve- and intravascular ultrasound-guided percutaneous coronary intervention. 2011 , 124, 951-7	33

869	Role of the functional SYNTAX score in evaluating multivessel coronary artery disease. 2011 , 3, 695-704	2
868	2011 ACCF/AHA/SCAI Guideline for Percutaneous Coronary Intervention: a report of the American College of Cardiology Foundation/American Heart Association Task Force on Practice Guidelines and the Society for Cardiovascular Angiography and Interventions. 2011 , 124, e574-651	1039
867	Clinical and angiographic risk stratification and differential impact on treatment outcomes in the Bypass Angioplasty Revascularization Investigation 2 Diabetes (BARI 2D) trial. 2012 , 126, 2115-24	46
866	Revascularization in multivessel CAD: a functional approach. 2012 , 9, 243-52	5
865	Should we be using fractional flow reserve more routinely to select stable coronary patients for percutaneous coronary intervention?. 2012 , 27, 675-81	10
864	MRI for the assessment of organ perfusion in patients with chronic kidney disease. 2012 , 21, 647-54	10
863	Multivessel disease: from reasonably incomplete to functionally complete revascularization. 2012 , 125, 2557-9	28
862	Computed tomography stress myocardial perfusion imaging in patients considered for revascularization: a comparison with fractional flow reserve. 2012 , 33, 67-77	171
861	Myocardial perfusion reserve assessed by T2-prepared steady-state free precession blood oxygen level-dependent magnetic resonance imaging in comparison to fractional flow reserve. 2012 , 5, 580-6	27
860	Long-term clinical outcome after fractional flow reserve-guided percutaneous coronary revascularization in patients with small-vessel disease. 2012 , 5, 62-8	64
859	Recent Advances in the Treatment of ST-Segment Elevation Myocardial Infarction. 2012 , 2012, 683683	8
858	Cardiac hybrid imaging. 2012 , 13, 51-60	35
857	Whole-heart dynamic three-dimensional magnetic resonance perfusion imaging for the detection of coronary artery disease defined by fractional flow reserve: determination of volumetric myocardial ischaemic burden and coronary lesion location. 2012 , 33, 2016-24	64
856	Functional SYNTAX Score for Risk Assessment in Multivessel Coronary Artery Disease. 2012 , 2012, 210-212	
855	Development and validation of the fractional flow reserve (FFR) angiographic scoring tool (FAST) to improve the angiographic grading and selection of intermediate lesions that require FFR assessment. 2012 , 23, 45-50	10
854	Changing of SYNTAX score performing fractional flow reserve in multivessel coronary artery disease. 2012 , 13, 368-75	15
853	Intra-aortic Balloon Counterpulsation and Infarct Size in Patients With Acute Anterior Myocardial Infarction Without Shock: The CRISP AMI Randomized Trial. 2012 , 2012, 212-214	
852	Trends in Coronary Revascularization in the United States From 2001 to 2009: Recent Declines in Percutaneous Coronary Intervention Volumes. 2012 , 2012, 242-244	

851	Why Are We Interested in Myocardial Perfusion?. 2012 , 45-55		
850	CT Myocardial Perfusion Imaging: Clinical Implementation. 2012 , 209-225		
849	Obstructive coronary atherosclerosis and ischemic heart disease: an elusive link!. <i>Journal of the American College of Cardiology</i> , 2012 , 60, 951-6	15.1	166
848	Results of Fractional Flow Reserve Measurement to Evaluate Nonculprit Coronary Artery Stenoses in Patients With Acute Coronary Syndrome. 2012 , 65, 164-170		
847	Spanish Cardiac Catheterization and Coronary Intervention Registry. 21st Official Report of the Spanish Society of Cardiology Working Group on Cardiac Catheterization and Interventional Cardiology (1990-2011). 2012 , 65, 1106-1116		
846	Spanish Cardiac Catheterization and Coronary Intervention Registry. 21st official report of the Spanish Society of Cardiology Working Group on Cardiac Catheterization and Interventional Cardiology (1990-2011). 2012 , 65, 1106-16		41
845	Results of fractional flow reserve measurement to evaluate nonculprit coronary artery stenoses in patients with acute coronary syndrome. 2012 , 65, 164-70		19
844	Diagnostic accuracy of fractional flow reserve from anatomic CT angiography. 2012 , 308, 1237-45		743
843	Through the looking glass: is there still a gold standard in the wonderland of cardiac imaging?. 2012 , 28, 405-7		
842	Impact of different exercise training modalities on the coronary collateral circulation and plaque composition in patients with significant coronary artery disease (EXCITE trial): study protocol for a randomized controlled trial. 2012 , 13, 167		10
841	Impact of the presence and extent of incomplete angiographic revascularization after percutaneous coronary intervention in acute coronary syndromes: the Acute Catheterization and Urgent Intervention Triage Strategy (ACUITY) trial. 2012 , 125, 2613-20		99
840	Functional measurement of coronary stenosis. <i>Journal of the American College of Cardiology</i> , 2012 , 59, 1045-57	15.1	203
839	Development and validation of a new adenosine-independent index of stenosis severity from coronary wave-intensity analysis: results of the ADVISE (ADenosine Vasodilator Independent Stenosis Evaluation) study. <i>Journal of the American College of Cardiology</i> , 2012 , 59, 1392-402	15.1	453
838	An adenosine-independent index of stenosis severity from coronary wave-intensity analysis: a new paradigm in coronary physiology for the cath lab?. <i>Journal of the American College of Cardiology</i> , 2012 , 59, 1403-5	15.1	14
837	Fractional flow reserve estimation by coronary computed tomography angiography. <i>Journal of the American College of Cardiology</i> , 2012 , 59, 1410-1; author reply 1411	15.1	7
836	2012 American College of Cardiology Foundation/Society for Cardiovascular Angiography and Interventions expert consensus document on cardiac catheterization laboratory standards update: A report of the American College of Cardiology Foundation Task Force on Expert Consensus documents developed in collaboration with the Society of Thoracic Surgeons and Society for	15.1	153
835	Impact of ischemia-guided revascularization with myocardial perfusion imaging for patients with multivessel coronary disease. <i>Journal of the American College of Cardiology</i> , 2012 , 60, 181-90	15.1	54
834	Maximal hyperemia in the assessment of fractional flow reserve: intracoronary adenosine versus intracoronary sodium nitroprusside versus intravenous adenosine: the NASCI (Nitroprussiato versus Adenosina nelle Stenosi Coronariche Intermedie) study. 2012 , 5, 402-8		72

833	Relationship between fractional flow reserve and angiographic and intravascular ultrasound parameters in ostial lesions: major epicardial vessel versus side branch ostial lesions. 2012 , 5, 409-15	38
832	The impact of sex differences on fractional flow reserve-guided percutaneous coronary intervention: a FAME (Fractional Flow Reserve Versus Angiography for Multivessel Evaluation) substudy. 2012 , 5, 1037-42	58
831	FFR and coronary flow reserve: friends or foes?. 2012 , 5, 203-6	19
830	Characteristics and clinical significance of angiographically mild lesions in acute coronary syndromes. 2012 , 5, S86-94	20
829	Usefulness of noninvasive fractional flow reserve computed from coronary computed tomographic angiograms for intermediate stenoses confirmed by quantitative coronary angiography. 2012 , 110, 971-6	73
828	The concept of functional revascularization. 2012 , 54, e162-e166	
827	Risk assessment in the era of high-speed myocardial perfusion imaging. 2012 , 19, 1102-5	3
826	Integrating Physiologic and Anatomic Assessment of Coronary Artery Disease by Coronary Computed Tomographic Angiography. 2012 , 5, 301-309	
825	CT fractional flow reserve: the next level in non-invasive cardiac imaging. 2012 , 20, 410-8	14
824	Identifying and redefining stenosis by CT angiography. 2012 , 30, 57-67	
823	Fractional flow reserve: the past, present and future. 2012 , 42, 441-6	8
822	OBSTRUCTIVE CORONARY ATHEROSCLEROSIS AND ISCHEMIC HEART DISEASE: AN ELUSIVE LINK!. 2012 , 8, 721-726	3
821	Coronary pressure-derived fractional flow reserve measurements: recommendations for standardization, recording, and reporting as a core laboratory technique. Proposals for integration in clinical trials. 2012 , 5, 312-7	40
820	Staging of multivessel percutaneous coronary interventions: an expert consensus statement from the Society for Cardiovascular Angiography and Interventions. 2012 , 79, 1138-52	19
819	2011 ACCF/AHA/SCAI Guideline for Percutaneous Coronary Intervention: executive summary: a report of the American College of Cardiology Foundation/American Heart Association Task Force on Practice Guidelines and the Society for Cardiovascular Angiography and Interventions. 2012 , 79, 453-95	121
818	Morphology of coronary artery lesions assessed by virtual histology intravascular ultrasound tissue characterization and fractional flow reserve. 2012 , 28, 221-8	16
817	PET measurement of adenosine stimulated absolute myocardial blood flow for physiological assessment of the coronary circulation. 2012 , 19, 347-54	16
816	Stress CT perfusion: coupling coronary anatomy with physiology. 2012 , 19, 588-600	21

815	Coronary CT angiography after stress testing: an efficient use of resources? Implications of the Advanced Cardiovascular Imaging Consortium (ACIC) results. 2012 , 19, 649-57	5
814	Intravascular ultrasound lumen area parameters for assessment of physiological ischemia by fractional flow reserve in intermediate coronary artery stenosis. 2012 , 13, 177-82	38
813	Almanac 2011: Stable coronary artery disease. The national society journals present selected research that has driven recent advances in clinical cardiology. 2012 , 64, 59-68	
812	The adequacy of myocardial revascularization in patients with multivessel coronary artery disease. 2013 , 168, 1748-57	28
811	Cardiac Imaging as a Guide for Revascularization and Medical Management of Chronic Coronary Artery Disease. 2013 , 6, 379-383	
810	Comparison of MR and CT for the Assessment of the Significance of Coronary Artery Disease: a Review. 2013 , 6, 102-116	2
809	Diagnosing and characterizing coronary artery disease in women: developments in noninvasive and invasive imaging techniques. 2013 , 6, 740-51	5
808	The prognosis for prognosis remains excellent. 2013 , 20, 501-3	1
807	Myocardial density analysis utilizing automated myocardial defect analysis software on resting 320-detector MDCT. 2013 , 29, 1121-7	3
806	Prediction of coronary risk by SYNTAX and derived scores: synergy between percutaneous coronary intervention with taxus and cardiac surgery. <i>Journal of the American College of Cardiology</i> , 2013 , 62, 1219-1230 ^{15,1}	81
805	Long-term clinical outcome after fractional flow reserve- versus angio-guided percutaneous coronary intervention in patients with intermediate stenosis of coronary artery bypass grafts. 2013 , 166, 110-8	41
804	Impact of ischemia and scar on therapeutic benefit of myocardial revascularization. 2013 , 38, 344-9	1
803	Current status of cardiac CT for the detection of myocardial ischemia. 2013 , 38, 359-66	1
802	Non-fibroatheroma lesion phenotype and long-term clinical outcomes: a substudy analysis from the PROSPECT study. 2013 , 6, 908-16	37
801	Which is better for predicting ischemic events: Physiology or morphology?. 2013 , 8, e67-e68	
800	Accuracy and clinical outcomes of computed tomography coronary angiography in the presence of a high coronary calcium score. 2013 , 22, 980-6	9
799	Myocardial perfusion scintigraphy using rubidium-82 positron emission tomography. 2013 , 107, 87-100	9
798	Coronary computed tomography angiography for stable angina: past, present, and future. 2013 , 29, 266-74	8

797	Registro Español de Hemodinámica y Cardiología Intervencionista. XXII Informe Oficial de la Sección de Hemodinámica y Cardiología Intervencionista de la Sociedad Española de Cardiología (1990-2012). 2013 , 66, 894-904		31
796	Diagnostic accuracy of optical coherence tomography parameters in predicting in-stent hemodynamic severe coronary lesions: validation against fractional flow reserve. 2013 , 168, 4209-13		12
795	Cardiopatía diabética y cardiología intervencionista: ¿cómo se puede mejorar los resultados clínicos? Revascularización guiada por parámetros hemodinámicos (reserva de flujo fraccional). 2013 , 66, 432-434		
794	Rationale and design of the HeartFlowNXT (HeartFlow analysis of coronary blood flow using CT angiography: NeXt sTeps) study. 2013 , 7, 279-88		47
793	Should ischemia be the main target in selecting a percutaneous coronary intervention strategy?. 2013 , 11, 1051-9		10
792	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. <i>Journal of the American College of Cardiology</i> , 2013 , 62, 1639-1653	15.1	373
791	Fractional flow reserve as a surrogate for inducible myocardial ischaemia. 2013 , 10, 439-52		111
790	Fractional flow reserve-guided coronary artery bypass grafting: can intraoperative physiologic imaging guide decision making?. 2013 , 146, 824-835.e1		33
789	Computed fractional flow reserve (FFTCT) derived from coronary CT angiography. 2013 , 6, 708-14		79
788	Lessons learned from MPI and physiologic testing in randomized trials of stable ischemic heart disease: COURAGE, BARI 2D, FAME, and ISCHEMIA. 2013 , 20, 969-75		29
787	Coronary pressure-derived fractional flow reserve in the assessment of coronary artery stenoses. 2013 , 23, 958-67		18
786	Long-term follow-up of patients with deferred coronary intervention guided by measurement of fractional flow reserve. 2013 , 32, 885-91		2
785	Long-term follow-up of patients with deferred coronary intervention guided by measurement of fractional flow reserve. 2013 , 32, 885-891		2
784	Tratamiento médico del angor. 2013 , 11, 2198-2206		
783	Transthoracic Doppler echocardiography for detection of stenoses in the left coronary artery by use of poststenotic coronary flow profiles: a comparison with quantitative coronary angiography and coronary flow reserve. 2013 , 26, 77-85		13
782	The Affordable Care Act: implications for cardiothoracic surgery. 2013 , 25, 280-6		6
781	Detection of transient regional myocardial ischemia using body surface Delta map in patients referred for myocardial perfusion imaging—a pilot study. 2013 , 46, 627-34		3
780	Comparison of sulfur hexafluoride microbubble (SonoVue)-enhanced myocardial contrast echocardiography with gated single-photon emission computed tomography for detection of significant coronary artery disease: a large European multicenter study. <i>Journal of the American College of Cardiology</i> , 2013 , 62, 1353-61	15.1	80

779	The role of noninvasive imaging in coronary artery disease detection, prognosis, and clinical decision making. 2013 , 29, 285-96	28
778	Prognostic utility of BCIS myocardial jeopardy score for classification of coronary disease burden and completeness of revascularization. 2013 , 111, 172-7	19
777	Spanish cardiac catheterization and coronary intervention registry. 22nd official report of the Spanish Society of Cardiology Working Group on Cardiac Catheterization and Interventional Cardiology (1990-2012). 2013 , 66, 894-904	4
776	Complete revascularization: a quality-performance metric?. <i>Journal of the American College of Cardiology</i> , 2013 , 62, 1432-5	15.1 7
775	Cardiac magnetic resonance myocardial perfusion imaging for detection of functionally significant obstructive coronary artery disease: a prospective study. 2013 , 168, 765-73	30
774	Diabetic heart disease and interventional cardiology: how can clinical outcomes be improved? Revascularization guided by hemodynamic parameters (fractional flow reserve). 2013 , 66, 432-4	
773	How and when to decide on revascularization in stable ischemic heart disease. 2013 , 15, 79-92	4
772	Coronary artery revascularisation: selecting the appropriate strategy. 2013 , 43, 18-22	2
771	Stable Angina. 2013 , 419-438	
770	The world post STICH: is this a "Game Changer?" A surgeon's perspective--revascularization is still the treatment of choice. 2013 , 55, 470-5	4
769	Can anatomy be used as a surrogate for physiology? The IVUS conundrum. 2013 , 168, 631-2	1
768	Long-term outcomes of fractional flow reserve-guided vs. angiography-guided percutaneous coronary intervention in contemporary practice. 2013 , 34, 1375-83	121
767	Caracterizaci3n cl3nica y hemodin3mica de pacientes sometidos a medici3n de la reserva de flujo fraccional en la Fundaci3n Abood Shaio entre 2010-2011. Primera experiencia en Colombia. 2013 , 20, 355-362	
766	Deceived incidence of acute coronary syndrome by measurement of FFR: Diagnostic gap of vulnerable plaque between physiology and morphology. 2013 , 8, e7-e8	0
765	2013 ESC guidelines on the management of stable coronary artery disease: the Task Force on the management of stable coronary artery disease of the European Society of Cardiology. 2013 , 34, 2949-3003	3076
764	Quantification of myocardial blood flow by adenosine-stress CT perfusion imaging in pigs during various degrees of stenosis correlates well with coronary artery blood flow and fractional flow reserve. 2013 , 14, 331-8	56
763	Intrakoronare Funktions- und Bildgebungsdiagnostik. 2013 , 2, 241-247	
762	Coronary stenosis: Morphologic index characterized by using CT angiography correlates with fractional flow reserve and is associated with hemodynamic status. 2013 , 269, 713-21	17

761	Functional assessment of coronary stenoses: can we live without it?. 2013 , 34, 1335-44	66
760	Are value of information methods ready for prime time? An application to alternative treatment strategies for NSTEMI patients. 2013 , 29, 435-42	12
759	Sex-related differences in fractional flow reserve-guided treatment. 2013 , 6, 662-70	29
758	Influence of the amount of myocardium subtended by a stenosis on fractional flow reserve. 2013 , 6, 29-36	71
757	In mildly symptomatic patients, should an invasive strategy with catheterization and revascularization be routinely undertaken?: in mildly symptomatic patients, an invasive strategy with catheterization and revascularization should be routinely undertaken. 2013 , 6, 107-13; discussion 113	
756	Paradigm has already shifted to ischemia-guided functional approach. 2013 , 128, 95-7	3
755	Fractional flow reserve assessment of the unprotected left main artery: a case of the cart before the horse?. 2013 , 9, 779-83	
754	CT stress perfusion imaging for detection of haemodynamically relevant coronary stenosis as defined by FFR. 2013 , 99, 1004-11	92
753	Fractional flow-guided coronary artery bypass grafting: a word of caution. 2013 , 128, 1393-5	4
752	Disturbed coronary hemodynamics in vessels with intermediate stenoses evaluated with fractional flow reserve: a combined analysis of epicardial and microcirculatory involvement in ischemic heart disease. 2013 , 128, 2557-66	110
751	Benefit of revascularization for stable ischaemic heart disease: the jury is still out. 2013 , 34, 1534-8	6
750	Advances in Coronary Revascularization. 2013 , 214-239	
749	Fractional flow reserve as the reference standard for myocardial perfusion studies: fool's gold?. 2013 , 14, 1211-3	22
748	Image-based fractional flow reserve using coronary angiography. 2013 ,	
747	Surgical treatment of left main disease and severe carotid stenosis: does the off-pump technique provide a better outcome?. 2013 , 43, 541-8; discussion 548	3
746	Strategies for multivessel revascularization in patients with diabetes. 2013 , 2, 231-4	3
745	European Perspectives. 2013 , 128,	
744	Noninvasive fractional flow reserve derived from coronary computed tomography angiography: integrated anatomical and functional assessment. 2013 , 9, 243-51	4

743	Fractional flow reserve to guide coronary revascularization. 2013 , 77, 561-9	70
742	Ischemia-guided percutaneous coronary intervention for patients with stable coronary artery disease. 2013 , 77, 1967-74	12
741	CT Evaluation of the Myocardial Supply-Fast kV-Switching Dual-Energy CT. 2013 , 103-110	
740	Impact of lesion length on functional significance in intermediate coronary lesions. 2013 , 36, 172-7	46
739	Use of Myocardial Fractional Flow Reserve to Identify Predictors of Poor Prognosis after Percutaneous Coronary Interventions. 2013 , 21, 367-372	
738	Fractional flow reserve for the assessment of complex multivessel disease in a patient after hybrid coronary revascularization. 2013 , 81, 1169-73	1
737	Long-term clinical outcomes after percutaneous coronary intervention for chronic total occlusions in elderly patients (≥5 years): five-year outcomes from a 1,791 patient multi-national registry. 2013 , 82, 85-92	22
736	Fractional Flow Reserve - A Review. 2013 , 5, 190-200	2
735	Physiologic assessment of coronary artery disease by cardiac computed tomography. 2013 , 43, 435-42	7
734	Multivessel Disease in the Modern Era of Percutaneous Coronary Intervention. 2013 ,	
733	The diagnostic performance of coronary artery angiography with 64-MSCT and post 64-MSCT: systematic review and meta-analysis. 2014 , 9, e84937	10
732	Nitroprusiato: una droga confiable para la estimaci3n de la reserva de flujo fraccional coronario. 2014 , 33, 20-26	1
731	Current Problems in the Treatment of Acute Myocardial Infarction: For Better Reperfusion and Long-Term Benefits. 2014 , 04,	
730	Translesional pressure ratio predicts technical outcome and patency in angioplasty on outflow stenosis of hemodialysis graft. 2014 , 15, 264-71	1
729	Computed Tomography Imaging of the Coronary Arteries: State of the Art Applications and Recent Patents. 2014 , 4, 22-30	
728	2014 Korean guidelines for appropriate utilization of cardiovascular magnetic resonance imaging: a joint report of the Korean Society of Cardiology and the Korean Society of Radiology. 2014 , 15, 659-88	22
727	2014 korean guidelines for appropriate utilization of cardiovascular magnetic resonance imaging: a joint report of the korean society of cardiology and the korean society of radiology. 2014 , 44, 359-85	12
726	Current Status of Coronary Intervention in Patients with ST-Segment Elevation Myocardial Infarction and Multivessel Coronary Artery Disease. 2014 , 44, 131-8	2

725	Diagnostic uncertainties during assessment of serial coronary stenoses: an in vitro study. 2014 , 136, 021026	8
724	Measurement of the blood flow rate and velocity in coronary artery stenosis using intracoronary frequency domain optical coherence tomography: Validation against fractional flow reserve. 2014 , 5, 68-71	16
723	Comparison of frequency domain optical coherence tomography and quantitative coronary angiography for the assessment of coronary lesions. 2014 ,	
722	Fractional flow reserve and appropriate use criteria. 2014 , 6, 159-165	
721	2014 ACC/AHA/AATS/PCNA/SCAI/STS focused update of the guideline for the diagnosis and management of patients with stable ischemic heart disease: a report of the American College of Cardiology/American Heart Association Task Force on Practice Guidelines, and the American Association for Thoracic Surgery, Preventive Cardiovascular Nurses Association, Society for Cardiovascular Angiography and Interventions, and Society of Thoracic Surgeons. 2014 , 130, 1749-67	361
720	Cardiac CT for myocardial ischaemia detection and characterization—comparative analysis. 2014 , 87, 20140159	11
719	Almanac 2014: cardiovascular imaging. 2014 , 100, 1661-6	
718	Techniques and best practices for optical coherence tomography: a practical manual for interventional cardiologists. 2014 , 84, 687-99	6
717	Fractional flow reserve improves long-term clinical outcomes in patients receiving drug-eluting stent implantation: insights from a meta-analysis of 14,327 patients. 2014 , 177, 1044-8	5
716	Registro Español de Hemodinámica y Cardiología Intervencionista. XXIII Informe Oficial de la Sección de Hemodinámica y Cardiología Intervencionista de la Sociedad Española de Cardiología (1990-2013). 2014 , 67, 1013-1023	42
715	Spanish Cardiac Catheterization and Coronary Intervention Registry. 23rd official report of the Spanish Society of Cardiology Working Group on Cardiac Catheterization and Interventional Cardiology (1990-2013). 2014 , 67, 1013-23	3
714	Fractional flow reserve: an updated review. 2014 , 37, 371-80	34
713	Multi-vessel versus culprit-vessel and staged percutaneous coronary intervention in STEMI patients with multivessel disease: a meta-analysis of randomized controlled trials. 2014 , 15, 408-13	17
712	Global quantification of left ventricular myocardial perfusion at dynamic CT: feasibility in a multicenter patient population. 2014 , 203, W174-80	28
711	Use of regadenoson for measurement of fractional flow reserve. 2014 , 83, 369-74	22
710	FREEDOM, SYNTAX, FAME and FUNCTIONALITY: the future of surgical revascularization in stable ischemic heart disease. 2014 , 10, 63-79	2
709	Facing the complexity of ischaemic heart disease with intracoronary pressure and flow measurements: beyond fractional flow reserve interrogation of the coronary circulation. 2014 , 29, 564-70	25
708	Functional assessment of multivessel coronary artery disease: ischemia-guided percutaneous coronary intervention. 2014 , 25, 521-8	3

707	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
706	Nonangiographic assessment of coronary artery disease: a practical approach to optical coherence tomography and fractional flow reserve. 2014 , 25, 608-18	3
705	Potential Applications of PET/MR Imaging in Cardiology. 2014 , 55, 40S-46S	43
704	A New Approach in Risk Stratification by Coronary CT Angiography. 2014 , 2014, 278039	2
703	Cost-effectiveness of initial stress cardiovascular MR, stress SPECT or stress echocardiography as a gate-keeper test, compared with upfront invasive coronary angiography in the investigation and management of patients with stable chest pain: mid-term outcomes from the CECaT randomised controlled trial. 2014 , 4, e003419	45
702	The severity of coronary artery disease and reversible ischemia revealed by N-terminal pro-brain natriuretic peptide in patients with unstable angina and preserved left ventricular function. 2014 , 52, 143-8	2
701	Improving the quality of percutaneous revascularisation in patients with multivessel disease in Australia: cost-effectiveness, public health implications, and budget impact of FFR-guided PCI. 2014 , 23, 527-33	24
700	Outcomes of coronary stenoses deferred revascularization for borderline versus nonborderline fractional flow reserve values. 2014 , 113, 1788-93	21
699	Effect of myocardial contractility on hemodynamic end points under concomitant microvascular disease in a porcine model. 2014 , 29, 97-109	9
698	Thinking outside the lumen: fractional flow reserve versus intravascular imaging for major adverse cardiac event prediction. <i>Journal of the American College of Cardiology</i> , 2014 , 63, 1141-1144	15.1 11
697	CT Imaging of Myocardial Perfusion and Viability. 2014 ,	
696	Fractional flow reserve-guided percutaneous coronary intervention is not a valid concept. 2014 , 129, 1871-8; discussion 1878	18
695	Percutaneous coronary intervention should be guided by fractional flow reserve measurement. 2014 , 129, 1860-70	25
694	Functional assessment of coronary artery disease by intravascular ultrasound and computational fluid dynamics simulation. 2014 , 33, 645.e1-645.e4	
693	Diagnostic accuracy of myocardial magnetic resonance perfusion to diagnose ischemic stenosis with fractional flow reserve as reference: systematic review and meta-analysis. 2014 , 7, 1098-105	58
692	Functional assessment of coronary artery disease by intravascular ultrasound and computational fluid dynamics simulation. 2014 , 33, 645.e1-4	4
691	Fractional flow reserve in acute coronary syndromes: A review. 2014 , 5, 20-25	8
690	Integrating Anatomical and Functional Assessment of Coronary Artery Disease: Can MDCT act as the lone Gatekeeper in the near Future?. 2014 , 7, 1	

689	The impact of age on fractional flow reserve-guided percutaneous coronary intervention: a FAME (Fractional Flow Reserve versus Angiography for Multivessel Evaluation) trial substudy. 2014 , 177, 66-70	38
688	Fractional flow reserve derived from coronary CT angiography: variation of repeated analyses. 2014 , 8, 307-14	39
687	Prognostic value of fractional flow reserve: linking physiologic severity to clinical outcomes. <i>Journal of the American College of Cardiology</i> , 2014 , 64, 1641-54	15.1 361
686	2014 ACC/AHA/AATS/PCNA/SCAI/STS focused update of the guideline for the diagnosis and management of patients with stable ischemic heart disease: a report of the American College of Cardiology/American Heart Association Task Force on Practice Guidelines, and the American Association for Thoracic Surgery, Preventive Cardiovascular Nurses Association, Society for Cardiovascular Angiography and Interventions, and Society of Thoracic Surgeons. <i>Journal of the American College of Cardiology</i> , 2014 , 63, 1929-49	15.1 497
685	[Cardiac CT: new applications]. 2014 , 63, 362-8	0
684	Correlation between low tube voltage in dual source CT coronary artery imaging with image quality and radiation dose. 2014 , 34, 616-620	2
683	Vaskuläre Pharmakodiagnostik und Pharmakotherapie. 2014 , 8, 313-318	
682	Accuracy and reproducibility of automated, standardized coronary transluminal attenuation gradient measurements. 2014 , 30, 1181-9	13
681	Magnetic resonance myocardial perfusion imaging in the diagnosis of functionally significant obstructive coronary artery disease: a systematic review protocol. 2014 , 3, 53	2
680	Stable angina pectoris. 2014 , 16, 422	11
679	Choosing the right coronary stent in the modern era. 2014 , 16, 469	1
678	Myocardial blood flow quantification for evaluation of coronary artery disease by positron emission tomography, cardiac magnetic resonance imaging, and computed tomography. 2014 , 16, 483	17
677	Benefit of cardiac N-13 PET CFR for combined anatomical and functional diagnosis of ischemic coronary artery disease: a pilot study. 2014 , 28, 746-60	9
676	Prevalence of visual-functional mismatch regarding coronary artery stenosis in the CVIT-DEFER registry. 2014 , 29, 300-8	42
675	Fractional flow reserve or optical coherence tomography guidance to revascularize intermediate coronary stenosis using angioplasty (FORZA) trial: study protocol for a randomized controlled trial. 2014 , 15, 140	12
674	Physiological basis and long-term clinical outcome of discordance between fractional flow reserve and coronary flow velocity reserve in coronary stenoses of intermediate severity. 2014 , 7, 301-11	260
673	CT angiography after 20 years: a transformation in cardiovascular disease characterization continues to advance. 2014 , 271, 633-52	70
672	Diagnostic accuracy of intravascular ultrasound-derived minimal lumen area compared with fractional flow reserve--meta-analysis: pooled accuracy of IVUS luminal area versus FFR. 2014 , 84, 377-85	38

671	Assessment of coronary blood flow in the cardiac catheterization laboratory. 2014 , 39, 159-84	1
670	The impact of residual coronary lesions on clinical outcomes after percutaneous coronary intervention: Residual SYNTAX score after percutaneous coronary intervention in patients from the Efficacy of Xience/Promus versus Cypher in rEducating Late Loss after stENTing (EXCELLENT) registry. 2014 , 167, 384-392.e5	30
669	Guía de Práctica Clínica de la ESC 2013 sobre diagnóstico y tratamiento de la cardiopatía isquémica estable. 2014 , 67, 135.e1-135.e81	9
668	The role of intravascular ultrasound and quantitative angiography in the functional assessment of intermediate coronary lesions: correlation with fractional flow reserve. 2014 , 15, 3-7	16
667	Papaverine-induced QT interval prolongation and ventricular fibrillation in a patient with a history of drug-induced QT prolongation. 2014 , 53, 1629-31	7
666	Role of fractional flow reserve in guiding intervention for borderline coronary lesions. 2014 , 2, 18-25	
665	How Can We Further Optimize the 'Invasive' Evaluation of Coronary 'Physiology'?. 2015 , 8, 1692-4	1
664	Different Treatment Strategies for Patients with Multivessel Coronary Disease and High SYNTAX Score. 2015 , 73, 769-74	
663	Usefulness and safety of intracoronary administration of nicorandil for evaluating fractional flow reserve in Japanese patients. 2015 , 38, 20-4	7
662	How can we predict reduced fractional flow reserve using coronary lesion characteristics?. 2015 , 79, 751-3	
661	Microvascular resistance in response to iodinated contrast media in normal and functionally impaired kidneys. 2015 , 42, 1245-50	6
660	Spanish Cardiac Catheterization and Coronary Intervention Registry. 24th Official Report of the Spanish Society of Cardiology Working Group on Cardiac Catheterization and Interventional Cardiology (1990-2014). 2015 , 68, 1154-64	3
659	Fractional flow reserve of non-culprit vessel post-myocardial infarction: is it reliable?. 2015 , 15, 127	1
658	Application of fractional flow reserve and optical coherence tomography examinations in a patient presenting with recurrent angina: a case report. 2015 , 9, 182	
657	Use of fractional flow reserve in different anatomical subsets. 2015 , 26 Suppl 1, e2-7	2
656	iFR-FFR comparison in daily practice: a single-center, prospective, online assessment. 2015 , 16, 625-31	11
655	Physiological assessment of coronary lesion severity: fractional flow reserve versus nonhyperaemic indices. 2015 , 26 Suppl 1, e8-14	2
654	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

653	Current developments and future applications of intracoronary hemodynamics. 2015 , 26, 448-58	1
652	The Potential Safety of Deferring Percutaneous Coronary Intervention Based on Fractional Flow Reserve in The Ischemia-Induced Intermediate Lesions Defined by Intravascular Ultrasound. 2015 , 03,	
651	Three dimensional quantitative coronary angiography can detect reliably ischemic coronary lesions based on fractional flow reserve. 2015 , 30, 716-24	12
650	Comprehensive assessment of coronary fractional flow reserve. 2015 , 11, 483-93	1
649	A Case of Successful Percutaneous Coronary Intervention by Fractional Flow Reserve and 13N-Ammonia Positron Emission Tomography. 2015 , 4, 39	
648	Fractional flow reserve-guided percutaneous coronary intervention: where to after FAME ?? 2015 , 11, 613-22	5
647	The Value of Pre- and Post-Stenting Fractional Flow Reserve for Predicting Mid-Term Stent Restenosis Following Percutaneous Coronary Intervention (PCI). 2015 , 8, 240-44	4
646	Patient-specific simulation of coronary artery pressure measurements: an in vivo three-dimensional validation study in humans. 2015 , 2015, 628416	18
645	Noninvasive Measurement of Coronary Fractional Flow Reserve: An Under-exploiting Newland. 2015 , 128, 1695-9	2
644	Clinical Relevance of Coronary Fractional Flow Reserve: Art-of-state. 2015 , 128, 1399-406	7
643	Does ischemia burden in stable coronary artery disease effectively identify revascularization candidates? Ischemia burden in stable coronary artery disease effectively identifies revascularization candidates. 2015 , 8, discussion p 8	11
642	Does ischemia burden in stable coronary artery disease effectively identify revascularization candidates? Ischemia burden in stable coronary artery disease does not effectively identify revascularization candidates. 2015 , 8, discussion p 9	10
641	Diagnostic value of quantitative stenosis predictors with coronary CT angiography compared to invasive fractional flow reserve. 2015 , 84, 1509-1515	54
640	Clinical Cardiac Positron Emission Tomography. 2015 , 263-281	
639	Percutaneous Coronary Intervention and the Various Coronary Artery Disease Syndromes. 2015 , 597-620	
638	Computational and Experimental Biomedical Sciences: Methods and Applications. 2015 ,	1
637	Pharmacological Treatment of Chronic Stable Angina Pectoris. 2015 ,	3
636	Proceedings of the Cardiac PET Summit, 12 May 2014, Baltimore, MD : 3: Quantitation of myocardial blood flow. 2015 , 22, 571-8	9

635	Beyond stenosis detection: computed tomography approaches for determining the functional relevance of coronary artery disease. 2015 , 53, 317-34	17
634	CT myocardial perfusion imaging. 2015 , 204, 487-97	59
633	Noninvasive anatomical and functional assessment of coronary artery disease. 2015 , 34, 223-232	2
632	Dual-energy computed tomography for detection of coronary artery disease. 2015 , 13, 1345-56	28
631	Integrated physiologic assessment of ischemic heart disease in real-world practice using index of microcirculatory resistance and fractional flow reserve: insights from the International Index of Microcirculatory Resistance Registry. 2015 , 8, e002857	59
630	Association of Lower Fractional Flow Reserve Values With Higher Risk of Adverse Cardiac Events for Lesions Deferred Revascularization Among Patients With Acute Coronary Syndrome. 2015 , 4, e002172	32
629	Algorithm comparison for cardiac image fusion of coronary computed tomography angiography and 3D echocardiography. 2015 ,	2
628	Physiological assessment of coronary stenosis: a view from the coronary microcirculation. 2015 , 7, 403-416	3
627	Instantaneous Wave-Free Ratio versus Fractional Flow Reserve guided intervention (iFR-SWEDEHEART): Rationale and design of a multicenter, prospective, registry-based randomized clinical trial. 2015 , 170, 945-50	26
626	Registro Español de Hemodinámica y Cardiología Intervencionista. XXIV Informe Oficial de la Sección de Hemodinámica y Cardiología Intervencionista de la Sociedad Española de Cardiología (1990-2014). 2015 , 68, 1154-1164	27
625	From Physiology of the Coronary Circulation to Myocardial Perfusion Imaging. 2015 , 8, 1	
624	Management of Coronary Disease in the Era of Transcatheter Aortic Valve Replacement: Comprehensive Review of the Literature. 2015 , 4, 13-21	1
623	The diagnostic performance of CT-derived fractional flow reserve for evaluation of myocardial ischaemia confirmed by invasive fractional flow reserve: a meta-analysis. 2015 , 70, 476-86	27
622	Seven-year clinical outcomes of patients with moderate coronary artery stenosis after deferral of revascularization based on gray-zone fractional flow reserve. 2015 , 30, 209-15	15
621	Severity of morphological lesion complexity affects fractional flow reserve in intermediate coronary stenosis. 2015 , 66, 239-45	14
620	Meta-analysis of deferral versus performance of coronary intervention based on coronary pressure-derived fractional flow reserve. 2015 , 115, 385-91	11
619	Diagnostic accuracy of stress myocardial perfusion imaging compared to invasive coronary angiography with fractional flow reserve meta-analysis. 2015 , 8,	211
618	Cost analysis of non-invasive fractional flow reserve derived from coronary computed tomographic angiography in Japan. 2015 , 30, 38-44	33

617	Incremental cost-effectiveness of dobutamine stress cardiac magnetic resonance imaging in patients at intermediate risk for coronary artery disease. 2015 , 104, 401-9	25
616	Almanac 2014: Cardiovascular Imaging.. 2015 , 9, 528-538	
615	Role of Fractional-Flow Reserve in Guiding Percutaneous Revascularization in Stable Coronary Artery Disease. 2015 , 17, 52	5
614	Fractional Flow Reserve in the Transradial Era: Will Hand Vein Adenosine Infusion Suffice?: A Comparative Study of the Extent, Rapidity, and Stability of Hyperemia From Hand and Femoral Venous Routes of Adenosine Administration. 2015 , 8, 527-35	12
613	The changing scene of preoperative coronary diagnostics. 2015 , 149, 1629-30	
612	Comparison of instantaneous wave-free ratio (iFR) and fractional flow reserve (FFR)--first real world experience. 2015 , 199, 1-7	33
611	Fractional flow reserve versus angiography for guiding percutaneous coronary intervention: a meta-analysis. 2015 , 101, 455-62	53
610	The haemodynamic effects of collateral donation to a chronic total occlusion: Implications for patient management. 2015 , 198, 159-66	6
609	Noninvasive anatomical and functional assessment of coronary artery disease. 2015 , 34, 223-32	3
608	"Virtual" (Computed) Fractional Flow Reserve: Current Challenges and Limitations. 2015 , 8, 1009-1017	74
607	Validation of magnetocardiography versus fractional flow reserve for detection of coronary artery disease. 2015 , 59, 267-81	15
606	2014 ACC/AHA/AATS/PCNA/SCAI/STS focused update of the guideline for the diagnosis and management of patients with stable ischemic heart disease: a report of the American College of Cardiology/American Heart Association Task Force on Practice Guidelines, and the American Association for Thoracic Surgery, Preventive Cardiovascular Nurses Association, Society for Cardiovascular Angiography and Interventions, and Society of Thoracic Surgeons. 2015 , 149, e5-23	71
605	Fractional Flow Reserve. 2015 , 107-120	1
604	Automated Quantitative Plaque Burden from Coronary CT Angiography Noninvasively Predicts Hemodynamic Significance by using Fractional Flow Reserve in Intermediate Coronary Lesions. 2015 , 276, 408-15	52
603	Update on percutaneous intervention for left main coronary artery stenosis. 2015 , 13, 933-43	1
602	Interventional Cardiology Imaging. 2015 ,	
601	Meta-analysis of trials on mortality after percutaneous coronary intervention compared with medical therapy in patients with stable coronary heart disease and objective evidence of myocardial ischemia. 2015 , 115, 1194-9	52
600	Rationale and design of the dual-energy computed tomography for ischemia determination compared to "gold standard" non-invasive and invasive techniques (DECIDE-Gold): A multicenter international efficacy diagnostic study of rest-stress dual-energy computed tomography angiography with perfusion. 2015 , 22, 1081-10	19

599	Randomized Comparison of FFR-Guided and Angiography-Guided Provisional Stenting of True Coronary Bifurcation Lesions: The DKCRUSH-VI Trial (Double Kissing Crush Versus Provisional Stenting Technique for Treatment of Coronary Bifurcation Lesions VI). 2015 , 8, 536-46	57
598	One-Dimensional Modelling of the Coronary Circulation. Application to Noninvasive Quantification of Fractional Flow Reserve (FFR). 2015 , 137-155	8
597	Technical prerequisites and imaging protocols for dynamic and dual energy myocardial perfusion imaging. 2015 , 84, 2401-10	20
596	Value of FFR in clinical practice. 2015 , 67, 77-80	3
595	Multicenter evaluation of dynamic three-dimensional magnetic resonance myocardial perfusion imaging for the detection of coronary artery disease defined by fractional flow reserve. 2015 , 8,	43
594	Role of coronary physiology in the contemporary management of coronary artery disease. 2015 , 3, 148-55	2
593	Diagnostic performance of transluminal attenuation gradient and fractional flow reserve by coronary computed tomographic angiography (FFR(CT)) compared to invasive FFR: a sub-group analysis from the DISCOVER-FLOW and DeFACTO studies. 2015 , 31, 1251-9	21
592	Clinical usefulness of nonhyperemic baseline Pd/Pa as a hybrid baseline Pd/Pa-fractional flow reserve strategy. 2015 , 26, 49-55	8
591	Comparison of coronary artery bypass graft surgery and percutaneous coronary intervention in patients with diabetes. 2015 , 17, 377	2
590	CT Assessment of Myocardial Perfusion and Fractional Flow Reserve. 2015 , 57, 623-31	11
589	Coronary fractional flow reserve. 2015 , 204, W261-5	8
588	Antiplatelet Therapy During PCI for Patients with Stable Angina and Atrial Fibrillation. 2015 , 17, 64	1
587	The Concept of Functional Percutaneous Coronary Intervention: Why Physiologic Lesion Assessment Is Integral to Coronary Angiography. 2015 , 4, 411-417	
586	Landmark Fractional Flow Reserve Trials. 2015 , 4, 435-441	1
585	Noninvasive Fractional Flow Reserve Derived from Coronary Computed Tomography Angiography for the Diagnosis of Lesion-specific Ischemia. 2015 , 4, 481-489	
584	Left main disease progression following left branch vessel percutaneous intervention in patients who are referred for coronary artery bypass grafting. 2015 , 30, 35-40	
583	Culprit-Only vs. Complete Revascularization During ST-Segment Elevation Myocardial Infarction. 2015 , 58, 260-6	11
582	Everolimus-Eluting Stents or Bypass Surgery for Coronary Disease. 2015 , 373, 581-2	2

581	Percutaneous Transcatheter Assessment of the Left Main Coronary Artery: Current Status and Future Directions. 2015 , 8, 1529-39	17
580	Comparison of the prognostic value of regadenoson and adenosine myocardial perfusion imaging. 2015 , 22, 600-7	18
579	A novel CT-FFR method for the coronary artery based on 4D-CT image analysis and structural and fluid analysis. 2015 ,	5
578	Deferral vs. performance of percutaneous coronary intervention of functionally non-significant coronary stenosis: 15-year follow-up of the DEFER trial. 2015 , 36, 3182-8	251
577	Rationale and design of the Fractional Flow Reserve versus Angiography for Multivessel Evaluation (FAME) 3 Trial: a comparison of fractional flow reserve-guided percutaneous coronary intervention and coronary artery bypass graft surgery in patients with multivessel coronary artery disease. 2015 , 170, 619-626.e2	42
576	Fractional flow reserve versus angiography for guidance of PCI in patients with multivessel coronary artery disease (FAME): 5-year follow-up of a randomised controlled trial. 2015 , 386, 1853-60	295
575	Technical Considerations and Practical Guidance for Intracoronary Optical Coherence Tomography. 2015 , 4, 239-249	1
574	SPECT Myocardial Perfusion Reserve in Patients with Multivessel Coronary Disease: Correlation with Angiographic Findings and Invasive Fractional Flow Reserve Measurements. 2015 , 56, 1712-7	68
573	A Full 3D CFD Model Coupled with an Outflow Lumped Boundary and Inflow Total Pressure Formulation to Estimate Human Cardiac Perfusion. 2015 , 1695-1698	
572	Percutaneous coronary intervention: FAME is lasting. 2015 , 386, 1806-7	3
571	Physiologic severity of diffuse coronary artery disease: hidden high risk. 2015 , 131, 4-6	16
570	Modification of treatment strategy after FFR measurement: CVIT-DEFER registry. 2015 , 30, 12-21	16
569	Prognostic Value of Gai's Plaque Score and Agatston Coronary Artery Calcium Score for Functionally Significant Coronary Artery Stenosis. 2016 , 129, 2792-2796	2
568	Diagnostic performance of non-invasive fractional flow reserve derived from coronary computed tomography angiography: current perspectives. 2016 , 1	
567	Measuring Procedure and Maximal Hyperemia in the Assessment of Fractional Flow Reserve for Superficial Femoral Artery Disease. 2016 , 23, 56-66	7
566	Clinical outcomes of combined flow-pressure drop measurements using newly developed diagnostic endpoint: Pressure drop coefficient in patients with coronary artery dysfunction. 2016 , 8, 283-92	3
565	Assessing Risk in Patients with Stable Coronary Disease: When Should We Intensify Care and Follow-Up? Results from a Meta-Analysis of Observational Studies of the COURAGE and FAME Era. 2016 , 2016, 3769152	25
564	Physiologic Assessment of Coronary Artery Disease: Focus on Fractional Flow Reserve. 2016 , 17, 307-20	7

563	Noninvasive FFR derived from coronary CT angiography in the management of coronary artery disease: technology and clinical update. 2016 , 12, 269-78	21
562	Fractional Flow Reserve Assessment of Coronary Artery Stenosis. 2016 , 11, 77-82	4
561	Utilization of stress echocardiography in patients with multivessel coronary artery disease. 2016 , 17, 354-60	2
560	Effect of Fractional Flow Reserve (≤ 0.90 vs >0.90) on Long-Term Outcome (>10 Years) in Patients With Nonsignificant Coronary Arterial Narrowings. 2016 , 118, 465-72	
559	Outcomes of anatomical vs. functional testing for coronary artery disease : Lessons from the PROMISE trial. 2016 , 41, 384-90	4
558	Enhanced diagnostic utility achieved by myocardial blood analysis: A meta-analysis of noninvasive cardiac imaging in the detection of functional coronary artery disease. 2016 , 221, 665-73	19
557	Intravascular Ultrasound and Virtual Histology. 2016 , 71-90	
556	The IMPACT Study (Influence of Sensor-Equipped Microcatheters on Coronary Hemodynamics and the Accuracy of Physiological Indices of Functional Stenosis Severity). 2016 , 9,	14
555	Prevalence and Clinical Significance of Discordant Changes in Fractional and Coronary Flow Reserve After Elective Percutaneous Coronary Intervention. 2016 , 5,	17
554	Coronary CT Angiography-Derived Fractional Flow Reserve. 2016 , 4, 1	1
553	Fractional flow reserve to guide and to assess coronary artery bypass grafting. 2017 , 38, 1959-1968	15
552	Rationale and Design of the CREDENCE Trial: computed Tomographic evaluation of atherosclerotic DEterminants of myocardial IsChEmia. 2016 , 16, 190	15
551	Impact of Incomplete Percutaneous Revascularization in Patients With Multivessel Coronary Artery Disease: A Systematic Review and Meta-Analysis. 2016 , 5,	23
550	Perfusion cardiovascular magnetic resonance and fractional flow reserve in patients with angiographic multi-vessel coronary artery disease. 2016 , 18, 44	14
549	The present day potential role of fractional flow reserve-guided coronary artery bypass graft surgery. 2016 , 151, 926-32	6
548	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
547	The Prognostic Value of Residual Coronary Stenoses After Functionally Complete Revascularization. <i>Journal of the American College of Cardiology</i> , 2016 , 67, 1701-11	15.1 58
546	Coronary optical coherence tomography: A practical overview of current clinical applications. 2016 , 35, 105-12	5

545	FFR and iFR guided percutaneous coronary intervention. 2016 , 31, 183-95	13
544	Optical coherence tomography of re-pressurised porcine coronary arteries: A systematic study. 2016 , 4, 53-57	2
543	Utilizing Post-Intervention Fractional Flow Reserve to Optimize Acute Results and the Relationship to Long-Term Outcomes. 2016 , 9, 1022-31	83
542	Diagnostic Performance and Clinical Utility of Myocardial Perfusion MRI for Coronary Artery Disease with Fractional Flow Reserve as the Standard Reference: A Meta-analysis. 2016 , 25, 1031-8	6
541	Value Based Imaging for Coronary Artery Disease: Implications for Nuclear Cardiology and Cardiac CT. 2016 , 349-380	
540	Multivessel Disease, Risk of Graft Failure. 2016 , 155-160	
539	The influence of artery wall curvature on the anatomical assessment of stenosis severity derived from fractional flow reserve: a computational fluid dynamics study. 2016 , 19, 1541-9	11
538	Cardiac CT Imaging. 2016 ,	4
537	Validating Practicality: Impact of Right Atrial Pressure on Fractional Flow Reserve. 2016 , 9, 460-2	3
536	Transatlantic Editorial: A Comparison Between European and North American Guidelines on Myocardial Revascularization. 2016 , 101, 2031-44	3
535	Diagnostic performance of cardiac imaging methods to diagnose ischaemia-causing coronary artery disease when directly compared with fractional flow reserve as a reference standard: a meta-analysis. 2017 , 38, 991-998	134
534	Stress Testing After Complete and Successful Coronary Revascularization. 2016 , 32, 986.e23-9	9
533	The impact of left ventricular ejection fraction on fractional flow reserve: Insights from the FAME (Fractional flow reserve versus Angiography for Multivessel Evaluation) trial. 2016 , 204, 206-10	13
532	Transatlantic Editorial: a comparison between European and North American guidelines on myocardial revascularization. 2016 , 49, 1307-17	5
531	Transatlantic editorial: A comparison between European and North American guidelines on myocardial revascularization. 2016 , 152, 304-16	8
530	Resting Indices of Coronary Lesion Severity: Not Always as Simple as It Seems. 2016 , 9, e003747	3
529	Does the Routine Availability of CT-Derived FFR Influence Management of Patients With Stable Chest Pain Compared to CT Angiography Alone?: The FFR RIPCORD Study. 2016 , 9, 1188-1194	63
528	Anatomic or Functional Evaluation as an Initial Test for Stable Coronary Artery Disease: A Propensity Score Analysis. 2016 , 57, 1364-9	8

527	Potential impact of clinical use of noninvasive FFRCT on radiation dose exposure and downstream clinical event rate. 2016 , 40, 1055-60	7
526	Comparison of fractional flow reserve measurements using intracoronary adenosine versus intracoronary sodium nitroprusside infusions in moderately stenotic coronary artery lesions. 2016 , 17, 441-443	1
525	[Coronary interventions : Current developments for improved long-term results]. 2016 , 57, 832-43	
524	Coronary Physiology Assessment for the Diagnosis and Treatment of Stable Ischemic Heart Disease. 2016 , 18, 62	2
523	Fractional Flow Reserve and Coronary Computed Tomographic Angiography: A Review and Critical Analysis. 2016 , 119, 300-16	23
522	Dynamic CT myocardial perfusion imaging. 2016 , 85, 1893-1899	25
521	Impact of Age on the Functional Significance of Intermediate Epicardial Artery Disease. 2016 , 80, 1583-9	12
520	Ability of Fractional Flow Reserve to Predict Restenosis After Superficial Femoral Artery Stenting. 2016 , 23, 896-902	5
519	Diabetes and Heart Failure: Sugared Words Prove Bitter. <i>Journal of the American College of Cardiology</i> , 2016 , 68, 1417-1419	15.1 1
518	Prognostic Determinants of Coronary Atherosclerosis in Stable Ischemic Heart Disease: Anatomy, Physiology, or Morphology?. 2016 , 119, 317-29	24
517	Is FFR-CT a "game changer" in the diagnostic management of stable coronary artery disease?. 2016 , 41, 398-404	2
516	Impact of Routine Fractional Flow Reserve Evaluation During Coronary Angiography on Management Strategy and Clinical Outcome: One-Year Results of the POST-IT. 2016 , 9,	27
515	Expecting the holistic regulation from Chinese medicine based on the "solar system" hypothesis of ischemic heart disease. 2016 , 22, 805-810	0
514	How Do We Treat Complex Calcified Coronary Artery Disease?. 2016 , 18, 72	5
513	Kardiale Computertomografie: Pro und Contra der CT-Koronarangiografie. 2016 , 5, 424-430	
512	Comparing the adverse clinical outcomes associated with fraction flow reserve-guided versus angiography-guided percutaneous coronary intervention: a systematic review and meta-analysis of randomized controlled trials. 2016 , 16, 249	4
511	Angiographic underestimation of disease severity in the left anterior descending artery: a fractional flow reserve analysis. 2016 , 27, 556-60	2
510	Prognostic role of multiple biomarkers in stable patients undergoing fractional flow reserve-guided coronary angioplasty. 2016 , 17, 687-93	0

509	Coronary optical coherence tomography: A practical overview of current clinical applications. 2016 , 35, 105-112	3
508	Fraktionelle Flussreserve in der Diagnostik der koronaren Herzerkrankung. 2016 , 10, 88-105	1
507	Technical Aspects of CCTA. 2016 , 4, 1	
506	Measuring pressure during coronary artery angiography in ex-vivo hearts. 2016 , 4, 58-62	2
505	Implementation and consistency of Heart Team decision-making in complex coronary revascularisation. 2016 , 206, 37-41	25
504	Integration of Quantitative Positron Emission Tomography Absolute Myocardial Blood Flow Measurements in the Clinical Management of Coronary Artery Disease. 2016 , 133, 2180-96	31
503	Distinction of non-ischemia inducing versus ischemia inducing coronary stenosis by fluorescent cardiac imaging. 2016 , 32, 363-371	6
502	Interventional Options for Coronary Artery Calcification. 2016 , 18, 12	21
501	CT-based myocardial ischemia evaluation: quantitative angiography, transluminal attenuation gradient, myocardial perfusion, and CT-derived fractional flow reserve. 2016 , 32 Suppl 1, 1-19	17
500	Computational fluid dynamics modelling in cardiovascular medicine. 2016 , 102, 18-28	206
499	Clinical Application of Fractional Flow Reserve-Guided Percutaneous Coronary Intervention for Stable Coronary Artery Disease. 2016 , 18, 32	0
498	Scaling laws of coronary circulation in health and disease. 2016 , 49, 2531-9	21
497	Improving quality and outcomes of coronary artery bypass grafting procedures. 2016 , 14, 617-31	2
496	New horizons in cardiac CT. 2016 , 71, 758-67	26
495	Comparison of first- and second-generation drug-eluting stent efficacies for treating left main and/or three-vessel disease: a propensity matched study. 2016 , 31, 1930-1942	7
494	Coronary Flow Reserve and Microcirculatory Resistance in Patients With Intermediate Coronary Stenosis. <i>Journal of the American College of Cardiology</i> , 2016 , 67, 1158-1169	15.1 175
493	Coronary Artery Bypass Surgery Is Not Underutilized!. 2016 , 133, 1027-35	3
492	Quantitative Coronary Physiology for Clinical Management: the Imaging Standard. 2016 , 18, 9	4

491	Risk stratification of patients undergoing medical therapy after coronary angiography. 2016 , 37, 3103-3110	6
490	Medical Therapy With Versus Without Revascularization in Stable Patients With Moderate and Severe Ischemia: The Case for Community Equipoise. <i>Journal of the American College of Cardiology</i> , 2016 , 67, 81-99	15.1 70
489	Characterization of real-world patients with low fractional flow reserve immediately after drug-eluting stents implantation. 2016 , 31, 29-37	12
488	A multifunctional CT technology: Reality or illusion for patient risk assessment?. 2017 , 24, 1263-1266	1
487	Impact of additional intracoronary nicorandil administration during fractional flow reserve measurement with intravenous adenosine 5'-triphosphate infusion. 2017 , 69, 119-124	8
486	Second vs. First generation drug eluting stents in multiple vessel disease and left main stenosis: Two-year follow-up of the observational, prospective, controlled, and multicenter ERACI IV registry. 2017 , 89, 37-46	14
485	Analysis of suboptimal stent deployment using intravascular ultrasound and coronary pressure pullback measurement. 2017 , 69, 613-618	8
484	Clinical Outcomes of patients with coronary artery disease who underwent FFR evaluation of intermediate coronary lesionS- COFFRS study. 2017 , 69, 499-504	3
483	Outcome of coronary lesions with deferred revascularization due to negative fractional flow reserve in subjects with acute coronary syndrome. 2017 , 230, 335-338	8
482	Stable CAD and Approach to Chronic Chest Pain. 2017 , 65-91	
481	Assessing MICRO-vascular resistances via IMR to predict outcome in STEMI patients with multivessel disease undergoing primary PCI (AMICRO): Rationale and design of a prospective multicenter clinical trial. 2017 , 187, 37-44	0
480	Effect of Percutaneous Coronary Intervention on Survival in Patients with Stable Ischemic Heart Disease. 2017 , 19, 17	3
479	Stress cardiovascular magnetic resonance imaging: current and future perspectives. 2017 , 15, 181-189	10
478	Can Functional Testing for Ischemia and Viability Guide Revascularization?. 2017 , 10, 354-364	13
477	Validation of the "smart" minimum FFR Algorithm in an unselected all comer population of patients with intermediate coronary stenoses. 2017 , 33, 991-997	1
476	Cardiac Imaging in the Diagnosis of Coronary Artery Disease. 2017 , 42, 316-366	23
475	Discordance Between Fractional Flow Reserve and Coronary Flow Reserve: Insights From Intracoronary Imaging and Physiological Assessment. 2017 , 10, 999-1007	20
474	Targeting the dominant mechanism of coronary microvascular dysfunction with intracoronary physiology tests. 2017 , 33, 1041-1059	24

473	Functional Cardiac CT Angiography. 2017 , 777-803	
472	Should Fractional Flow Reserve Be Measured After Stent Deployment? Routinely? Ever?. 2017 , 10, 996-998	2
471	Impact of Routine Fractional Flow Reserve on Management Decision and 1-Year Clinical Outcome of Patients With Acute Coronary Syndromes: PRIME-FFR (Insights From the POST-IT [Portuguese Study on the Evaluation of FFR-Guided Treatment of Coronary Disease] and R3F [French FFR Registry] Integrated Multicenter Registries - Implementation of FFR [Fractional Flow Reserve] in	31
470	Estimation of myocardial flow reserve utilizing an ultrafast cardiac SPECT: Comparison with coronary angiography, fractional flow reserve, and the SYNTAX score. 2017 , 244, 347-353	27
469	Fractional flow reserve: a clinical perspective. 2017 , 33, 961-974	12
468	Significance of Microvascular Function in Visual-Functional Mismatch Between Invasive Coronary Angiography and Fractional Flow Reserve. 2017 , 6,	16
467	Effect of Coronary Revascularization on the Prognostic Value of Stress Myocardial Contrast Wall Motion and Perfusion Imaging. 2017 , 6,	13
466	Change in angiogram-derived management strategy of patients with chest pain when some FFR data are available: How consistent is the effect?. 2017 , 18, 320-327	6
465	Coronary artery disease in patients undergoing transcatheter aortic valve implantation. A single centre registry on prevalence, management and immediate clinical impact. 2017 , 59, e23-e28	2
464	Navvus FFR to reduce CONTRAst, Cost and radiaTion (CONTRACT); insights from a single-centre clinical and economical evaluation with the RXi Rapid-Exchange FFR device. 2017 , 233, 80-84	4
463	Numerical and experimental investigations of the flow-pressure relation in multiple sequential stenoses coronary artery. 2017 , 33, 1083-1088	9
462	Competitive Coronary Flow between the Native Left Anterior Descending Artery and Left Internal Mammary Artery Graft: Is It a Surrogate Angiographic Marker of Over-or-Unnecessary Revascularization Decision in Daily Practice?. 2017 , 26, 27-31	4
461	Factors associated with deferred lesion failure following fractional flow reserve assessment in patients with diabetes mellitus. 2017 , 90, 1077-1083	5
460	Instantaneous Wave-free Ratio versus Fractional Flow Reserve to Guide PCI. 2017 , 376, 1813-1823	459
459	Rationale, design and goals of the HeartFlow assessing diagnostic value of non-invasive FFR in Coronary Care (ADVANCE) registry. 2017 , 11, 62-67	29
458	Noninvasive measurement of pressure gradient across a coronary stenosis using phase contrast (PC)-MRI: A feasibility study. 2017 , 77, 529-537	9
457	Clinical and angiographic predictors of persistently ischemic fractional flow reserve after percutaneous revascularization. 2017 , 184, 10-16	14
456	Does the evidence really suggest that we should completely revascularise bystander disease in patients with ST elevation myocardial infarction undergoing primary angioplasty? Why we still need more definitive trial data to change routine practice. 2017 , 15, 75-81	

455	Fast Virtual Fractional Flow Reserve Based Upon Steady-State Computational Fluid Dynamics Analysis: Results From the VIRTU-Fast Study. 2017 , 2, 434-446	48
454	Efficacy and safety of instantaneous wave-free ratio in patients undergoing coronary revascularisation: protocol for a systematic review. 2017 , 7, e017868	
453	Diagnostic Accuracy of Angiography-Based Quantitative Flow Ratio Measurements for Online Assessment of Coronary Stenosis. <i>Journal of the American College of Cardiology</i> , 2017 , 70, 3077-3087	15.1 179
452	Assessment of coronary artery disease with fractional flow reserve in patients with aortic stenosis undergoing transcatheter aortic valve implantation. 2017 , 7, 139-142	
451	FFR as a Clinical Tool and Its Applications in Specific Scenarios. 2017 , 209-221	
450	Effect of Elective Percutaneous Coronary Intervention on Hyperemic Absolute Coronary Blood Flow Volume and Microvascular Resistance. 2017 , 10,	8
449	Comparison of Accuracy of One-Use Methods for Calculating Fractional Flow Reserve by Intravascular Optical Coherence Tomography to That Determined by the Pressure-Wire Method. 2017 , 120, 1920-1925	7
448	Coronary CT Angiography-derived Fractional Flow Reserve. 2017 , 285, 17-33	95
447	THE MECHANICAL FACTORS INFLUENCING THE ASSESSMENT OF INTERMEDIATE STENOSIS SEVERITY EXPLAINED THROUGH FRACTIONAL FLOW RESERVE. 2017 , 17, 1730001	
446	Clinical Outcomes of Deferred Lesions With Angiographically Insignificant Stenosis But Low Fractional Flow Reserve. 2017 , 6,	8
445	Risk stratification of coronary artery disease using radionuclides. Current status of clinical practice. 2017 , 36, 377-387	
444	Coronary CT-Derived Fractional Flow Reserve. 2017 , 5, 1	
443	Prognostic Value of Fractional Flow Reserve Measured Immediately After Drug-Eluting Stent Implantation. 2017 , 10,	62
442	Computational Analysis of Multislice CT Angiography. 2017 , 295-305	
441	Risk stratification of coronary artery disease using radionuclides. Current status of clinical practice. 2017 , 36, 377-387	
440	Nonculprit Stenosis Evaluation Using Instantaneous Wave-Free Ratio in Patients With ST-Segment Elevation Myocardial Infarction. 2017 , 10, 2528-2535	35
439	CT Imaging of the Vulnerable Plaque. 2017 , 19, 92	4
438	Relationship Between Coronary Contrast-Flow Quantitative Flow Ratio and Myocardial Ischemia Assessed by SPECT MPI. 2017 , 44, 1888-1896	13

437	Assessment of increasing intravenous adenosine dose in fractional flow reserve. 2017 , 17, 60	4
436	Sex Differences in Fractional Flow Reserve-Guided Revascularization: A Nationwide Analysis. 2017 , 26, 109-115	1
435	Cardiology Procedures. 2017 ,	
434	Clinical value of post-percutaneous coronary intervention fractional flow reserve value: A systematic review and meta-analysis. 2017 , 183, 1-9	53
433	Haemodynamic assessment of human coronary arteries is affected by degree of freedom of artery movement. 2017 , 20, 260-272	18
432	Use of fractional flow reserve in patients with coronary artery disease: The right choice for the right outcome. 2017 , 27, 106-120	3
431	Computed Tomography Fractional Flow Reserve Can Identify Culprit Lesions in Aortoiliac Occlusive Disease Using Minimally Invasive Techniques. 2017 , 38, 151-157	4
430	Real-world use of fractional flow reserve in Germany: results of the prospective ALKK coronary angiography and PCI registry. 2017 , 106, 140-150	28
429	Catheter-based functional metrics of the coronary circulation. 2017 , 24, 1178-1189	3
428	Intervención coronaria percutánea en el tronco principal izquierdo no protegido: papel del stent medicado. 2017 , 24, 79-83	
427	Comentário a: «Resultados clínicos e de custo-eficácia da intervenção coronária percutânea guiada por reserva de fluxo coronário em doentes com doença coronária estável: seguimento a três anos do estudo FAME-2 (Fractional Flow Reserve Versus Angiography for Multivessel Evaluation)». 2017 , 26, 967-969	
426	Comment on: «Clinical Outcomes and Cost-Effectiveness of Fractional Flow Reserve-Guided Percutaneous Coronary Intervention in Patients With Stable Coronary Artery Disease: Three-Year Follow-Up of the FAME 2 Trial (Fractional Flow Reserve Versus Angiography for Multivessel Evaluation)». 2017 , 26, 967-969	1
425	Prevalence of Thin-Cap Fibroatheroma in Relation to the Severity of Anatomical and Physiological Stenosis. 2017 , 81, 1816-1823	8
424	Development and testing of the application based on coronary artery diseases (CAD). 2017 ,	0
423	Is Complete Revascularisation Mandated for all Patients with Multivessel Coronary Artery Disease?. 2018 , 13, 45-50	7
422	[The Effect of Reconstruction Method on the Ability to Analyze of FFR Using CT]. 2017 , 73, 1140-1146	
421	Advanced Imaging of Intracranial Atherosclerosis: Lessons from Interventional Cardiology. 2017 , 8, 387	10
420	FFR and iFR. 2017 , 3, 53-60	5

419	Intravascular ultrasound-guided percutaneous coronary intervention in left main coronary bifurcation lesions: a review. 2017 , Volume 8, 49-59	0
418	The relationship between coronary artery distensibility and fractional flow reserve. 2017 , 12, e0181824	13
417	Modelling Blood Pressure in Stenosed Coronary Arteries. 2017 , 61, 242	1
416	Identification of the State of Maximal Hyperemia in the Assessment of Coronary Fractional Flow Reserve Using Non-Invasive Electrical Velocimetry. 2017 , 58, 365-370	1
415	Performing and Interpreting Fractional Flow Reserve Measurements in Clinical Practice: An Expert Consensus Document. 2017 , 12, 97-109	20
414	Plaque imaging with CT-a comprehensive review on coronary CT angiography based risk assessment. 2017 , 7, 489-506	51
413	Fractional flow reserve computed tomography in the evaluation of coronary artery disease. 2017 , 7, 463-474	6
412	Fractional flow reserve guided percutaneous coronary intervention results in reduced ischemic myocardium and improved outcomes. 2018 , 92, 692-700	2
411	Imaging to Assess Ischemic Heart Disease in Women. 2018 , 20, 16	2
410	Role of Invasive Functional Assessment in Surgical Revascularization of Coronary Artery Disease. 2018 , 137, 1731-1739	7
409	Técnicas de imagen híbridas en cardiopatía isquémica. 2018 , 71, 382-390	2
408	Test Selection for Women with Suspected Stable Ischemic Heart Disease. 2018 , 27, 867-874	2
407	Percutaneous Coronary Intervention. 2018 , 329-335	1
406	Influence of visual-functional mismatch on coronary flow profiles after percutaneous coronary intervention: a propensity score-matched analysis. 2018 , 33, 1129-1138	4
405	Prognostic Value of Transthoracic Doppler Echocardiography Coronary Flow Velocity Reserve in Patients with Nonculprit Stenosis of Intermediate Severity Early after Primary Percutaneous Coronary Intervention. 2018 , 31, 880-887	10
404	Design and Rationale of the RIPCORD 2 Trial (Does Routine Pressure Wire Assessment Influence Management Strategy at Coronary Angiography for Diagnosis of Chest Pain?): A Randomized Controlled Trial to Compare Routine Pressure Wire Assessment With Conventional Angiography in the Management of Patients with Coronary Artery Disease. 2018 , 11, 2011-2018	5
403	Impact of Routine Invasive Physiology at Time of Angiography in Patients With Multivessel Coronary Artery Disease on Reclassification of Revascularization Strategy: Results From the DEFINE REAL Study. 2018 , 11, 354-365	16
402	Clinical Relevance of Functionally Insignificant Moderate Coronary Artery Stenosis Assessed by 3-Vessel Fractional Flow Reserve Measurement. 2018 , 7,	7

401	Comparison of invasively measured FFR with FFR derived from coronary CT angiography for detection of lesion-specific ischemia: Results from a PC-based prototype algorithm. 2018 , 12, 101-107	21
400	Lesion-Specific and Vessel-Related Determinants of Fractional Flow Reserve Beyond Coronary Artery Stenosis. 2018 , 11, 521-530	55
399	Integrated prediction of lesion-specific ischaemia from quantitative coronary CT angiography using machine learning: a multicentre study. 2018 , 28, 2655-2664	85
398	Impact of fractional flow reserve on decision-making in daily clinical practice: A single center experience in Egypt. 2018 , 70, 161-165	1
397	Hybrid Imaging in Ischemic Heart Disease. 2018 , 71, 382-390	1
396	Comparison of Fractional Flow Reserve And Intravascular ultrasound-guided Intervention Strategy for Clinical Outcomes in Patients with Intermediate Stenosis (FLAVOUR): Rationale and design of a randomized clinical trial. 2018 , 199, 7-12	7
395	Evaluation of the risk factors for ventricular arrhythmias secondary to QT prolongation induced by papaverine injection during coronary flow reserve studies using a 4Fr angio-catheter. 2018 , 33, 1358-1364	8
394	T is a sensitive indicator of myocardial ischaemia under adenosine stress as determined by static PET imaging: a study in a porcine model. 2018 , 73, 657-664	
393	Pathophysiological coronary and microcirculatory flow alterations in aortic stenosis. 2018 , 15, 420-431	26
392	Influence of Local Myocardial Damage on Index of Microcirculatory Resistance and Fractional Flow Reserve in Target and Nontarget Vascular Territories in a Porcine Microvascular Injury Model. 2018 , 11, 717-724	27
391	Wire-Free and Adenosine-Free Fractional Flow Reserve Derived From the Angiogram: A Promising Future Awaiting Outcomes Data. 2018 , 11, e007594	1
390	Screening high-risk patients and selecting treatment options in stable coronary artery disease using myocardial perfusion imaging. 2018 , 25, 967-969	1
389	Estimating the accuracy of a reduced-order model for the calculation of fractional flow reserve (FFR). 2018 , 34, e2908	38
388	Comparison of regadenoson and nitroprusside to adenosine for measurement of fractional flow reserve: A systematic review and meta-analysis. 2018 , 19, 168-174	5
387	Concept of Invasive Coronary Physiology: Focus on FFR. 2018 , 203-212	
386	Other Physiologic Indices for Epicardial Stenosis. 2018 , 241-247	
385	Comparison Between Anatomic and Physiologic Indices. 2018 , 249-257	
384	Evaluation of lesion flow coefficient for the detection of coronary artery disease in patient groups from two academic medical centers. 2018 , 19, 348-354	2

383	Fractional flow reserve versus angiography guided percutaneous coronary intervention: An updated systematic review. 2018 , 92, 18-27	7
382	Feasibility of coronary fractional flow reserve with dual anti-platelet therapy in low risk coronary lesions without systemic anticoagulation-results of the SMART-FFR study. 2018 , 19, 343-347	2
381	Clinical implications of three-vessel fractional flow reserve measurement in patients with coronary artery disease. 2018 , 39, 945-951	44
380	Coronary and Peripheral Artery Hemodynamics. 2018 , 270-301	
379	Intravascular Lesion Assessment. 2018 , 107-158	
378	Deep learning analysis of the myocardium in coronary CT angiography for identification of patients with functionally significant coronary artery stenosis. 2018 , 44, 72-85	103
377	Diagnostic performance of stress perfusion cardiac magnetic resonance for the detection of coronary artery disease: A systematic review and meta-analysis. 2018 , 252, 229-233	18
376	Comparative diagnostic accuracy of dual-energy CT myocardial perfusion imaging by monochromatic energy versus material decomposition methods. 2018 , 50, 1-4	2
375	Relationship between optical coherence tomography-derived morphological criteria and functional relevance as determined by fractional flow reserve. 2018 , 71, 359-366	5
374	Qualitative angiographic and quantitative myocardial perfusion assessment using fluorescent cardiac imaging during graded coronary artery bypass stenosis. 2018 , 34, 159-167	5
373	Borderline multivessel coronary artery disease assessed by fractional flow reserve-affecting practice?. 2018 , 10, S3078-S3080	2
372	Invasive Testing. 2018 , 194-203	0
371	Geometric Stent Design Mapping of Commercial Coronary Stent in Indonesia. 2018 ,	
370	Clinical Utility of Fractional Flow Reserve on Computed Tomography in Left Main Trunk Disease. 2018 , 82, 930-931	
369	Coronary Microvascular Disease Pathogenic Mechanisms and Therapeutic Options: JACC State-of-the-Art Review. <i>Journal of the American College of Cardiology</i> , 2018 , 72, 2625-2641	15.1 187
368	Quantification of Contrast Kinetics in Clinical Imaging. 2018 ,	1
367	Validation of Resting Diastolic Pressure Ratio Calculated by a Novel Algorithm and Its Correlation With Distal Coronary Artery Pressure to Aortic Pressure, Instantaneous Wave-Free Ratio, and Fractional Flow Reserve. 2018 , 11, e006911	19
366	Cost utility of fractional flow reserve-guided percutaneous coronary intervention in multivessel coronary artery disease in Brazil. 2019 , 31, 676-681	1

365	ORBITA - much ado about nothing?. 2018 , 48, 40-43	
364	Uncertainty Quantification and Sensitivity Analysis for Computational FFR Estimation in Stable Coronary Artery Disease. 2018 , 9, 597-622	25
363	FFR derived from computed tomography angiography: the experience in the UK. 2018 , 16, 919-929	3
362	Complete Versus Culprit-Only Lesion Intervention in Patients With Acute Coronary Syndromes. <i>Journal of the American College of Cardiology</i> , 2018 , 72, 1989-1999	15.1 44
361	Why does FFR-guided PCI improve clinical outcomes? The missing link of post-PCI ischemia reduction. 2018 , 92, 701-702	0
360	Synopsis of Clinical Coronary Physiology. 2018 , 517-542	
359	Computed Tomography Fractional Flow Reserve to Guide Coronary Angiography and Intervention. 2018 , 7, 345-354	9
358	Survival outcomes post percutaneous coronary intervention: Why the hype about stent type? Lessons from a healthcare system in India. 2018 , 13, e0196830	4
357	Cardiac CT: Technological Advances in Hardware, Software, and Machine Learning Applications. 2018 , 11, 1	9
356	Fractional flow reserve (FFR) as a guide to treat coronary artery disease. 2018 , 16, 465-477	8
355	Safety of the Deferral of Coronary Revascularization on the Basis of Instantaneous Wave-Free Ratio and Fractional Flow Reserve Measurements in Stable Coronary Artery Disease and Acute Coronary Syndromes. 2018 , 11, 1437-1449	56
354	Sex Differences in Adenosine-Free Coronary Pressure Indexes: A CONTRAST Substudy. 2018 , 11, 1454-1463	5
353	Ischemia-based Coronary Revascularization: Beyond Anatomy and Fractional Flow Reserve. 2018 , 48, 16-23	0
352	Impact of Elective Percutaneous Coronary Intervention on Global Absolute Coronary Flow and Flow Reserve Evaluated by Phase-Contrast Cine-Magnetic Resonance Imaging in Relation to Regional Invasive Physiological Indices. 2018 , 11, e006676	7
351	Strategies in Stable Chronic Coronary Disease. 2018 , 901-919	
350	Prediction of blood pressure and blood flow in stenosed renal arteries using CFD. 2018 , 346, 012066	1
349	Safety of FFR-guided revascularisation deferral in Anatomically prognostic disease (FACE: CARDIOGROUP V STUDY): A prospective multicentre study. 2018 , 270, 107-112	13
348	Modeling Fractional Flow Reserve: Developing an Estimate of a Better Mousetrap. 2018 , 11, e007939	

347	2018 ESC/EACTS Guidelines on myocardial revascularization. 2019 , 40, 87-165	2408
346	Fractional flow reserve in acute coronary syndromes and in stable ischemic heart disease: clinical implications. 2019 , 277, 42-46	6
345	2018 ESC/EACTS Guidelines on myocardial revascularization. 2019 , 55, 4-90	251
344	Impact of baseline coronary flow and its distribution on fractional flow reserve prediction. 2021 , 37, e3246	9
343	Automated Quantitative Stress Perfusion in a Clinical Routine. 2019 , 27, 507-520	2
342	Prognosis of CT-derived Fractional Flow Reserve in the Prediction of Clinical Outcomes. 2019 , 1, e190021	3
341	Non-invasive coronary CT angiography-derived fractional flow reserve: A benchmark study comparing the diagnostic performance of four different computational methodologies. 2019 , 35, e3235	20
340	Functional assessment of tandem coronary artery stenosis by intracoronary optical coherence tomography-derived virtual fractional flow reserve: a case series. 2019 , 3,	1
339	Quantitative low-dose rest and stress CT myocardial perfusion imaging with a whole-heart coverage scanner improves functional assessment of coronary artery disease. 2019 , 24, 100381	3
338	Computational instantaneous wave-free ratio (IFR) for patient-specific coronary artery stenoses using 1D network models. 2019 , 35, e3255	10
337	Fractional Flow Reserve (FFR) guided Percutaneous Coronary Intervention (PCI) to Avoid Inappropriate Stenting in Patient with Angiographically Significant Stenotic Coronary Artery Lesion—Our Experiences at Apollo Hospitals Dhaka. 2019 , 34, 37-43	
336	Diagnostic performance of a fast non-invasive fractional flow reserve derived from coronary CT angiography: an initial validation study. 2019 , 74, 973.e1-973.e6	3
335	Efficacy and Safety of Ticagrelor Monotherapy in Patients Undergoing Multivessel PCI. <i>Journal of the American College of Cardiology</i> , 2019 , 74, 2015-2027	15.1 16
334	Timing optimization of low-dose first-pass analysis dynamic CT myocardial perfusion measurement: validation in a swine model. 2019 , 3, 16	6
333	Impact of Hydrostatic Pressure Variations Caused by Height Differences in Supine and Prone Positions on Fractional Flow Reserve Values in the Coronary Circulation. 2019 , 2019, 4532862	4
332	Clinical Implication of Quantitative Flow Ratio After Percutaneous Coronary Intervention for 3-Vessel Disease. 2019 , 12, 2064-2075	23
331	Angiogram based fractional flow reserve in patients with dual/triple vessel coronary artery disease. 2019 , 283, 17-22	11
330	Comparison of hyperemic efficacy between femoral and antecubital fossa vein adenosine infusion for fractional flow reserve assessment. 2019 , 15, 52-58	2

329	Design of CTP-PRO study (impact of stress Cardiac computed Tomography myocardial Perfusion on downstream resources and PROgnosis in patients with suspected or known coronary artery disease: A multicenter international study). 2019 , 292, 253-257	5
328	Coronary Angiography With Pressure Wire and Fractional Flow Reserve. 2019 , 116, 205-211	7
327	CT Myocardial Perfusion Imaging: Arterial First-Pass Imaging. 2019 , 777-790	
326	Myocardial Perfusion Imaging: Dual-Energy Approaches. 2019 , 791-810	
325	Percutaneous or surgical revascularization for left main stem disease: NOBLE ideas, but do they EXCEL?. 2019 , 17, 361-368	2
324	Comparison of intracoronary versus intravenous adenosine-induced maximal hyperemia for fractional flow reserve measurement: A systematic review and meta-analysis. 2019 , 94, 714-721	1
323	Temporal Trends in Fractional Flow Reserve Use in Patients Undergoing Coronary Angiography: A Population-Based Study. 2019 , 1, 10-18	2
322	2018 ESC/EACTS Guidelines on myocardial revascularization. 2019 , 72, 73.e1-73.e76	1
321	Systematic assessment of procedural parameters, influence on downstream testing and 12-month outcomes of a CT-myocardial perfusion service. 2019 , 13, 11-20	1
320	Meta-Analysis of Diagnostic Performance of Instantaneous Wave-Free Ratio versus Quantitative Flow Ratio for Detecting the Functional Significance of Coronary Stenosis. 2019 , 2019, 5828931	4
319	Evaluation of fractional flow reserve in patients with stable angina: can CT compete with angiography?. 2019 , 29, 3669-3677	11
318	Fractional flow reserve-guided complete revascularization versus culprit-only revascularization in acute ST-segment elevation myocardial infarction and multi-vessel disease patients: a meta-analysis and systematic review. 2019 , 19, 49	1
317	Comparison of Diagnostic Performance of Quantitative Flow Ratio in Patients With Versus Without Diabetes Mellitus. 2019 , 123, 1722-1728	6
316	Comparison of clinical outcomes following percutaneous coronary intervention versus optimal medical therapy based on gray-zone fractional flow reserve in stable angina patients with intermediate coronary artery stenosis (COMFORTABLE prospective study): Study protocol for a multicenter randomized controlled trial. 2019 , 20, 84	2
315	Feasibility and safety of jailed-pressure wire technique using durable optical fiber pressure wire for intervention of coronary bifurcation lesions. 2019 , 94, E61-E66	2
314	Abnormal Fractional Flow Reserve in Nonobstructive Coronary Artery Disease. 2019 , 12, e006961	10
313	Practical Clinical Application of Cardiac Computed Tomography-Derived Fractional Flow Reserve. 2019 , 4, 31-42	
312	Hemodynamic Interference of Serial Stenoses and Its Impact on FFR and iFR Measurements. 2019 , 9, 279	6

311	The CatLet score: a new coronary angiographic scoring tool accommodating the variable coronary anatomy for the first time. 2019 , 11, 5199-5209	3
310	Angina due to microvascular dysfunction with severe heart failure. 2019 , 21, G14-G15	
309	Low-Radiation-Dose Stress Myocardial Perfusion Measurement Using First-Pass Analysis Dynamic Computed Tomography: A Preliminary Investigation in a Swine Model. 2019 , 54, 774-780	1
308	Referral of patients for fractional flow reserve using quantitative flow ratio. 2019 , 20, 1231-1238	10
307	Fractional flow reserve-guided percutaneous coronary intervention vs. medical therapy for patients with stable coronary lesions: meta-analysis of individual patient data. 2019 , 40, 180-186	90
306	Optimal Revascularization Threshold of Fractional Flow Reserve and its Effect on Outcomes: Perspectives From a High-Volume Center in China. 2019 , 70, 423-430	4
305	Impact of increasing dose of intracoronary adenosine on peak hyperemia duration during fractional flow reserve assessment. 2019 , 284, 16-21	5
304	Corrected coronary opacification decrease from coronary computed tomography angiography: Validation with quantitative ¹³ N-ammonia positron emission tomography. 2019 , 26, 561-568	10
303	Coronary circulation: Pressure/flow parameters for assessment of ischemic heart disease. 2019 , 26, 459-470	4
302	Does fractional flow reserve overestimate severity of LAD lesions?. 2020 , 27, 1306-1313	2
301	Regadenoson SPECT MPI post-troponin elevation in two different patient populations: A reliable risk-stratification tool. 2020 , 27, 2332-2336	1
300	Design and rationale of ischaemia-driven complete revascularisation versus usual care in patients with non-ST-elevation myocardial infarction and multivessel coronary disease: the South Limburg Myocardial Infarction (SLIM) trial. 2020 , 28, 75-80	2
299	Make Life Visible. 2020 ,	
298	Cardiac Magnetic Resonance for Evaluating Nonculprit Lesions After Myocardial Infarction: Comparison With Fractional Flow Reserve. 2020 , 13, 715-728	5
297	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
296	A head-to-head comparison of three coronary fractional flow reserve measurement technologies: The fractional flow reserve-device study. 2020 , 95, 1094-1101	3
295	Distribution of pressure gradients along the left anterior descending artery in patients with angiographically normal arteries. 2020 , 96, E67-E74	2
294	Predicting the Need for Revascularization in Stable Coronary Artery Disease: Protons or Photons?. 2020 , 13, 1005-1007	1

293	Cardiovascular Imaging Techniques to Assess Microvascular Dysfunction. 2020 , 13, 1577-1590	19
292	Two-Year Outcomes After Deferral of Revascularization Based on Fractional Flow Reserve: The J-CONFIRM Registry. 2020 , 13, e008355	12
291	Deep Learning Analysis of Coronary Arteries in Cardiac CT Angiography for Detection of Patients Requiring Invasive Coronary Angiography. 2020 , 39, 1545-1557	18
290	Risk stratification of coronary plaques using physiologic characteristics by CCTA: Focus on shear stress. 2020 , 14, 386-393	5
289	¹³ N-ammonia PET/CT stress myocardial blood flow compared to fractional flow reserve in coronary artery disease. 2020 , 41, 133-138	2
288	Prognostic impact of diabetes mellitus and index of microcirculatory resistance in patients undergoing fractional flow reserve-guided revascularization. 2020 , 307, 171-175	3
287	Non-hyperaemic pressure ratios to guide percutaneous coronary intervention. 2020 , 7,	3
286	Complete Revascularization in Acute and Chronic Coronary Syndrome. 2020 , 38, 491-505	2
285	Physiology over Angiography to Determine Lesion Severity: the FAME Trials. 2020 , 9, 409-418	
284	Pre-operative Diagnosis of Silent Coronary Ischaemia May Reduce Post-operative Death and Myocardial Infarction and Improve Survival of Patients Undergoing Lower Extremity Surgical Revascularisation. 2020 , 60, 411-420	1
283	[Troponin elevation in acute ischemic stroke-unspecific or acute myocardial infarction? : Diagnostics and clinical implications]. 2021 , 46, 342-351	1
282	Coronary Angiography-Derived Diastolic Pressure Ratio. 2020 , 8, 596401	2
281	The Incremental Role of Coronary Computed Tomography in Chronic Coronary Syndromes. 2020 , 9,	5
280	Cardiac CT. 2020 ,	
279	Cardiac Imaging in the Post-ISCHEMIA Trial Era: A Multisociety Viewpoint. 2020 , 13, 1815-1833	10
278	FFR-guided versus coronary angiogram-guided CABG: A review and meta-analysis of prospective randomized controlled trials. 2020 , 35, 2785-2793	6
277	Author's reply: careful statistical consideration to the inter-study reproducibility of iFR angio-coregistration. 2020 , 76, 531-532	
276	Validation of novel 3-dimensional quantitative coronary angiography based software to calculate fractional flow reserve post stenting. 2021 , 98, 671-677	4

275	A novel fiber-optic based 0.014? pressure wire: Designs of the OptoWire development phases, and the O first-in-man results. 2020 ,		3
274	Gadobutrol-Enhanced Cardiac Magnetic Resonance Imaging for Detection of Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , 2020 , 76, 1536-1547	15.1	13
273	The effect of on-site CT-derived fractional flow reserve on the management of decision making for patients with stable chest pain (TARGET trial): objective, rationale, and design. 2020 , 21, 728		0
272	International Trends in Coronary Intervention: A Bridge Over Rising Coronary Waters. <i>Journal of the American College of Cardiology</i> , 2020 , 76, 1341-1344	15.1	
271	Review: FFRCT Changing the Face of Cardiac CT. 2020 , 13, 1		
270	Peri-Device Leaks after Percutaneous Left Atrial Appendage Closure: Clinical Significance and Unmet Diagnostic Needs. 2020 , 4, 475-481		2
269	Diagnostic performance of virtual fractional flow reserve derived from routine coronary angiography using segmentation free reduced order (1-dimensional) flow modelling. 2020 , 9, 2048004020967578		0
268	Pre-Emptive OCT-Guided Angioplasty of Vulnerable Intermediate Coronary Lesions: Results from the Prematurely Halted PECTUS-Trial. 2020 , 2020, 8821525		1
267	Global Fractional Flow Reserve Value Predicts 5-Year Outcomes in Patients With Coronary Atherosclerosis But Without Ischemia. 2020 , 9, e017729		5
266	Dual-energy CT and coronary imaging. 2020 , 10, 1090-1107		4
265	EFFECT OF HEMODYNAMIC PARAMETERS ON FRACTIONAL FLOW RESERVE. 2020 , 20, 2050017		2
264	Fractional Flow Reserve and "Hard" Endpoints. <i>Journal of the American College of Cardiology</i> , 2020 , 75, 2800-2803	15.1	1
263	A tale of two technologies: Can nuclear cardiology survive the emergence of cardiac CT the seventeenth annual Mario S. Verani lectureship. 2020 , 27, 865-890		
262	Clinical feasibility of resting full-cycle ratio as a unique non-hyperemic index of invasive functional lesion assessment. 2020 , 35, 1518-1526		1
261	After ISCHEMIA: is invasive physiology the only remaining gatekeeper for myocardial revascularization in chronic coronary syndromes?. 2020 , 45, 453-457		1
260	Influence of heart rate on FFR measurements: An experimental and clinical validation study. 2020 , 317, 13-17		5
259	The improvement of the shear stress and oscillatory shear index of coronary arteries during Enhanced External Counterpulsation in patients with coronary heart disease. 2020 , 15, e0230144		7
258	A global registry of fractional flow reserve (FFR)-guided management during routine care: Study design, baseline characteristics and outcomes of invasive management. 2020 , 96, E423-E431		2

257	Microvascular function, diabetes and coronary risk. 2020 , 307, 176-177	1
256	Determining the Significance of Coronary Plaque Lesions: Physiological Stenosis Severity and Plaque Characteristics. 2020 , 9,	2
255	Objective Identification of Intermediate Lesions Inducing Myocardial Ischemia Using Sequential Intracoronary Pressure and Flow Measurements. 2020 , 9, e015559	3
254	One-year clinical outcomes of coronary chronic total occlusion intervention in patients with acute coronary syndrome versus stable angina: from the Korean chronic total occlusion registry. 2020 , 31, 430-437	0
253	The Clinical Significance of Physiological Assessment of Residual Ischemia After Percutaneous Coronary Intervention. 2020 , 22, 17	1
252	Rationale and design of the quantification of myocardial blood flow using dynamic PET/CTA-fused imagery (DEMYSTIFY) to determine physiological significance of specific coronary lesions. 2020 , 27, 1030-1039 ⁶	6
251	Resting Full-Cycle Ratio (RFR) in the Assessment of Left Main Coronary Disease: Caution Required. 2020 , 29, 1256-1259	1
250	Optical coherence tomography and fractional flow reserve guided treatment of woven coronary artery anomaly presenting as acute myocardial infarction: A case report. 2020 , 99, e19163	2
249	Intravascular Ultrasound Imaging-Guided Versus Coronary Angiography-Guided Percutaneous Coronary Intervention: A Systematic Review and Meta-Analysis. 2020 , 9, e013678	31
248	Management of Angina Post Percutaneous Coronary Intervention. 2020 , 22, 7	3
247	Physiological Assessment of Coronary Lesions in 2020. 2020 , 22, 2	7
246	European survey on acute coronary syndrome diagnosis and revascularisation treatment: Assessing differences in reported clinical practice with a focus on strategies for specific patient cases. 2020 , 26, 1457-1466	2
245	Diagnostic Performance of Angiogram-Derived Fractional Flow Reserve: A Pooled Analysis of 5 Prospective Cohort Studies. 2020 , 13, 488-497	9
244	Complete Revascularization in Patients With STEMI and Multi-Vessel Disease: A Meta-Analysis of Randomized Controlled Trials. 2020 , 21, 684-691	1
243	Future Directions in Coronary CT Angiography: CT-Fractional Flow Reserve, Plaque Vulnerability, and Quantitative Plaque Assessment. 2020 , 50, 185-202	5
242	Utility of Saline-Induced Resting Full-Cycle Ratio Compared with Resting Full-Cycle Ratio and Fractional Flow Reserve. 2020 , 2020, 5787439	1
241	Long-term outcome after deferred revascularization due to negative fractional flow reserve in intermediate coronary lesions. 2021 , 97, 247-256	1
240	Importance of measurement site on assessment of lesion-specific ischemia and diagnostic performance by coronary computed tomography Angiography-Derived Fractional Flow Reserve. 2021 , 15, 114-120	6

- 239 Commentary: Fractional flow reserve for coronary artery bypass graft surgeryâNot yet ready for prime time. **2021**, 5, 80-82
- 238 Coronary physiology. **2021**, 191-203
- 237 Impact of aging on the effects of intracoronary adenosine, peak hyperemia and its duration during fractional flow reserve assessment. **2021**, 32, 625-631 2
- 236 Independent predictors of discordance between the resting full-cycle ratio and fractional flow reserve. **2021**, 36, 790-798 2
- 235 The new role of diagnostic angiography in coronary physiological assessment. **2021**, 107, 783-789 5
- 234 Myocardial deformation analysis combined with contrast stress-echocardiography âan additional method for assessment of myocardial ischemia. **2021**, 16, 43 1
- 233 Predicting 2-year all-cause mortality after contemporary PCI: Updating the logistic clinical SYNTAX score. **2021**, 98, 1287-1297 2
- 232 Coronary artery height differences and their effect on fractional flow reserve. **2021**, 28, 41-48 1
- 231 Coronary angiography-derived contrast fractional flow reserve. **2021**, 1 1
- 230 Coronary Revascularization and Long-Term Survivorship in Chronic Coronary Syndrome. **2021**, 10, 2
- 229 Stenting "Vulnerable" But Fractional Flow Reserve-Negative Lesions: Potential Statistical Limitations of Ongoing and Future Trials. **2021**, 14, 461-467 4
- 228 Added value of computed tomography fractional flow reserve in the diagnosis of coronary artery disease. **2021**, 11, 6748 1
- 227 PET Stress Testing with Coronary Flow Capacity in the Evaluation of Patients with Coronary Artery Disease and Left Ventricular Dysfunction: Rethinking the Current Paradigm. **2021**, 23, 50
- 226 Diagnostic performance and clinical implications for enhancing a hybrid quantitative flow ratio-FFR revascularization decision-making strategy. **2021**, 11, 6425
- 225 Impact of Early Revascularization on Major Adverse Cardiovascular Events in Relation to Automatically Quantified Ischemia. **2021**, 14, 644-653 8
- 224 [The Role of Percutaneous Coronary Revascularization in Chronic Coronary Syndromes]. **2021**, 110, 313-323
- 223 Agreement of Angiography-Derived and Wire-Based Fractional Flow Reserves in Percutaneous Coronary Intervention. **2021**, 8, 654392 0
- 222 Coronary plaque assessment of Vasodilative capacity by CT angiography effectively estimates fractional flow reserve. **2021**, 331, 307-315 1

221	Influence of coronary artery disease and percutaneous coronary intervention on mid-term outcomes in patients with aortic valve stenosis treated with transcatheter aortic valve implantation. 2021 , 44, 1089-1097	2
220	Invasive coronary physiology assessment for patients with stable coronary disease. 2021 ,	1
219	Imaging in CABG Patients. 2021 , 23, 1	
218	OCT-Derived Plaque Morphology and FFR-Determined Hemodynamic Relevance in Intermediate Coronary Stenoses. 2021 , 10,	3
217	Insufficient recovery of fractional flow reserve even after optimal implantation of drug-eluting stents: 3-year outcomes from the FUJI study. 2021 , 77, 532-538	2
216	Ten-year clinical outcomes in patients with intermediate coronary stenosis according to the combined culprit lesion. 2021 , 44, 1161-1168	2
215	Effect of Low-Density Lipoprotein Cholesterol Goal Achievement on Vascular Physiology Evaluated by Quantitative Flow Ratio in Patients Who Underwent Percutaneous Coronary Intervention. 2021 , 8, 679599	0
214	Total versus staged versus functional revascularization in NSTEMI patients with multivessel disease. 2021 , 73, 56	
213	FFR=1.0 flow changes after percutaneous coronary intervention. 2021 , 77, 634-640	0
212	A fast algebraic approach for noninvasive prediction of fractional flow reserve in coronary arteries. 2021 , 24, 1761-1793	
211	Post-stenting fractional flow reserve vs coronary angiography for optimization of percutaneous coronary intervention (TARGET-FFR). 2021 , 42, 4656-4668	15
210	Mechanisms of gradual pressure drop in angiographically normal left anterior descending and right coronary artery: Insights from wave intensity analysis. 2021 , 78, 72-78	1
209	Quantitative flow ratio-guided residual functional SYNTAX score for risk assessment in patients with ST-segment elevation myocardial infarction undergoing percutaneous coronary intervention. 2021 , 17, e287-e293	5
208	Comparison Between 5- and 1-Year Outcomes Using Cutoff Values of Pressure Drop Coefficient and Fractional Flow Reserve for Diagnosing Coronary Artery Diseases. 2021 , 12, 689517	0
207	Five-Year Survival of Transcatheter Aortic Valve Implantation in High-Risk Patients. 2021 , 30, 1901-1909	0
206	The stability of flow velocity and intracoronary resistance in the intracoronary electrocardiogram-triggered pressure ratio. 2021 , 11, 13824	1
205	Competitive Flow: Closure of Internal Thoracic Artery Graft After Successful Coronary Artery Bypass Graft Surgery.. 2021 , 3, 1406-1409	1
204	Sex Differences in Intracoronary Imaging and Functional Evaluation of Coronary Arteries. 2021 , 14, 1	1

203	The relationship between coronary stenosis morphology and fractional flow reserve: a computational fluid dynamics modelling study.	0
202	Hemodynamic Versus Anatomic Assessment of Symptomatic Atherosclerotic Middle Cerebral Artery Stenosis: the Relationship Between Pressure Wire Translesional Gradient and Angiographic Lesion Geometry. 2021 , 12, 671778	0
201	Three Technologies That Will Guide Revascularization of Chronic Coronary Syndrome Patients into the 21st Century: A Review. 2021 , 30, 212-220	
200	Lesion Length Improves Diagnostic Accuracy of Intravascular Ultrasound for Detecting Functional Intermediate Coronary Stenosis Evaluated With Coronary Angiography-Derived Fractional Flow Reserve in Non-left Main Artery. 2021 , 8, 715514	
199	The role of coronary physiology in contemporary percutaneous coronary interventions. 2021 ,	1
198	An improved reduced-order model for pressure drop across arterial stenoses. 2021 , 16, e0258047	1
197	#PCI2021: The Trend Is Our Friend. 2021 , 31, 17-18	
196	Fractional flow reserve for coronary stenosis assessment derived from fusion of intravascular ultrasound and X-ray angiography. 2021 , 11, 4543-4555	2
195	Percutaneous Coronary Intervention. 2022 , 455-461	0
194	ISCHEMIA Trial: Are We Still Fighting the Last War?. 2021 , 14, e012319	1
193	Cardiac PET Imaging: Principles and New Developments. 2017 , 451-483	1
192	Stable Ischemic Heart Disease. 2015 , 2109-2172	1
191	Stable Ischemic Heart Disease. 2014 , 1-70	1
190	Nonangiographic Coronary Lesion Assessment. 2013 , 244-289	1
189	Diagnostic accuracy of a deep learning approach to calculate FFR from coronary CT angiography. 2019 , 16, 42-48	15
188	Diagnostic Performance and Pressure Stability of a Novel Myocardial Ischemic Diagnostic Index - The Intracoronary-Electrocardiogram-Triggered Distal Pressure/Aortic Pressure Ratio. 2020 , 2, 665-673	2
187	Hemodynamics in Coronary Arterial Tree of Serial Stenoses. 2016 , 11, e0163715	14
186	CT Determination of Fractional Flow Reserve in Coronary Lesions. 2016 , 1, 237-241	3

185	Prediction of Post Percutaneous Coronary Intervention Myocardial Ischaemia. 2016 , 11, 85-89	1
184	The FAME Trials: Impact on Clinical Decision Making. 2016 , 11, 116-119	5
183	Non-invasive fractional flow reserve: a comparison of one-dimensional and three-dimensional mathematical modeling effectiveness. 2020 , 19, 2303	2
182	[Role of measurement of fractional flow reserve in coronary artery atherosclerosis]. 2015 , 87, 106-113	2
181	Present Status of Medical Radiation and Nuclear Cardiology Usage in Japan. 2018 , 4, 142-148	3
180	Fractional flow reserve: a new paradigm for diagnosis and management of coronary artery disease. 2012 , 4, 61-71	2
179	Long-Term Outcomes in Patients Undergoing Percutaneous Coronary Intervention with or without Preprocedural Exercise Stress Test. 2020 , 35, e3	1
178	Evaluation of Myocardial Ischemia Using Coronary Computed Tomography Angiography in Patients with Stable Angina. 2020 , 81, 250	1
177	Diagnostic Accuracy of a Novel On-site Virtual Fractional Flow Reserve Parallel Computing System. 2020 , 61, 137-144	1
176	Revaskularizace myokardu. Perkutánní koronární intervence a aortokoronární bypass. 2011 , 53, 3-24	1
175	Coronary Angiography-Derived Index of Microvascular Resistance. 2020 , 11, 605356	7
174	Clinical applications of fractional flow reserve in bifurcation lesions. 2012 , 9, 278-84	9
173	Physiologic approach for coronary intervention. 2013 , 28, 1-7	4
172	Immediate multivessel revascularization may increase cardiac death and myocardial infarction in patients with ST-elevation myocardial infarction and multivessel coronary artery disease: data analysis from real world practice. 2016 , 31, 488-500	2
171	Percutaneous coronary intervention in patients with multi-vessel coronary artery disease: a focus on physiology. 2018 , 33, 851-859	2
170	FFR result post PCI is suboptimal in long diffuse coronary artery disease. 2016 , 12, 1473-1480	18
169	Quantitative myocardial blush grade reserve during pharmacologic hyperaemia: a way to perform a real wireless fractional flow reserve measurement in patients with coronary artery disease and intermediate coronary lesions. 2017 , 12, e2219-e2227	2
168	Diagnostic performance of a Lattice Boltzmann-based method for CT-based fractional flow reserve. 2018 , 13, 1696-1704	9

167	Association between fractional flow reserve, instantaneous wave-free ratio and dobutamine stress echocardiography in patients with stable coronary artery disease. 2018 , 13, 1959-1966	4
166	Efficacy of Optical Coherence Tomography-derived Morphometric Assessment in Predicting the Physiological Significance of Coronary Stenosis: Head-to-Head Comparison with Intravascular Ultrasound. 2018 , 13, e2210-e2218	14
165	Coronary lesion progression as assessed by fractional flow reserve (FFR) and angiography. 2018 , 14, 907-914	8
164	What are the causes of a suboptimal FFR after coronary stent deployment? Insights from a consecutive series using OCT imaging. 2018 , 14, e1324-e1331	21
163	Clinical outcomes of bioabsorbable polymer sirolimus-eluting stents versus durable polymer everolimus-eluting stents: two-year follow-up of the DESSOLVE III trial. 2020 , 15, e1366-e1374	6
162	Clinical outcomes of state-of-the-art percutaneous coronary revascularisation in patients with three-vessel disease: two-year follow-up of the SYNTAX II study. 2019 , 15, e244-e252	38
161	Assessment of lesion functional significance with virtual FFR - are we going with the flow?. 2014 , 10, 535-8	3
160	Long-term outcome of FFR-guided PCI for stable coronary artery disease in daily clinical practice: a propensity score-matched landmark analysis. 2016 , 11, e1257-66	12
159	STENTYS Self-Apposing sirolimus-eluting stent in ST-segment elevation myocardial infarction: results from the randomised APPPOSITION IV trial. 2016 , 11, e1267-74	20
158	Assessment of coronary fractional flow reserve using a monorail pressure catheter: the first-in-human ACCESS-NZ trial. 2015 , 11, 257-63	23
157	Coronary fractional flow reserve in bifurcation stenoses: what have we learned?. 2015 , 11 Suppl V, V59-63	6
156	Contemporary state-of-the-art PCI with functional and imaging concepts: forethoughts on the FAME 3 trial. 2019 , 15, e219-e221	3
155	Comparison of intravenous adenosine and intravenous regadenoson for the measurement of pressure-derived coronary fractional flow reserve. 2013 , 8, 1166-71	23
154	The impact of gender on fractional flow reserve measurements. 2013 , 9, 360-6	25
153	Clinical outcomes after intravascular ultrasound and fractional flow reserve assessment of intermediate coronary lesions. Propensity score matching of large cohorts from two institutions with a differential approach. 2013 , 9, 824-30	14
152	Head-to-head comparison of basal stenosis resistance index, instantaneous wave-free ratio, and fractional flow reserve: diagnostic accuracy for stenosis-specific myocardial ischaemia. 2015 , 11, 914-25	52
151	2018 ESC/EACTS Guidelines on myocardial revascularization. 2019 , 14, 1435-1534	180
150	Future of cardiac computed tomography. 2015 , 7, 421-3	4

- 149 Myocardial ischemia is a key factor in the management of stable coronary artery disease. **2014**, 6, 130-9 17
- 148 Myocardial perfusion echocardiography and coronary microvascular dysfunction. **2015**, 7, 861-74 12
- 147 Delineation of epicardial stenosis in patients with microvascular disease using pressure drop coefficient: A pilot outcome study. **2017**, 9, 813-821 2
- 146 Reproducibility of quantitative flow ratio: An inter-core laboratory variability study. **2020**, 27, 230-237 6
- 145 The Use of Fractional Flow Reserve for Physiological Assessment of Indeterminate Lesions in Peripheral Artery Disease. **2019**, 11, e4445 4
- 144 Virtual (Computed) Fractional Flow Reserve: Future Role in Acute Coronary Syndromes. **2021**, 8, 735008 0
- 143 Diagnostic Value of Angiography-Derived IMR for Coronary Microcirculation and Its Prognostic Implication After PCI. **2021**, 8, 735743 0
- 142 Almanac 2011: stable coronary artery disease. The national society journals present selected research that has driven recent advances in clinical cardiology. **2011**, 23, 129-38
- 141 Tools & techniques: risk stratification and diagnostic tools in left main stem intervention. **2011**, 7, 747-53 2
- 140 Stable angina pectoris. **2012**, 31, 38-47
- 139 Evaluation of Cardiovascular Disease in Patients with Diabetes Mellitus Using Myocardial Perfusion SPECT. **2012**, 13, 191
- 138 Elective Versus Emergency PCI: Cardiogenic Shock. **2013**, 639-651
- 137 Invasive assessment and management of intermediate coronary narrowings. **2012**, 302-311
- 136 Determinants of long-term outcome following percutaneous coronary intervention. **2012**, 415-421
- 135 Fractional flow reserve: Role in guiding clinical decision making. **2012**, 140-151
- 134 Determinants of long-term outcome following percutaneous coronary intervention. **2012**, 415-421
- 133 Coronary Pressure and Flow for the Assessment of Coronary Artery Disease. **2013**, 1-33
- 132 Physiologic Evaluation of Patients with Ischemic Heart Disease. **2014**, 193-205

- 131 Multivessel Disease. **2014**, 265-276
- 130 Implementing the Heart Team Approach for Optimal Strategy in Myocardial Revascularization and Structural Valve Disease. **2014**, 1-12
- 129 Ischemia-guided Revascularization for Stable Ischemic Heart Disease. **2014**, 87, 675
- 128 Trimetazidine. **2015**, 153-172
- 127 [Harmony of medical care and radiological technology for ischemic heart disease -sharing knowledge and technique for safe examination and treatment-]. **2015**, 71, 249-70
- 126 Is Hyperaemia Essential for Accurate Functional Assessment of Coronary Stenosis Severity?. **2015**, 10, 72-78
- 125 Heart Team Approach for Optimal Strategy in Myocardial Revascularization and Structural Valve Disease. **2015**, 4913-4922
- 124 Medical Therapy Versus Revascularization in the Management of Stable Angina Pectoris. **2015**, 235-264
- 123 2014 Korean Guidelines for Appropriate Utilization of Cardiovascular Magnetic Resonance Imaging: A Joint Report of the Korean Society of Cardiology and the Korean Society of Radiology. **2015**, 72, 217
- 122 Coronary Pressure and Flow for the Assessment of Coronary Artery Disease. **2015**, 1431-1457
- 121 Coronary Flow Resistance and Reserve. **2015**, 95-105
- 120 Ischemia-Guided Percutaneous Revascularization. **2015**, 4,
- 119 Stable Ischemic Heart Disease. **2016**, 1-70
- 118 Cardiovascular CT: Interventional Cardiology Applications. **2016**, 487-505
- 117 Coronary Blood Flow Measurements. **2017**, 249-261
- 116 Complex Coronary Hemodynamics - Simple Analog Modelling as an Educational Tool. **2017**, 11, 12-19
- 115 Editorial. The Closer We Get, The Further Apart We Become. **2017**, 3, 111-112
- 114 Myocardial revascularisation in high-risk subjects. **2018**, 104, 166-179

- 113 Importance of evaluation for severity of myocardial ischemia: interpreted from clinical trials. **2018**, 24, 79-83
- 112 Method comparison for cardiac image registration of coronary computed tomography angiography and 3-D echocardiography. **2018**, 5, 014001 2
- 111 Extravascular Contrast Agents. **2018**, 91-130
- 110 Large-volume Fabry-Pfot fiber-optic sensors production for medical devices and industrial applications. **2018**,
- 109 Evaluating Equivocal Left Main Stenosis with Fractional Flow Reserve âNot all Daughter Vessels are Created Equally. **2019**, 13, 38
- 108 Nonobstructive Coronary Artery Disease in Women: Risk Factors and Noninvasive Diagnostic Assessment. **2019**, 3, 349-361
- 107 Characterisation of lesions undergoing ischaemia-driven revascularisation after complete revascularisation versus culprit lesion only in patients with STEMI and multivessel disease: a DANAMI-3-PRIMULTI substudy. **2019**, 15, 172-179 1
- 106 An investigation into hemodynamically significant coronary artery lesions predictors assessed by fractional flow reserve: A propensity score matching analysis. **2020**, 7, 35-39
- 105 Development of a Diagnostic Tool for Prediction of Severity of Coronary Artery Disease. **2021**, 337-343
- 104 Two-Year Outcomes of Asymptomatic vs. Symptomatic Patients After Deferral of Revascularization Based on Fractional Flow Reserve - Insights From the J-CONFIRM Registry. **2020**, 2, 744-752 1
- 103 Coronary Heart Disease Diagnosis by FFRCT: Engineering Triumphs and Value Chain Analysis. **2020**, 249-260
- 102 Borderline Lesion Evaluation: CT-FFR. **2020**, 39-43
- 101 Influence of reconstruction kernels on the accuracy of CT-derived fractional flow reserve. **2021**, 1 1
- 100 Clinical application of results of the ISCHEMIA trial. **2021**, 2
- 99 Efficacy of Fractional Flow Reserve-Guided Percutaneous Coronary Intervention for Patients with Angina Pectoris. **2020**, 61, 1097-1106 0
- 98 Fractional flow reserve measurements to identify justified targets for PCI in patients with stable angina: FAME 2 and beyond. **2012**, 2, 261-3
- 97 Fractional flow reserve application in everyday practice: adherence to clinical recommendations. **2013**, 3, 137-45 6
- 96 Critical analysis of the correlation between optical coherence tomography versus intravascular ultrasound and fractional flow reserve in the management of intermediate coronary artery lesion. **2015**, 8, 6658-67 4

95	Intravascular ultrasound-based analysis of factors affecting minimum lumen area in coronary artery intermediate lesions. 2016 , 13, 169-74		
94	The Impact of Fractional Flow Reserve-Guided Coronary Revascularization in Patients with Coronary Stenoses of Intermediate Severity. 2017 , 33, 353-361		3
93	Long-term outcomes after fractional flow reserve-guided percutaneous coronary intervention in patients with severe coronary stenosis. 2019 , 16, 329-337		1
92	[Long-term outcomes of off-pump coronary artery bypass grafting in patients aged over 75 years]. 2017 , 37, 75-78		
91	Considering ISCHEMIA in the Context of FAME and FAME 2: A Call for the Universal Adoption of Invasive Ischemia-Guided Coronary Intervention Approach in Chronic Coronary Syndrome. 2020 , 36, 93-96		
90	Cardiovascular risk in patients with and without diabetes presenting with chronic coronary syndrome in 2004-2016. 2021 , 21, 579		0
89	Usefulness of Fractional Flow Reserve during Routine Clinical Procedures in All-Coroner Coronary Artery Disease Patients. 2021 , 11, 509-522		
88	Women making waves Editorial: Impact of sex in the functional assessment of intermediate coronary lesions by instantaneous wave-free ratio.. 2022 ,		0
87	Long-Term Clinical Outcomes of Fractional Flow Reserve-Guided Coronary Artery Revascularization in Chronic Kidney Disease.. 2022 , 12,		
86	2021 ACC/AHA/SCAI Guideline for Coronary Artery Revascularization: A Report of the American College of Cardiology/American Heart Association Joint Committee on Clinical Practice Guidelines.. <i>Journal of the American College of Cardiology</i> , 2021 ,	15.1	42
85	JCS 2018 Guideline on Revascularization of Stable Coronary Artery Disease.. 2022 , 86,		3
84	Stable Ischemic Heart Disease and Approach to Chronic Chest Pain. 2022 , 74-101		
83	2021 ACC/AHA/SCAI Guideline for Coronary Artery Revascularization: A Report of the American College of Cardiology/American Heart Association Joint Committee on Clinical Practice Guidelines. 2021 , CIR0000000000001038		23
82	Preprocedural transthoracic Doppler echocardiography to identify stenosis associated with increased coronary flow after revascularisation.. 2022 , 12, 1667		
81	L'analyse des sténoses coronaires : au-delà de la coronarographie. 2022 , 206, 250-255		
80	Contemporary Management of Stable Coronary Artery Disease.. 2022 , 1		0
79	Five-Year Outcomes After Fractional Flow Reserve-Based Deferral of Revascularization in Chronic Coronary Syndrome: Final Results From the J-CONFIRM Registry.. 2022 , CIRCINTERVENTIONS121011387		0
78	Peripheral Coronary Artery Circulatory Dysfunction in Remote Stage Kawasaki Disease Patients Detected by Adenosine Stress N-Ammonia Myocardial Perfusion Positron Emission Tomography.. 2022 , 11,		

77	Physiologic Lesion Assessment to Optimize Multivessel Disease.. 2022 , 1	
76	Sex Effect in the Decision to Perform Invasive Coronary Angiography in Patients With Chronic Coronary Syndrome After Undergoing Vasodilator Stress MRI.. 2022 ,	
75	Distribution of FFRCT in single obstructive coronary stenosis and predictors for major adverse cardiac events: a propensity score matching study.. 2022 , 22, 59	
74	Does the ISCHEMIA Trial Apply to My Patients?. 2022 , 1	
73	[Personalized Therapeutic Concepts in Chronic Coronary Syndromes].. 2022 , 111, 141-147	
72	Percutaneous Coronary Intervention for Left Main Coronary Artery Disease. 2022 ,	1
71	Current State and Future Perspectives of Artificial Intelligence for Automated Coronary Angiography Imaging Analysis in Patients with Ischemic Heart Disease.. 2022 , 24, 365	0
70	Impact of coronary plaque morphology on the precision of computational fractional flow reserve derived from optical coherence tomography imaging.. 2022 , 12, 155-165	0
69	Angiographic predictors of coronary hemodynamics.. 2022 ,	
68	Quantitative Flow Ratio or Angiography for the Assessment of Non-culprit Lesions in Acute Coronary Syndromes: Protocol of the Randomized Trial QUOMODO.. 2022 , 9, 815434	0
67	Effect of percutaneous coronary intervention on global hemodynamics and the prevalence of residual microvascular dysfunction.. 2021 , e12745	1
66	Non-Invasive Flow Ratio (NiFR) Measurement based on Angiography Images.. 2021 , 11, 685-692	1
65	Evaluating the efficacy and safety of percutaneous coronary intervention (PCI) versus the optimal drug therapy (ODT) for stable coronary heart disease: a systematic review and meta-analysis.. 2022 , 14, 1183-1192	
64	Stress Perfusion Cardiac Magnetic Resonance in Long-Standing Non-Infarcted Chronic Coronary Syndrome with Preserved Systolic Function.. 2022 , 12,	0
63	Impact of the caFFR-Guided Functional SYNTAX Score on Ventricular Tachycardia/Fibrillation Development in Patients With Acute Myocardial Infarction.. 2022 , 9, 807805	0
62	Clinical Applications in Cardiac Imaging. 2022 , 143-162	
61	Coronary Blood Flow and Pressure Measurements. 2022 , 241-260	
60	Artificial Intelligence-Based Cardiovascular Risk Stratification. 2022 , 403-419	

- 59 Structure (Epicardial Stenosis) and Function (Microvascular Dysfunction) That Influence Coronary Fractional Flow Reserve Estimation. **2022**, 12, 4281
- 58 Intravascular Ultrasound. **2022**, 93-106
- 57 A Practical Approach to Invasive Testing in Ischemia with No Obstructive Coronary Arteries (INOCA). **2022**,
- 56 On inlet pressure boundary conditions for CT-based computation of fractional flow reserve: clinical measurement of aortic pressure.. **2022**, 1-10 1
- 55 The Clinical Value of Syntax Scores in Predicting Coronary Artery Disease Outcomes. **2022**,
- 54 Diagnostic performance of quantitative flow ratio versus fractional flow reserve and resting full-cycle ratio in intermediate coronary lesions. **2022**, 0
- 53 Deep learning prediction of quantitative coronary angiography values using myocardial perfusion images with a CZT camera.
- 52 Angiographic Lesion Morphology Provides Incremental Value to Generalize Quantitative Flow Ratio for Predicting Myocardial Ischemia. **2022**, 9,
- 51 Artificial Intelligence in Coronary CT Angiography: Current Status and Future Prospects. 9, 0
- 50 Functional evaluation of intermediate coronary lesions with integrated computed tomography angiography and invasive angiography in patients with stable coronary artery disease. **2022**,
- 49 Improved Functional Assessment of Ischemic Severity Using 3D Printed Models. 9,
- 48 Multivessel coronary bed lesion in patients with stable coronary artery disease: Current state of the problem and gap in evidence. **2022**, 37, 28-34
- 47 Myocardial deformation indices for detection of the functional significance of intermediate left anterior descending coronary artery stenosis: FFR guided study.
- 46 FFR-Guided PCI Optimization Directed by High-Definition IVUS Versus Standard of Care. **2022**, 15, 1595-1607 0
- 45 Differential Impact of Renal Function on the Diagnostic Performance of Resting Full-Cycle Ratio in Patients With Renal Dysfunction. **2022**,
- 44 Coronary functional assessment in non-obstructive coronary artery disease: Present situation and future direction. 9, 0
- 43 The risk of myocardial ischemia in patients with Kawasaki Disease: Insights from patient-specific simulations of coronary hemodynamics. 0
- 42 Hybrid Cardiac Imaging for the Specialist with Expertise in Computed Tomography. **2022**, 75-91 0

41	Machine Learning for Multi-Vessel Coronary Artery Disease Prediction on Electrocardiogram Gated Single-Photon Emission Computed Tomography. 2022,	0
40	Routine Pressure Wire Assessment Versus Conventional Angiography in the Management of Patients With Coronary Artery Disease: The RIPCORD 2 Trial. 2022, 146, 687-698	1
39	Factors Predicting 150 and 200 Microgram Adenosine Requirement during Four Increasing Doses of Intracoronary Adenosine Bolus Fractional Flow Reserve Assessment. 2022, 12, 2076	0
38	Machine-learning-derived radiomics signature of pericoronary tissue in coronary CT angiography associates with functional ischemia. 13,	0
37	The guiding value of hybrid resting full-cycle ratio and fractional flow reserve strategy for percutaneous coronary intervention in a Chinese real-world cohort with non-ST elevation acute coronary syndrome. 9,	0
36	Quantitative flow ratio vs. angiography- only guided PCI in STEMI patients: a one- year outcomes.	0
35	Angiographic Quantitative Flow Ratio-Guided Coronary Intervention: Two-Year Outcomes of the FAVOR III China Trial. 2022,	0
34	Left Main Coronary Artery Disease—Current Management and Future Perspectives. 2022, 11, 5745	0
33	The impact of coronary microvascular dysfunction on the discordance between fractional flow reserve and resting full-cycle ratio in patients with chronic coronary syndromes. 9,	0
32	Comparison of Six Different Percutaneous Coronary Intervention Guidance Modalities. 2022, 9, 343	0
31	Myocardial mass affects diagnostic performance of non-hyperemic pressure-derived indexes in the assessment of coronary stenosis. 2022,	0
30	Clinical utility of coronary artery computed tomography angiography- What we know and What's new?. 2022,	0
29	Fractional Flow Reserve-Guided Coronary Revascularization: Evidence from Randomized and Non-Randomized Studies. 2022, 12, 2659	0
28	Impact of Intermediate Lesions on the 10-Years Clinical Outcomes in Patients With Significant Coronary Artery Disease. 2,	0
27	Coronary physiology in the catheterisation laboratory: an A to Z practical guide. 2022, 8, 86-109	0
26	Deep learning-based detection of functionally significant stenosis in coronary CT angiography. 9,	0
25	Preoperative Functional Assessment of the Left Main and Postoperative Side Branch Evaluation. 2022, 119-127	0
24	Machine Learning Identification Framework of Hemodynamics of Blood Flow in Patient-Specific Coronary Arteries with Abnormality.	0

- 23 Influence of the position of the distal pressure measurement point on the Fractional Flow Reserve using in-silico simulations. **2023**, 43, 69-81 ○
- 22 USING NON-INVASIVE METHODS FOR EVALUATING MYOCARDIAL ISCHEMIA IN ASSESSMENT OF THE FUNCTIONAL SIGNIFICANCE OF INTERMEDIATE CORONARY ARTERY STENOSES IN PATIENTS WITH CHRONIC ISCHEMIC HEART DISEASE. **2016**, 30-40 ○
- 21 Less Money, Less Problems: Real-World Cost-Effectiveness of Fractional Flow Reserve-Guided Percutaneous Coronary Intervention. **2022**, 100146 ○
- 20 Intravascular Ultrasound Guidance Is Associated with a Favorable One-Year Target Vessel Failure Rate and No Residual Myocardial Ischemia after the Percutaneous Treatment of Very Long Coronary Artery Lesions. **2022**, 9, 445 ○
- 19 Quantitative analysis of parameters of three-dimensional coronary angiography and coronary artery calculation correlation analysis of myocardial fractional blood flow reserve measured by computed tomography. **2022**, ○
- 18 Fractional flow reserve versus angiography-guided strategy in acute myocardial infarction with multivessel disease: a randomized trial. 2
- 17 Beyond CFD: Emerging methodologies for predictive simulation in cardiovascular health and disease. **2023**, 4, 011301 ○
- 16 Coronary physiology assessment: a routine method in a modern catheterization center. **2022**, 21, 229-239 ○
- 15 Long-Term Cost-Effectiveness of Fractional Flow Reserve-Based Percutaneous Coronary Intervention in Stable and Unstable Angina. **2022**, 1, 100145 ○
- 14 Artificial intelligence in atherosclerotic disease: Applications and trends. 9, ○
- 13 Perspectives in Predicting Rapid Plaque Progression and Future Coronary Events Using Comprehensive Plaque and Hemodynamic Assessment. **2023**, 2, 77 ○
- 12 A novel method for calculating CTFFR based on the flow ratio between stenotic coronary and healthy coronary. **2023**, 233, 107469 ○
- 11 Functional evaluation of intracranial atherosclerotic stenosis by pressure ratio measurements. **2023**, 9, e13527 ○
- 10 Influence of Left Ventricular Diastolic Dysfunction on the Diagnostic Performance of Coronary Computed Tomography Angiography-Derived Fractional Flow Reserve. **2023**, 12, 1724 ○
- 9 Percutaneous Coronary Intervention Versus Coronary Artery Bypass Grafting for Revascularization of Left Main Coronary Artery Disease. **2023**, 53, 113 ○
- 8 The influence of hydrostatic pressure on physiological indexes. **2023**, ○
- 7 Quantitative flow ratio vs. angiography-only guided PCI in STEMI patients: one-year cardiovascular outcomes. **2023**, 23, ○
- 6 Real world impact of added FFR-CT to coronary CT angiography on clinical decision-making and patient prognosis -IMPACT FFR study. ○

- 5 Predictors of Myocardial Ischemia in Patients with Kawasaki Disease: Insights from Patient-Specific Simulations of Coronary Hemodynamics. ○
- 4 Nomogram for evaluating coronary revascularisation necessity based on multi-parameter coronary CT angiography. **2023**, ○
- 3 Non-invasive Angiographic-based Fractional Flow Reserve: Technical Development, Clinical Implications, and Future Perspectives. ○
- 2 Intracoronary Imaging-Guided Revascularization for Non-Culprit Lesions in Patients With ST-Elevation Myocardial Infarction and Multivessel Disease. **2023**, ○
- 1 Angiography-Derived FFR as Novel Parameter in Assessing Flow-Limiting CAD?. **2023**, ○