# Instantaneous Wave-free Ratio versus Fractional Flow R

New England Journal of Medicine
376, 1813-1823
DOI: 10.1056/nejmoa1616540

Citation Report

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Coronary physiology revisited. Netherlands Heart Journal, 2017, 25, 355-356. | 0.3 | 2 |
| 2 | Adenosine-free assessment of stenosis severity. Nature Reviews Cardiology, 2017, 14, 253-253. | 6.1 | 0 |
| 3 | Targeting the dominant mechanism of coronary microvascular dysfunction with intracoronary physiology tests. International Journal of Cardiovascular Imaging, 2017, 33, 1041-1059. | 0.7 | 49 |
| 4 | Fractional flow reserve in 2017: current data and everyday practice. Expert Review of Cardiovascular Therapy, 2017, 15, 457-472. | 0.6 | 5 |
| 5 | Impact of Routine Fractional Flow Reserve on Management Decision and 1-Year Clinical Outcome of Patients With Acute Coronary Syndromes. Circulation: Cardiovascular Interventions, 2017, 10, . | 1.4 | 44 |
| 6 | PET measurements of myocardial blood flow post myocardial infarction: Relationship to invasive and cardiac magnetic resonance studies and potential clinical applications. Journal of Nuclear Cardiology, 2017, 24, 1883-1892. | 1.4 | 4 |
| 7 | Integrating electronic health records into the study of heart failure: promises and pitfalls. European Journal of Heart Failure, 2017, 19, 1128-1130. | 2.9 | 8 |
| 8 | A Test in Context. Journal of the American College of Cardiology, 2017, 69, 2748-2758. | 1.2 | 40 |
| 9 | Use of the Instantaneous Wave-free Ratio or Fractional Flow Reserve in PCI. New England Journal of Medicine, 2017, 376, 1824-1834. | 13.9 | 742 |
| 10 | Assessment of Stable Coronary Lesions. New England Journal of Medicine, 2017, 376, 1879-1881. | 13.9 | 22 |
| 11 | Meta-Analysis of Death and Myocardial Infarction in the DEFINE-FLAIR and iFR-SWEDEHEART Trials. Circulation, 2017, 136, 2389-2391. | 1.6 | 32 |
| 14 | Agreement of the Resting Distal toÂAorticÂCoronary Pressure With theÂInstantaneous Wave-Free Ratio. Journal of the American College of Cardiology, 2017, 70, 2105-2113. | 1.2 | 43 |
| 15 | Agreement and Differences Among Resting Coronary Physiological Indices. Journal of the American College of Cardiology, 2017, 70, 2124-2127. | 1.2 | 4 |
| 16 | Similarity and Difference of Resting DistalÂto Aortic Coronary Pressure andÂInstantaneous Wave-Free Ratio. Journal of the American College of Cardiology, 2017, 70, 2114-2123. | 1.2 | 50 |
| 17 | Instantaneous Wave-free Ratio versus Fractional Flow Reserve. New England Journal of Medicine, 2017, 377, 1595-1599. | 13.9 | 17 |
| 18 | Clinical outcomes of state-of-the-art percutaneous coronary revascularization in patients with de novo three vessel disease: 1-year results of the SYNTAX II study. European Heart Journal, 2017, 38, 3124-3134. | 1.0 | 244 |
| 19 | Exploring Coronary Circulatory Response to Stenosis and Its Association With Invasive Physiologic Indexes Using Absolute Myocardial Blood Flow and Coronary Pressure. Circulation, 2017, 136, 1798-1808. | 1.6 | 39 |
| 20 | From Nonclinical Research to Clinical Trials and Patient-registries: Challenges and Opportunities in Biomedical Research. Revista Espanola De Cardiologia (English Ed ), 2017, 70, 1121-1133. | 0.4 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 21 | Diagnostic accuracy of instantaneous wave freeâ€ratio in clinical practice. Journal of Interventional Cardiology, 2017, 30, 564-569. | 0.5 | 4 |
| 22 | Functional assessment of lesion severity without using the pressure wire: coronary imaging and blood flow simulation. Expert Review of Cardiovascular Therapy, 2017, 15, 863-877. | 0.6 | 2 |
| 23 | Fractional Flow Reserve in Angiographically Insignificant Stenoses: Unmasking the Lesion or Creating Disease?. Journal of the American Heart Association, 2017, 6, . | 1.6 | 0 |
| 24 | 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. American Journal of Cardiology, 2017, 120, 1920-1925. | 0.7 | 16 |
| 25 | The Evolving Future of InstantaneousÂWave-Free Ratio and Fractional FlowÂReserve. Journal of the American College of Cardiology, 2017, 70, 1379-1402. | 1.2 | 148 |
| 26 | Noninferiority Trials in Interventional Cardiology. Circulation: Cardiovascular Interventions, 2017, 10, . | 1.4 | 3 |
| 27 | Discrepancy between fractional flow reserve and instantaneous wave-free ratio: Clinical and angiographic characteristics. International Journal of Cardiology, 2017, 245, 63-68. | 0.8 | 53 |
| 28 | Intravascular imaging in coronary artery disease. Lancet, The, 2017, 390, 793-809. | 6.3 | 112 |
| 29 | Instantaneous wave-free ratio and fractional flow reserve for the assessment of nonculprit lesions during the index procedure in patients with ST-segment elevation myocardial infarction: The WAVE study. American Heart Journal, 2017, 193, 63-69. | 1.2 | 32 |
| 30 | Is Instantaneous Wave-Free Ratio a New Standard of Care for Physiologic Assessment of Coronary Lesions?. Circulation, 2017, 136, 2295-2297. | 1.6 | 8 |
| 31 | How and When to Evaluate NonculpritÂLesions in ST-Segment Elevation Myocardial Infarction. JACC: Cardiovascular Interventions, 2017, 10, 2536-2538. | 1.1 | 0 |
| 32 | Clinical Outcomes According to FractionalÂFlow Reserve or Instantaneous Wave-Free RatioÂinÂDeferred Lesions. JACC: Cardiovascular Interventions, 2017, 10, 2502-2510. | 1.1 | 48 |
| 33 | Nonculprit Stenosis Evaluation Using Instantaneous Wave-Free Ratio in PatientsÂWith ST-Segment Elevation Myocardial Infarction. JACC: Cardiovascular Interventions, 2017, 10, 2528-2535. | 1.1 | 55 |
| 34 | Instantaneous Wave-Free RatioÂOutcomesÂand the EpistemologyÂofÂIschemia. JACC: Cardiovascular Interventions, 2017, 10, 2511-2513. | 1.1 | 3 |
| 36 | Comparison of Different Diastolic RestingÂIndexes to iFR. Journal of the American College of Cardiology, 2017, 70, 3088-3096. | 1.2 | 163 |
| 37 | Fractional Flow Reserve/InstantaneousÂWave-Free Ratio Discordance in Angiographically Intermediate CoronaryÂStenoses. JACC: Cardiovascular Interventions, 2017, 10, 2514-2524. | 1.1 | 104 |
| 38 | Should We Just Go With the Flow?. JACC: Cardiovascular Interventions, 2017, 10, 2525-2527. | 1.1 | 4 |
| 39 | FFR and iFR. Annals of Nuclear Cardiology, 2017, 3, 53-60. | 0.0 | 8 |

| # | Article | IF | Citations |
|---|---|---|---|
| 40 | Timing of oral anticoagulant therapy in acute ischemic stroke with atrial fibrillation: study protocol for a registry-based randomised controlled trial. Trials, 2017, 18, 581. | 0.7 | 28 |
| 41 | Report of the Annual Scientific Sessions of the American College of Cardiology (ACC), Washington DC. Circulation Journal, 2017, 81, 777-782. | 0.7 | 3 |
| 42 | Performing and Interpreting Fractional Flow Reserve Measurements in Clinical Practice: An Expert Consensus Document. Interventional Cardiology Review, 2017, 12, 97. | 0.7 | 40 |
| 43 | Physiological evaluation of the provisional side-branch intervention strategy for bifurcation lesions using instantaneous wave-free ratio. Indian Heart Journal, 2018, 70, S254-S258. | 0.2 | 7 |
| 44 | Imaging to Assess Ischemic Heart Disease in Women. Current Atherosclerosis Reports, 2018, 20, 16. | 2.0 | 2 |
| 45 | Registry-based randomised clinical trial: efficient evaluation of generic pharmacotherapies in the contemporary era. Heart, 2018, 104, 1562-1567. | 1.2 | 21 |
| 46 | Simplified hybrid algorithms for pressure wire interrogation exploiting advantages of a baseline and contrast Pd/Pa ratio indexes to predict stenosis significance: Insight from the SPARE multicenter prospective study. Catheterization and Cardiovascular Interventions, 2018, 92, 1090-1096. | 0.7 | 6 |
| 47 | Instantaneous Wave-Free Ratio Pressure Pullback With Virtual Percutaneous Coronary Intervention Planning. JACC: Cardiovascular Interventions, 2018, 11, 768-770. | 1.1 | 5 |
| 48 | Pre-Angioplasty Instantaneous Wave-Free Ratio Pullback Predicts Hemodynamic Outcome In Humans WithÂCoronary Artery Disease. JACC: Cardiovascular Interventions, 2018, 11, 757-767. | 1.1 | 95 |
| 49 | Role of Invasive Functional Assessment in Surgical Revascularization of Coronary Artery Disease. Circulation, 2018, 137, 1731-1739. | 1.6 | 10 |
| 50 | Vorticity: At the crossroads of coronary biomechanics and physiology. Atherosclerosis, 2018, 273, 115-116. | 0.4 | 5 |
| 51 | CVIT expert consensus document on primary percutaneous coronary intervention (PCI) for acute myocardial infarction (AMI) in 2018. Cardiovascular Intervention and Therapeutics, 2018, 33, 178-203. | 1.2 | 79 |
| 52 | Revascularization in stable coronary disease: evidence and uncertainties. Nature Reviews Cardiology, 2018, 15, 408-419. | 6.1 | 21 |
| 53 | Quantitative Flow Ratio Identifies Nonculprit Coronary Lesions Requiring Revascularization in Patients With ST-Segmentâ€“Elevation Myocardial Infarction and Multivessel Disease. Circulation: Cardiovascular Interventions, 2018, 11, e006023. | 1.4 | 80 |
| 54 | Impact of Routine Invasive Physiology atÂTime of Angiography in Patients WithÂMultivessel Coronary Artery DiseaseÂon Reclassification of Revascularization Strategy. JACC: Cardiovascular Interventions, 2018, 11, 354-365. | 1.1 | 24 |
| 55 | Treatment Strategy Change After RoutineÂPressure Wire Assessment forÂCoronary Artery Disease. JACC: Cardiovascular Interventions, 2018, 11, 366-368. | 1.1 | 0 |
| 56 | Invasive â€œin the cath-labâ€•assessment of myocardial ischemia in patients with coronary artery disease: When does the gold standard not apply?. Cardiovascular Revascularization Medicine, 2018, 19, 362-372. | 0.3 | 21 |
| 57 | Selection of the Best of 2017 in Interventional Cardiology: Revolution in the Study of Coronary Physiology and New Parameters. Revista Espanola De Cardiologia (English Ed ), 2018, 71, 223-225. | 0.4 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 58 | Clinical Quantification of Myocardial Blood Flow Using PET: Joint Position Paper of the SNMMI Cardiovascular Council and the ASNC. Journal of Nuclear Cardiology, 2018, 25, 269-297. | 1.4 | 151 |
| 59 | Instantaneous wave-free ratio as an alternative to fractional flow reserve in assessment of moderate coronary stenoses: A meta-analysis of diagnostic accuracy studies. Cardiovascular Revascularization Medicine, 2018, 19, 613-620. | 0.3 | 15 |
| 60 | Residual pressure gradient across the implanted stent: An important factor of post-PCI physiological results. Journal of Cardiology, 2018, 71, 458-463. | 0.8 | 9 |
| 61 | SelecciÃ³n de lo mejor del aÃ±o 2017 en cardiologÃa intervencionista: revoluciÃ³n en el estudio de la fisiologÃa coronaria y nuevos parÃ¡metros. Revista Espanola De Cardiologia, 2018, 71, 223-225. | 0.6 | 0 |
| 62 | Instant Wave-Free Ratio or Fractional Flow Reserve for Hemodynamic Coronary Lesion Assessment?. Circulation: Cardiovascular Interventions, 2018, 11, e006284. | 1.4 | 2 |
| 63 | Diagnostic Performance of the Instantaneous Wave-Free Ratio. Circulation: Cardiovascular Interventions, 2018, 11, e004613. | 1.4 | 42 |
| 64 | 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. American Heart Journal, 2018, 199, 7-12. | 1.2 | 14 |
| 65 | Coronary autoregulation and assessment of stenosis severity without pharmacological vasodilation. European Heart Journal, 2018, 39, 4062-4071. | 1.0 | 30 |
| 66 | The year in cardiology 2017: coronary interventions. European Heart Journal, 2018, 39, 914-924. | 1.0 | 1 |
| 67 | Evaluation of the risk factors for ventricular arrhythmias secondary to QT prolongation induced by papaverine injection during coronary flow reserve studies using a 4ÂFr angio-catheter. Heart and Vessels, 2018, 33, 1358-1364. | 0.5 | 8 |
| 68 | Pooled diagnostic accuracy of resting distal to aortic coronary pressure referenced to fractional flow reserve: The importance of resting coronary physiology. Journal of Interventional Cardiology, 2018, 31, 588-598. | 0.5 | 6 |
| 70 | Influence of Microcirculatory Dysfunction on Angiography-Based Functional Assessment of Coronary Stenoses. JACC: Cardiovascular Interventions, 2018, 11, 741-753. | 1.1 | 90 |
| 71 | Pathophysiological coronary and microcirculatory flow alterations in aortic stenosis. Nature Reviews Cardiology, 2018, 15, 420-431. | 6.1 | 41 |
| 72 | Management of Left Main Coronary Artery Disease. Journal of the American Heart Association, 2018, 7, . | 1.6 | 57 |
| 73 | Left main coronary artery disease: pathophysiology, diagnosis, and treatment. Nature Reviews Cardiology, 2018, 15, 321-331. | 6.1 | 73 |
| 74 | Wire-Free and Adenosine-Free Fractional Flow Reserve Derived From the Angiogram. Circulation: Cardiovascular Imaging, 2018, 11, e007594. | 1.3 | 2 |
| 75 | Physiology-Guided Management of Serial Coronary Artery Disease. JAMA Cardiology, 2018, 3, 432. | 3.0 | 24 |
| 76 | A Perspective on Physiologic Assessment of Coronary Stenoses in Series. JAMA Cardiology, 2018, 3, 368. | 3.0 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 77 | CT Fractional Flow Reserve for Stable Coronary Artery Disease: The Ongoing Journey. Radiology, 2018, 287, 85-86. | 3.6 | 2 |
| 78 | Evaluation of Coronary Artery Stenosis by Quantitative Flow Ratio During Invasive Coronary Angiography. Circulation: Cardiovascular Imaging, 2018, 11, e007107. | 1.3 | 157 |
| 79 | A case report of the clinical effect of chronic total occlusion recanalization on the instantaneous wave-free ratio in the donor artery. European Heart Journal - Case Reports, 2018, 2, 1-4. | 0.3 | 2 |
| 80 | Invasive physiological indices to determine the functional significance of coronary stenosis. IJC Heart and Vasculature, 2018, 18, 39-45. | 0.6 | 6 |
| 81 | Past, Present and Future of Coronary Physiology. Revista Espanola De Cardiologia (English Ed ), 2018, 71, 656-667. | 0.4 | 7 |
| 82 | Assessing the left main stem in the cardiac catheterization laboratory. What is â€œsignificantâ€? Function, imaging or both?. Cardiovascular Revascularization Medicine, 2018, 19, 51-56. | 0.3 | 17 |
| 83 | The impact of tissue Doppler index E/eâ€² ratio on instantaneous wave-free ratio. Journal of Cardiology, 2018, 71, 237-243. | 0.8 | 9 |
| 84 | Resting P d/P a and haemodynamic relevance of coronary stenosis as evaluated by fractional flow reserve. Coronary Artery Disease, 2018, 29, 138-144. | 0.3 | 7 |
| 85 | Observations from a real-time, iFR-FFR â€œhybrid approachâ€•in patients with severe aortic stenosis and coronary artery disease undergoing TAVI. Cardiovascular Revascularization Medicine, 2018, 19, 355-359. | 0.3 | 26 |
| 86 | Invasive assessment of coronary artery disease. Journal of Nuclear Cardiology, 2018, 25, 860-871. | 1.4 | 12 |
| 88 | Clinical Quantification of Myocardial Blood Flow Using PET: Joint Position Paper of the SNMMI Cardiovascular Council and the ASNC. Journal of Nuclear Medicine, 2018, 59, 273-293. | 2.8 | 163 |
| 89 | Technical and diagnostic improvements in PCI: more pieces in the puzzle. Nature Reviews Cardiology, 2018, 15, 80-82. | 6.1 | 0 |
| 90 | A Practical Guide for Fractional Flow Reserve Guided Revascularisation. Heart Lung and Circulation, 2018, 27, 406-419. | 0.2 | 17 |
| 91 | Instantaneous wave-free ratio (iFRÂ®) to determine hemodynamically significant coronary stenosis: A comprehensive review. World Journal of Cardiology, 2018, 10, 267-277. | 0.5 | 7 |
| 92 | Simplifying the assessment of coronary artery stenosis by enhancing instantaneous wave free ratio. Cardiovascular Diagnosis and Therapy, 2018, 8, 156-163. | 0.7 | 2 |
| 93 | Protocol for the development of a CONSORT extension for RCTs using cohorts and routinely collected health data. Research Integrity and Peer Review, 2018, 3, 9. | 2.2 | 28 |
| 94 | Coronary Microvascular Disease Pathogenic Mechanisms and TherapeuticÂOptions. Journal of the American College of Cardiology, 2018, 72, 2625-2641. | 1.2 | 405 |
| 95 | CABG and PCIâ€”just as we said it!. Indian Journal of Thoracic and Cardiovascular Surgery, 2018, 34, 451-452. | 0.2 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 96 | Registro EspaÃ±ol de HemodinÃ¡mica y CardiologÃa Intervencionista. XXVII Informe Oficial de la SecciÃ³n de HemodinÃ¡mica y CardiologÃa Intervencionista de la Sociedad EspaÃ±ola de CardiologÃa (1990-2017). Revista Espanola De Cardiologia, 2018, 71, 1036-1046. | 0.6 | 44 |
| 97 | Validation of Resting Diastolic Pressure Ratio Calculated by a Novel Algorithm and Its Correlation With Distal Coronary Artery Pressure to Aortic Pressure, Instantaneous Waveâ€“Free Ratio, and Fractional Flow Reserve. Circulation: Cardiovascular Interventions, 2018, 11, e006911. | 1.4 | 39 |
| 98 | Revisiting the Optimal Fractional Flow Reserve and Instantaneous Wave-Free Ratio Thresholds for Predicting the Physiological Significance of Coronary Artery Disease. Circulation: Cardiovascular Interventions, 2018, 11, e007041. | 1.4 | 16 |
| 99 | Is Now the Time to Debate Traditional Fractional Flow Reserve/Instantaneous Wave-Free Ratio Cut Points?. Circulation: Cardiovascular Interventions, 2018, 11, e007562. | 1.4 | 2 |
| 100 | Circulus vitiosusof validation. European Heart Journal, 2018, 39, 4082-4085. | 1.0 | 4 |
| 101 | Fractional flow reserve, instantaneous wave-free ratio, and resting Pd/Pa compared with [15O]H2O positron emission tomography myocardial perfusion imaging: a PACIFIC trial sub-study. European Heart Journal, 2018, 39, 4072-4081. | 1.0 | 28 |
| 102 | Going Against the Flow. Circulation: Cardiovascular Interventions, 2018, 11, e007010. | 1.4 | 0 |
| 103 | Computational quantitative flow ratio to assess functional severity of coronary artery stenosis. International Journal of Cardiology, 2018, 271, 36-41. | 0.8 | 19 |
| 104 | Landmark Trials in Cardiology in 2017â€”Celebrating 40 Years of Angioplasty. International Journal of Angiology, 2018, 27, 167-173. | 0.2 | 4 |
| 105 | Spanish Cardiac Catheterization and Coronary Intervention Registry. 27th Official Report of the Spanish Society of Cardiology Working Group on Cardiac Catheterization and Interventional Cardiology (1990-2017). Revista Espanola De Cardiologia (English Ed ), 2018, 71, 1036-1046. | 0.4 | 6 |
| 106 | Functional assessment of coronary stenosis: an overview of available techniques. Is quantitative flow ratio a step to the future?. Expert Review of Cardiovascular Therapy, 2018, 16, 951-962. | 0.6 | 24 |
| 107 | Coronary pressure-derived parameters. Netherlands Heart Journal, 2018, 26, 375-376. | 0.3 | 0 |
| 108 | Quantitative flow ratio and instantaneous wave-free ratio for the assessment of the functional severity of intermediate coronary artery stenosis. Coronary Artery Disease, 2018, 29, 611-617. | 0.3 | 36 |
| 109 | Reclassification of Treatment Strategy With Instantaneous Wave-Free Ratio andÂFractional Flow Reserve. JACC: Cardiovascular Interventions, 2018, 11, 2084-2094. | 1.1 | 10 |
| 110 | Reclassification of Treatment Strategy by Routine Coronary Pressure Assessmentâ€”Episode 7 of the Saga. JACC: Cardiovascular Interventions, 2018, 11, 2095-2098. | 1.1 | 1 |
| 111 | Percutaneous Coronary Intervention in Familial Hypercholesterolemia Is Understudied. Frontiers in Cardiovascular Medicine, 2018, 5, 116. | 1.1 | 7 |
| 112 | Fractional Flow Reserve and Instantaneous Wave-Free Ratio for Nonculprit Stenosis in Patients With Acute Myocardial Infarction. JACC: Cardiovascular Interventions, 2018, 11, 1848-1858. | 1.1 | 28 |
| 113 | Angiographic co-registration of instantaneous wave-free ratio and intravascular ultrasound improves functional assessment of borderline lesions in the coronary artery. Postepy W Kardiologii Interwencyjnej, 2018, 14, 107-108. | 0.1 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 114 | Intravascular Ultrasoundâ€“Guided Percutaneous Coronary Intervention: An Updated Review. Cardiovascular Innovations and Applications, 2018, 3, . | 0.1 | 1 |
| 115 | Evolving Routine Standards in InvasiveÂHemodynamic Assessment of Coronary Stenosis. JACC: Cardiovascular Interventions, 2018, 11, 1482-1491. | 1.1 | 85 |
| 116 | Clinical outcomes of complete revascularization using either angiography-guided or fractional flow reserve-guided drug-eluting stent implantation in non-culprit vessels in ST elevation myocardial infarction patients: insights from a study based on a systematic review and meta-analysis. International Journal of Cardiovascular Imaging, 2018, 34, 1349-1364. | 0.7 | 6 |
| 117 | Synopsis of Clinical Coronary Physiology. , 2018, , 517-542. | | 0 |
| 118 | Coronary pressure (sometimes) liesâ€¦. Revista Portuguesa De Cardiologia, 2018, 37, 521-523. | 0.2 | 3 |
| 119 | Coronary pressure (sometimes) liesâ€¦. Revista Portuguesa De Cardiologia (English Edition), 2018, 37, 521-523. | 0.2 | 2 |
| 120 | Advances in Clinical Cardiology 2017: A Summary of Key Clinical Trials. Advances in Therapy, 2018, 35, 899-927. | 1.3 | 1 |
| 121 | FFR & iFR Beyond Stable Coronary Disease. Cardiovascular Revascularization Medicine, 2018, 19, 360-361. | 0.3 | 0 |
| 122 | Focused update of expert consensus statement: Use of invasive assessments of coronary physiology and structure: A position statement of the society of cardiac angiography and interventions. Catheterization and Cardiovascular Interventions, 2018, 92, 336-347. | 0.7 | 18 |
| 123 | Fractional flow reserve (FFR) as a guide to treat coronary artery disease. Expert Review of Cardiovascular Therapy, 2018, 16, 465-477. | 0.6 | 16 |
| 124 | SYNTAX II and SYNTAX III trials: what is the take home message for surgeons?. Annals of Cardiothoracic Surgery, 2018, 7, 470-482. | 0.6 | 17 |
| 125 | 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. JACC: Cardiovascular Interventions, 2018, 11, 1437-1449. | 1.1 | 111 |
| 126 | Value of Different Physiological Indexes to Defer Coronary Revascularization. JACC: Cardiovascular Interventions, 2018, 11, 1450-1453. | 1.1 | 5 |
| 127 | Sex Differences in Adenosine-Free Coronary Pressure Indexes. JACC: Cardiovascular Interventions, 2018, 11, 1454-1463. | 1.1 | 12 |
| 128 | Functional Approach for Coronary Artery Disease: Filling the Gap Between Evidence and Practice. Korean Circulation Journal, 2018, 48, 179. | 0.7 | 21 |
| 129 | Instantaneous wave-free ratio and fractional flow reserve in clinical practice. Netherlands Heart Journal, 2018, 26, 385-392. | 0.3 | 10 |
| 130 | Contrast Fractional Flow Reserve (cFFR): A pragmatic response to the call for simplification of invasive functional assessment. International Journal of Cardiology, 2018, 268, 45-50. | 0.8 | 6 |
| 131 | Diagnostic Performance of Inâ€Procedure Angiographyâ€Derived Quantitative Flow Reserve Compared to Pressureâ€Derived Fractional Flow Reserve: The FAVOR II Europeâ€Japan Study. Journal of the American Heart Association, 2018, 7, . | 1.6 | 240 |

| # | Article | IF | Citations |
|---|---|---|---|
| 132 | Moving from volume to value for revascularization in stable ischemic heart disease: A review. American Heart Journal, 2018, 204, 178-185. | 1.2 | 8 |
| 134 | Defining Staged Procedures for Percutaneous Coronary Intervention Trials. JACC: Cardiovascular Interventions, 2018, 11, 823-832. | 1.1 | 17 |
| 135 | Comparison of sodium nitroprusside and adenosine for fractional flow reserve assessment: a systematic review and meta-analysis. Expert Review of Cardiovascular Therapy, 2018, 16, 765-770. | 0.6 | 1 |
| 136 | Coronary Hemodynamics in Patients WithÂSevere Aortic Stenosis and Coronary Artery Disease Undergoing Transcatheter Aortic Valve Replacement. JACC: Cardiovascular Interventions, 2018, 11, 2019-2031. | 1.1 | 88 |
| 137 | Instantaneous Wave-Free Ratio forÂtheÂAssessment of Intermediate Coronary Artery Stenosis in Patients WithÂSevere Aortic Valve Stenosis. JACC: Cardiovascular Interventions, 2018, 11, 2032-2040. | 1.1 | 57 |
| 138 | The Interface Between Coronary Physiology and Severe Aortic Stenosis. JACC: Cardiovascular Interventions, 2018, 11, 2041-2043. | 1.1 | 1 |
| 139 | Comparative analysis of fractional flow reserve and instantaneous wave-free ratio: Results of a five-year registry. Revista Portuguesa De Cardiologia (English Edition), 2018, 37, 511-520. | 0.2 | 10 |
| 140 | Quantitative flow ratio derived from diagnostic coronary angiography in assessment of patients with intermediate coronary stenosis: a wire-free fractional flow reserve study. Clinical Research in Cardiology, 2018, 107, 858-867. | 1.5 | 21 |
| 141 | Intravenous regadenoson with aminophylline reversal is safe and equivalent to intravenous adenosine infusion for fractional flow reserve measurements. Clinical Cardiology, 2018, 41, 1348-1352. | 0.7 | 4 |
| 142 | AnÃ¡lise comparativa do fractional flow reserve (FFR) e do instantaneous waveâ€free ratio (iFR): resultados de um registo de 5 anos. Revista Portuguesa De Cardiologia, 2018, 37, 511-520. | 0.2 | 12 |
| 143 | Unmasking Myocardial Bridgeâ€"Related Ischemia by Intracoronary Functional Evaluation. Circulation: Cardiovascular Interventions, 2018, 11, e006247. | 1.4 | 51 |
| 144 | Pasado, presente y futuro de la fisiologÃa coronaria. Revista Espanola De Cardiologia, 2018, 71, 656-667. | 0.6 | 17 |
| 145 | 2018 ESC/EACTS Guidelines on myocardial revascularization. European Heart Journal, 2019, 40, 87-165. | 1.0 | 4,537 |
| 146 | 2018 ESC/EACTS Guidelines on myocardial revascularization. European Journal of Cardio-thoracic Surgery, 2019, 55, 4-90. | 0.6 | 402 |
| 147 | Diagnostic performance of on-site computed CT-fractional flow reserve based on fluid structure interactions: comparison with invasive fractional flow reserve and instantaneous wave-free ratio. European Heart Journal Cardiovascular Imaging, 2019, 20, 343-352. | 0.5 | 35 |
| 148 | Safer stress tests for myocardial perfusion imaging. Journal of Nuclear Cardiology, 2019, 26, 629-632. | 1.4 | 6 |
| 151 | Hemodynamic and Lesion Characteristics Associated with Discordance between the Instantaneous Wave-Free Ratio and Fractional Flow Reserve. Journal of Interventional Cardiology, 2019, 2019, 1-8. | 0.5 | 10 |
| 152 | Reliability of Instantaneous Wave-Free Ratio (iFR) for the Evaluation of Left Main Coronary Artery Lesions. Journal of Clinical Medicine, 2019, 8, 1143. | 1.0 | 15 |

| # | Article | IF | Citations |
|---|---|---|---|
| 154 | Comparison of Major Adverse Cardiac Events Between Instantaneous Wave-Free Ratio and Fractional Flow Reserveâ€“Guided Strategy in Patients With or Without Type 2 Diabetes. JAMA Cardiology, 2019, 4, 857. | 3.0 | 25 |
| 155 | Imaging of coronary flow capacity: is there a role for dynamic CT perfusion imaging?. European Journal of Nuclear Medicine and Molecular Imaging, 2019, 46, 1765-1767. | 3.3 | 2 |
| 156 | Temporal Changes in Coronary Hyperemic and Resting Hemodynamic Indices in Nonculprit Vessels of Patients With ST-Segment Elevation Myocardial Infarction. JAMA Cardiology, 2019, 4, 736. | 3.0 | 75 |
| 157 | Blinded Physiological Assessment of Residual Ischemia After Successful Angiographic Percutaneous CoronaryÂIntervention. JACC: Cardiovascular Interventions, 2019, 12, 1991-2001. | 1.1 | 147 |
| 158 | Sex Differences in Instantaneous Wave-Free Ratio or Fractional Flow Reserveâ€“Guided Revascularization Strategy. JACC: Cardiovascular Interventions, 2019, 12, 2035-2046. | 1.1 | 26 |
| 159 | Incremental Prognostic Value of Post-Intervention Pd/Pa in Patients Undergoing Ischemia-Driven Percutaneous Coronary Intervention. JACC: Cardiovascular Interventions, 2019, 12, 2002-2014. | 1.1 | 26 |
| 160 | Angiographically Guided Complete Revascularization Versus Selective Stress Echocardiographyâ€“Guided Revascularization in Patients With ST-Segmentâ€“Elevation Myocardial Infarction and Multivessel Disease. Circulation: Cardiovascular Interventions, 2019, 12, e007924. | 1.4 | 16 |
| 161 | Computational instantaneous waveâ€free ratio (IFR) for patientâ€specific coronary artery stenoses using 1D network models. International Journal for Numerical Methods in Biomedical Engineering, 2019, 35, e3255. | 1.0 | 20 |
| 163 | Fractional Flow Reserve: Does Sex Matter?. JACC: Cardiovascular Interventions, 2019, 12, 2047-2049. | 1.1 | 0 |
| 164 | Feasibility and Efficacy of the Jailed Pressure Wire Technique for Coronary Bifurcation Lesions. JACC: Cardiovascular Interventions, 2019, 12, 109-111. | 1.1 | 7 |
| 165 | Clinical Outcome of Lesions With Discordant Results Among Different Invasive Physiologic Indicesã€€â€• Resting Distal Coronary to Aortic Pressure Ratio, Resting Full-Cycle Ratio, Diastolic Pressure Ratio, Instantaneous Wave-Free Ratio, and Fractional Flow Reserve â€•. Circulation Journal, 2019, 83, 2210-2221. | 0.7 | 37 |
| 166 | Predictive Value of Resting Pd/Pa for Fractional Flow Reserve Assessed with Monorail Pressure Microcatheter in Real-World Practice. Cardiovascular Innovations and Applications, 2019, 4, . | 0.1 | 0 |
| 167 | The Importance of Measuring Coronary Blood Flow for Clinical Decision Making. Current Cardiology Reviews, 2019, 15, 320-321. | 0.6 | 1 |
| 168 | Assessment of coronary physiology â€“ the evidence and implications. Clinical Medicine, 2019, 19, 364-368. | 0.8 | 2 |
| 170 | Utility and Validity of Intracoronary Administration of Nicorandil Alone for the Measurement of Fractional Flow Reserve in Patients With Intermediate Coronary Stenosis. Circulation Journal, 2019, 83, 2010-2016. | 0.7 | 13 |
| 171 | Prognostic Relevance of Discordant Results Between Fractional Flow Reserve and Resting Indices. Circulation Journal, 2019, 83, 2203-2204. | 0.7 | 2 |
| 172 | Physiologic Characteristics and ClinicalÂOutcomes of Patients With Discordance Between FFR and iFR. JACC: Cardiovascular Interventions, 2019, 12, 2018-2031. | 1.1 | 56 |
| 173 | Was the Ball Inside or Outside the Court?. JACC: Cardiovascular Interventions, 2019, 12, 2089-2092. | 1.1 | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 174 | Clinical Implication of Quantitative Flow Ratio After Percutaneous Coronary Intervention for 3-Vessel Disease. JACC: Cardiovascular Interventions, 2019, 12, 2064-2075. | 1.1 | 71 |
| 175 | iFR or FFR. JACC: Cardiovascular Interventions, 2019, 12, 2032-2034. | 1.1 | 0 |
| 176 | Comparison of Current and Novel ECG-Independent Algorithms for Resting Pressure Derived Physiologic Indices. IEEE Access, 2019, 7, 144313-144323. | 2.6 | 1 |
| 177 | Clinical Events After Deferral of LADÂRevascularization Following PhysiologicalÂCoronaryÂAssessment. Journal of the American College of Cardiology, 2019, 73, 444-453. | 1.2 | 35 |
| 178 | Role of Postintervention Fractional Flow Reserve to Improve Procedural and Clinical Outcomes. Circulation, 2019, 139, 694-706. | 1.6 | 47 |
| 179 | Predictive factors of discordance between the instantaneous waveâ€free ratio and fractional flow reserve. Catheterization and Cardiovascular Interventions, 2019, 94, 356-363. | 0.7 | 49 |
| 180 | Angiography-Derived Fractional Flow Reserve in the SYNTAX II Trial. JACC: Cardiovascular Interventions, 2019, 12, 259-270. | 1.1 | 46 |
| 181 | Coronary Angiography With Pressure Wire and Fractional Flow Reserve. Deutsches Ärzteblatt International, 2019, 116, 205-211. | 0.6 | 10 |
| 182 | Changes in Resting Coronary Blood Flow During a Cardiac Catheterization Procedure - Implications for Use of Non-Hyperemic Pressure Ratios for Lesion Assessment. Cardiovascular Revascularization Medicine, 2019, 20, 636-637. | 0.3 | 0 |
| 183 | Applicability of quantitative flow ratio for rapid evaluation of intermediate coronary stenosis: comparison with instantaneous wave-free ratio in clinical practice. International Journal of Cardiovascular Imaging, 2019, 35, 1963-1969. | 0.7 | 14 |
| 184 | Clinical use of intracoronary imaging. Part 2: acute coronary syndromes, ambiguous coronary angiography findings, and guiding interventional decision-making: an expert consensus document of the European Association of Percutaneous Cardiovascular Interventions. European Heart Journal, 2019, 40, 2566-2584. | 1.0 | 189 |
| 185 | The year in cardiology 2018: ABC Cardiol and RPC at a glance. Revista Portuguesa De Cardiologia (English Edition), 2019, 38, 73-81. | 0.2 | 2 |
| 186 | The Influence of Aortic Valve Obstruction on the Hyperemic Intracoronary Physiology: Difference Between Resting Pd/Pa and FFR in Aortic Stenosis. Journal of Cardiovascular Translational Research, 2019, 12, 539-550. | 1.1 | 7 |
| 187 | Comparison of intracoronary versus intravenous adenosineâ€induced maximal hyperemia for fractional flow reserve measurement: A systematic review and metaâ€analysis. Catheterization and Cardiovascular Interventions, 2019, 94, 714-721. | 0.7 | 3 |
| 188 | Percutaneous Coronary Intervention and Coronary Artery Bypass Grafting for the Treatment of Left Main Coronary Artery Disease. Korean Circulation Journal, 2019, 49, 369. | 0.7 | 9 |
| 189 | Cardiovascular health technology assessment: recommendations to improve the quality of evidence. Open Heart, 2019, 6, e000930. | 0.9 | 1 |
| 190 | STAIR X. Stroke, 2019, 50, 1605-1611. | 1.0 | 5 |
| 192 | Comparison of resting and adenosine-free pressure indices with adenosine-induced hyperemic fractional flow reserve in intermediate coronary lesions. Indian Heart Journal, 2019, 71, 74-79. | 0.2 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 193 | Diastolic pressure ratio: new approach and validation vs. the instantaneous wave-free ratio. European Heart Journal, 2019, 40, 2585-2594. | 1.0 | 44 |
| 194 | Meta-Analysis of Diagnostic Performance of Instantaneous Wave-Free Ratio versus Quantitative Flow Ratio for Detecting the Functional Significance of Coronary Stenosis. BioMed Research International, 2019, 2019, 1-11. | 0.9 | 9 |
| 195 | Interventional Cardiology in the Cancer Patient. , 2019, , 1-20. | | 0 |
| 196 | Acute Coronary Syndrome, Thrombocytopenia, and Antiplatelet Therapy in Critically Ill Cancer Patients. , 2019, , 1-23. | | 0 |
| 197 | Hemodynamics and stroke risk in intracranial atherosclerotic disease. Annals of Neurology, 2019, 85, 752-764. | 2.8 | 65 |
| 198 | Physiology-Guided Management of Serial/Diffuse Coronary Artery Disease. Current Cardiology Reports, 2019, 21, 25. | 1.3 | 3 |
| 199 | Oneâ€'year clinical outcome of angiography, fractional flow reserve and instantaneous waveâ€'free ratio guided percutaneous coronary intervention: A PRISMAâ€'compliant metaâ€'analysis. Experimental and Therapeutic Medicine, 2019, 17, 1939-1951. | 0.8 | 2 |
| 200 | Pretreatment with P2Y12 receptor antagonists in ST-elevation myocardial infarction: a report from the Swedish Coronary Angiography and Angioplasty Registry. European Heart Journal, 2019, 40, 1202-1210. | 1.0 | 34 |
| 201 | O ano de 2018 em Cardiologia: uma visÃ£o geral da ABC Cardiol e RPC. Revista Portuguesa De Cardiologia, 2019, 38, 73-81. | 0.2 | 7 |
| 202 | Utility of Invasive and Non-invasive Cardiovascular Research Methodologies in Drug Development for Diabetes, Obesity and NAFLD/NASH. , 2019, , 275-308. | | 0 |
| 203 | Diagnostic performance of quantitative flow ratio in prospectively enrolled patients: An individual patientâ€data metaâ€analysis. Catheterization and Cardiovascular Interventions, 2019, 94, 693-701. | 0.7 | 79 |
| 204 | Diagnostic Agreement of Quantitative Flow Ratio With Fractional Flow Reserve and Instantaneous Waveâ€Free Ratio. Journal of the American Heart Association, 2019, 8, e011605. | 1.6 | 42 |
| 205 | Cardiac Catheterization in Assessment and Treatment of Kawasaki Disease in Children and Adolescents. Children, 2019, 6, 32. | 0.6 | 3 |
| 206 | Current and Emerging Technologies for Cardiovascular Imaging. Series in Bioengineering, 2019, , 13-59. | 0.3 | 0 |
| 207 | Effect of Coronary Anatomy and Myocardial Ischemia on Long-Term Survival in Patients with Stable Ischemic Heart Disease. Circulation: Cardiovascular Quality and Outcomes, 2019, 12, e005079. | 0.9 | 22 |
| 208 | Coronary Physiology in the Cardiac Catheterization Laboratory. Journal of Clinical Medicine, 2019, 8, 255. | 1.0 | 9 |
| 209 | Fractional flow reserve in acute coronary syndrome: a meta-analysis and systematic review. Open Heart, 2019, 6, e000934. | 0.9 | 25 |
| 210 | FFRâ€"Is It Reliable and Sufficient Tool in Stable Patients?. Indian Journal of Cardiovascular Disease in Women WINCARS, 2019, 04, 177-178. | 0.1 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 211 | Cardiac Interventional Procedures in Cardio-Oncology Patients. Cardiology Clinics, 2019, 37, 469-486. | 0.9 | 5 |
| 213 | The Role of Fractional Flow Reserve and Instantaneous Wave-Free Ratio Measurements in Patients with Acute Coronary Syndrome. Current Cardiology Reports, 2019, 21, 159. | 1.3 | 5 |
| 214 | 26 Spezielle Untersuchungsmethoden. , 2019, , . | | 0 |
| 215 | Fractional flow reserve-guided percutaneous coronary intervention vs. medical therapy for patients with stable coronary lesions: meta-analysis of individual patient data. European Heart Journal, 2019, 40, 180-186. | 1.0 | 159 |
| 216 | Relationship between coronary diastolic pressure indexes during the waveâ€free period and a novel pressureâ€derived index: Diastolic pressure ratio at the optimal point. Catheterization and Cardiovascular Interventions, 2019, 94, 348-355. | 0.7 | 0 |
| 217 | Resting Coronary Flow Varies With Normal Cardiac Catheter Laboratory Stimuli. Cardiovascular Revascularization Medicine, 2019, 20, 669-673. | 0.3 | 3 |
| 218 | When do we need clinical endpoint adjudication in clinical trials?. Upsala Journal of Medical Sciences, 2019, 124, 42-45. | 0.4 | 15 |
| 219 | Clinical use of physiological lesion assessment using pressure guidewires: an expert consensus document of the Japanese Association of Cardiovascular Intervention and Therapeutics. Cardiovascular Intervention and Therapeutics, 2019, 34, 85-96. | 1.2 | 33 |
| 220 | Coronary Artery Bypass Grafting Versus Percutaneous Transcatheter Coronary Interventions: Analysis of Outcomes in Myocardial Revascularization. Journal of Cardiothoracic and Vascular Anesthesia, 2019, 33, 2569-2588. | 0.6 | 2 |
| 221 | Automatic coronary blood flow computation: validation in quantitative flow ratio from coronary angiography. International Journal of Cardiovascular Imaging, 2019, 35, 587-595. | 0.7 | 16 |
| 222 | Physiological and Clinical Assessment of Resting Physiological Indexes. Circulation, 2019, 139, 889-900. | 1.6 | 90 |
| 223 | Planning percutaneous coronary interventions using computed tomography angiography and fractional flow reserveâ€derived from computed tomography: A stateâ€ofâ€theâ€art review. Catheterization and Cardiovascular Interventions, 2019, 93, 298-304. | 0.7 | 7 |
| 224 | Validation and comparison of nonâ€hyperemic pressure reserve to fractional flow reserve for assessment of coronary artery stenosis: A real world study. Catheterization and Cardiovascular Interventions, 2019, 93, 250-255. | 0.7 | 0 |
| 225 | Technical aspects and limitations of fractional flow reserve measurement. Acta Cardiologica, 2019, 74, 9-16. | 0.3 | 3 |
| 226 | Coronary circulation: Pressure/flow parameters for assessment of ischemic heart disease. Journal of Nuclear Cardiology, 2019, 26, 459-470. | 1.4 | 6 |
| 227 | Does fractional flow reserve overestimate severity of LAD lesions?. Journal of Nuclear Cardiology, 2020, 27, 1306-1313. | 1.4 | 7 |
| 228 | Functional disorders in non-culprit coronary arteries and their implications in patients with acute myocardial infarction. Trends in Cardiovascular Medicine, 2020, 30, 346-352. | 2.3 | 3 |
| 229 | Non-atherosclerotic causes of acute coronary syndromes. Nature Reviews Cardiology, 2020, 17, 229-241. | 6.1 | 43 |

| # | Article | IF | Citations |
|---|---|---|---|
| 230 | Instantaneous wave-free ratio-guided paclitaxel-coated balloon treatment for de novo coronary lesions. International Journal of Cardiovascular Imaging, 2020, 36, 179-185. | 0.7 | 3 |
| 231 | Adverse Plaque Characteristics Relate More Strongly With Hyperemic Fractional Flow Reserve and Instantaneous Wave-Free Ratio Than With Resting Instantaneous Wave-Free Ratio. JACC: Cardiovascular Imaging, 2020, 13, 746-756. | 2.3 | 27 |
| 232 | The inter-study reproducibility of instantaneous wave-free ratio and angiography coregistration. Journal of Cardiology, 2020, 75, 507-512. | 0.8 | 9 |
| 233 | Accuracy of computational pressure-fluid dynamics applied to coronary angiography to derive fractional flow reserve: FLASH FFR. Cardiovascular Research, 2020, 116, 1349-1356. | 1.8 | 68 |
| 234 | Correlation of machine learning computed tomography-based fractional flow reserve with instantaneous wave free ratio to detect hemodynamically significant coronary stenosis. Clinical Research in Cardiology, 2020, 109, 735-745. | 1.5 | 11 |
| 235 | Real world validation of the nonhyperemic index of coronary artery stenosis severityâ€"Resting fullâ€cycle ratioâ€"REâ€VALIDATE. Catheterization and Cardiovascular Interventions, 2020, 96, E53-E58. | 0.7 | 25 |
| 236 | Usefulness of Routine Fractional Flow Reserve for Clinical Management of Coronary Artery Disease in Patients With Diabetes. JAMA Cardiology, 2020, 5, 272. | 3.0 | 24 |
| 237 | Fractional Flow Reserve Derived from Computed Tomography Coronary Angiography in the Assessment and Management of Stable Chest Pain: Rationale and Design of the FORECAST Trial. Cardiovascular Revascularization Medicine, 2020, 21, 890-896. | 0.3 | 13 |
| 238 | Clinical usefulness of instantaneous wave-free ratio for the evaluation of coronary artery lesion with prior myocardial infarction: A multi-center study. IJC Heart and Vasculature, 2020, 26, 100431. | 0.6 | 2 |
| 239 | Risk stratification of coronary plaques using physiologic characteristics by CCTA: Focus on shear stress. Journal of Cardiovascular Computed Tomography, 2020, 14, 386-393. | 0.7 | 16 |
| 240 | Intravascular ultrasound or optical coherence tomography-defined anatomic severity and hemodynamic severity assessed by coronary physiologic indices. Revista Espanola De Cardiologia (English Ed ), 2020, 73, 812-821. | 0.4 | 6 |
| 241 | Comparison of quantitative flow ratio and fractional flow reserve with myocardial perfusion scintigraphy and cardiovascular magnetic resonance as reference standard. A Dan-NICAD substudy. International Journal of Cardiovascular Imaging, 2020, 36, 395-402. | 0.7 | 10 |
| 242 | Coronary CT angiography derived plaque markers correlated with invasive instantaneous flow reserve for detecting hemodynamically significant coronary stenoses. European Journal of Radiology, 2020, 122, 108744. | 1.2 | 8 |
| 243 | Coronary artery disease in lung transplant patients. Clinical Transplantation, 2020, 34, e14078. | 0.8 | 3 |
| 244 | Non-hyperaemic pressure ratios to guide percutaneous coronary intervention. Open Heart, 2020, 7, e001308. | 0.9 | 14 |
| 245 | Longâ€Term Clinical Outcomes of Nonhyperemic Pressure Ratios: Resting Fullâ€Cycle Ratio, Diastolic Pressure Ratio, and Instantaneous Waveâ€Free Ratio. Journal of the American Heart Association, 2020, 9, e016818. | 1.6 | 19 |
| 246 | Prognostic Implications of Post-Intervention Resting Pd/Pa and Fractional Flow Reserve in Patients With Stent Implantation. JACC: Cardiovascular Interventions, 2020, 13, 1920-1933. | 1.1 | 23 |
| 247 | Incremental prognostic value of coronary flow reserve determined by phase-contrast cine cardiovascular magnetic resonance of the coronary sinus in patients with diabetes mellitus. Journal of Cardiovascular Magnetic Resonance, 2020, 22, 73. | 1.6 | 16 |

| # | Article | IF | Citations |
|---|---|---|---|
| 248 | Nonhyperemic Pressure Ratios Versus Fractional Flow Reserve: What to Do With Discordant Results?. Journal of the American Heart Association, 2020, 9, e018344. | 1.6 | 1 |
| 249 | Association of Pretreatment With P2Y12 Receptor Antagonists Preceding Percutaneous Coronary Intervention in Nonâ€“ST-Segment Elevation Acute Coronary Syndromes With Outcomes. JAMA Network Open, 2020, 3, e2018735. | 2.8 | 48 |
| 250 | Coronary Physiology Assessment for the Diagnosis and Treatment of Coronary Artery Disease. Cardiology Clinics, 2020, 38, 575-588. | 0.9 | 5 |
| 251 | Spanish Cardiac Catheterization and Coronary Intervention Registry. 29th Official Report of the Interventional Cardiology Association of the Spanish Society of Cardiology (1990-2019). Revista Espanola De Cardiologia (English Ed ), 2020, 73, 927-936. | 0.4 | 6 |
| 252 | Management of multivessel coronary artery disease in patients with non-ST-elevation myocardial infarction: a complex path to precision medicine. Therapeutic Advances in Chronic Disease, 2020, 11, 204062232093852. | 1.1 | 19 |
| 254 | The assessment of intermediate coronary lesions using intracoronary imaging. Cardiovascular Diagnosis and Therapy, 2020, 10, 1445-1460. | 0.7 | 13 |
| 255 | Coronary Angiography-Derived Diastolic Pressure Ratio. Frontiers in Bioengineering and Biotechnology, 2020, 8, 596401. | 2.0 | 6 |
| 256 | Comparison of quantitative flow ratio, Pd/Pa and diastolic <scp>hyperemiaâ€free</scp> ratio versus fractional flow reserve in <scp>nonâ€culprit</scp> lesion of patients with non <scp>ST</scp>â€segment elevation myocardial infarction. Catheterization and Cardiovascular Interventions, 2021, 98, 1057-1065. | 0.7 | 17 |
| 257 | Association Between FFRCT and Instantaneous Wave-Free Ratio (iFR) of Intermediate Lesions on Coronary Computed Tomography Angiography. Cardiovascular Revascularization Medicine, 2021, 31, 57-60. | 0.3 | 2 |
| 258 | Gravedad de la enfermedad coronaria definida por ultrasonido intravascular o tomografÃa de coherencia Ã³ptica y su relaciÃ³n con los Ãndices fisiolÃ³gicos. Revista Espanola De Cardiologia, 2020, 73, 812-821. | 0.6 | 6 |
| 260 | Determinants and prognostic implications of instantaneous wave-free ratio in patients with mild to intermediate coronary stenosis: Comparison with those of fractional flow reserve. PLoS ONE, 2020, 15, e0237275. | 1.1 | 1 |
| 261 | Physiology and coronary artery disease: emerging insights from computed tomography imaging based computational modeling. International Journal of Cardiovascular Imaging, 2020, 36, 2319-2333. | 0.7 | 9 |
| 262 | The Impact of Coronary Physiology on Contemporary Clinical Decision Making. JACC: Cardiovascular Interventions, 2020, 13, 1617-1638. | 1.1 | 60 |
| 263 | Current Status, Perspectives, and Future Directions of Multivessel Disease and Left Main Coronary Disease: Its Treatment by PCI or Surgery. , 0, , . | | 0 |
| 264 | Revascularization Deferral of Nonculprit Stenoses on the Basis of Fractional Flow Reserve. JACC: Cardiovascular Interventions, 2020, 13, 1894-1903. | 1.1 | 31 |
| 265 | Comparison of diagnostic performance between quantitative flow ratio, non-hyperemic pressure indices and fractional flow reserve. Cardiovascular Diagnosis and Therapy, 2020, 10, 442-452. | 0.7 | 3 |
| 266 | Validation of novel 3â€dimensional quantitative coronary angiography based software to calculate fractional flow reserve post stenting. Catheterization and Cardiovascular Interventions, 2021, 98, 671-677. | 0.7 | 11 |
| 267 | Design and rationale of DUTCH-AF: a prospective nationwide registry programme and observational study on long-term oral antithrombotic treatment in patients with atrial fibrillation. BMJ Open, 2020, 10, e036220. | 0.8 | 7 |

| # | Article | IF | Citations |
|---|---|---|---|
| 268 | Agreement between nonculprit stenosis follow-up iFR and FFR after STEMI (iSTEMI substudy). BMC Research Notes, 2020, 13, 410. | 0.6 | 4 |
| 269 | Rate Pressure Products Affect the Relationship between the Fractional Flow Reserve and Instantaneous Wave-Free Ratio. Journal of Interventional Cardiology, 2020, 2020, 1-8. | 0.5 | 8 |
| 270 | Coronary Microvascular Dysfunction. Journal of Clinical Medicine, 2020, 9, 2880. | 1.0 | 167 |
| 271 | Invasive coronary physiology: aÂDutch tradition. Netherlands Heart Journal, 2020, 28, 99-107. | 0.3 | 1 |
| 273 | Correlation between Preoperative Coronary Artery Stenosis Severity Measured by Instantaneous Wave-Free Ratio and Intraoperative Transit Time Flow Measurement of Attached Grafts. Medicina (Lithuania), 2020, 56, 714. | 0.8 | 4 |
| 274 | Comparisons of Nonhyperemic PressureÂRatios. JACC: Cardiovascular Interventions, 2020, 13, 2688-2698. | 1.1 | 24 |
| 276 | Diagnostic performance of angiography-based quantitative flow ratio for the identification of myocardial ischemia as assessed by 13N-ammonia myocardial perfusion imaging positron emission tomography. International Journal of Cardiology, 2020, 314, 13-19. | 0.8 | 6 |
| 277 | Prognostic Value of Resting Distal-to-Aortic Coronary Pressure in Clinical Practice. Circulation: Cardiovascular Interventions, 2020, 13, e007868. | 1.4 | 4 |
| 278 | Relationship between adenosine A2a receptor polymorphism rs5751876 and fractional flow reserve during percutaneous coronary intervention. Heart and Vessels, 2020, 35, 1349-1359. | 0.5 | 2 |
| 279 | Utility of Imaging Modalities in Coronary Lesions With Borderline Fractional Flow Reserve. Cardiovascular Revascularization Medicine, 2020, 21, 1405-1410. | 0.3 | 1 |
| 280 | Non-hyperaemic coronary pressure measurements to guide coronary interventions. Nature Reviews Cardiology, 2020, 17, 629-640. | 6.1 | 18 |
| 281 | Improving outcomes of percutaneous coronary interventions in patients with stable ischemic heart disease. Journal of Thoracic Disease, 2020, 12, 1740-1749. | 0.6 | 2 |
| 282 | Recent advances in percutaneous coronary intervention. Heart, 2020, 106, 1380-1386. | 1.2 | 54 |
| 283 | Clinical feasibility of resting full-cycle ratio as a unique non-hyperemic index of invasive functional lesion assessment. Heart and Vessels, 2020, 35, 1518-1526. | 0.5 | 8 |
| 284 | Update on myocardial blood flow quantification by positron emission tomography. Revista Portuguesa De Cardiologia (English Edition), 2020, 39, 37-46. | 0.2 | 1 |
| 285 | After ISCHEMIA: is invasive physiology the only remaining gatekeeper for myocardial revascularization in chronic coronary syndromes?. Herz, 2020, 45, 453-457. | 0.4 | 1 |
| 286 | All Resting Physiological Indices May Not Be Equivalentâ€€â€• Comparison Between the Diastolic Pressure Ratio and Resting Full-Cycle Ratio â€•. Circulation Journal, 2020, 84, 1147-1154. | 0.7 | 11 |
| 287 | Cardiac Imagingâ€"Physiologic Assessment of Coronary Artery Lesion. Indian Journal of Cardiovascular Disease in Women WINCARS, 2020, 5, 65-75. | 0.1 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 288 | Additional Value of Machine-Learning Computed Tomographic Angiography-Based Fractional Flow Reserve Compared to Standard Computed Tomographic Angiography. Journal of Clinical Medicine, 2020, 9, 676. | 1.0 | 10 |
| 289 | Relationship between resting fullâ€cycle ratio and fractional flow reserve in assessments of coronary stenosis severity. Catheterization and Cardiovascular Interventions, 2020, 96, E432-E438. | 0.7 | 18 |
| 290 | QuantificaÃ§Ã£o do fluxo sanguÃneo miocÃ¡rdico por tomografia por emissÃ£o de positrÃµes â€“ AtualizaÃ§Ã£o. Revista Portuguesa De Cardiologia, 2020, 39, 37-46. | 0.2 | 1 |
| 291 | Coronary Magnetic Resonance Angiography. JACC: Cardiovascular Imaging, 2020, 13, 2653-2672. | 2.3 | 25 |
| 292 | Comparison of Machine Learning Computed Tomography-Based Fractional Flow Reserve and Coronary CT Angiography-Derived Plaque Characteristics with Invasive Resting Full-Cycle Ratio. Journal of Clinical Medicine, 2020, 9, 714. | 1.0 | 4 |
| 293 | Endpoint selection for noninferiority percutaneous coronary intervention trials: a methodological description. Therapeutic Advances in Cardiovascular Disease, 2020, 14, 175394472091132. | 1.0 | 2 |
| 294 | A global registry of fractional flow reserve (FFR)â€“guided management during routine care: Study design, baseline characteristics and outcomes of invasive management. Catheterization and Cardiovascular Interventions, 2020, 96, E423-E431. | 0.7 | 3 |
| 295 | Non-inferiority trials in cardiology: what clinicians need to know. Heart, 2020, 106, 99-104. | 1.2 | 24 |
| 296 | Bring back the notepads: Drawing as an underutilized approach to improving patient comprehension and recall. Patient Education and Counseling, 2020, 103, 1662-1663. | 1.0 | 0 |
| 297 | DFENet: Deep Feature Enhancement Network for Accurate Calculation of Instantaneous Wave-Free Ratio. IEEE Journal of Translational Engineering in Health and Medicine, 2020, 8, 1-11. | 2.2 | 1 |
| 298 | Instantaneous Wave-Free Ratio Measurement During Intracranial Submaximal Angioplasty: Case Series and 2-Dimensional Operative Video. Operative Neurosurgery, 2020, 19, 422-428. | 0.4 | 1 |
| 299 | Objective Identification of Intermediate Lesions Inducing Myocardial Ischemia Using Sequential Intracoronary Pressure and Flow Measurements. Journal of the American Heart Association, 2020, 9, e015559. | 1.6 | 5 |
| 300 | Instantaneous wave-free ratio cutoff values for nonculprit stenosis classification in patients with ST-segment elevation myocardial infarction (an iSTEMI substudy). Coronary Artery Disease, 2020, 31, 411-416. | 0.3 | 1 |
| 301 | The Clinical Significance of Physiological Assessment of Residual Ischemia After Percutaneous Coronary Intervention. Current Cardiology Reports, 2020, 22, 17. | 1.3 | 3 |
| 302 | Quantitative flow ratioâ€“guided strategy versus angiography-guided strategy for percutaneous coronary intervention: Rationale and design of the FAVOR III China trial. American Heart Journal, 2020, 223, 72-80. | 1.2 | 34 |
| 303 | Clinical quantitative cardiac imaging for the assessment of myocardial ischaemia. Nature Reviews Cardiology, 2020, 17, 427-450. | 6.1 | 94 |
| 304 | Impact of Sex Difference on the Discordance of Revascularization Decision Making Between Fractional Flow Reserve and Diastolic Pressure Ratio During the Waveâ€Free Period. Journal of the American Heart Association, 2020, 9, e014790. | 1.6 | 9 |
| 305 | Resting Full-Cycle Ratio (RFR) in the Assessment of Left Main Coronary Disease: Caution Required. Heart Lung and Circulation, 2020, 29, 1256-1259. | 0.2 | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 306 | Ischemic Heart Disease: An Update. Seminars in Nuclear Medicine, 2020, 50, 195-207. | 2.5 | 40 |
| 307 | Diagnostic performance of a vessel-length-based method to compute the instantaneous wave-free ratio in coronary arteries. Scientific Reports, 2020, 10, 1132. | 1.6 | 4 |
| 308 | How Do PET Myocardial Blood Flow Reserve and FFR Differ?. Current Cardiology Reports, 2020, 22, 20. | 1.3 | 9 |
| 309 | Prognostic implications of resting distal coronary-to-aortic pressure ratio compared with fractional flow reserve: aÂ10-year follow-up study after deferral of revascularisation. Netherlands Heart Journal, 2020, 28, 96-103. | 0.3 | 4 |
| 310 | Physiological Assessment of Coronary Lesions in 2020. Current Treatment Options in Cardiovascular Medicine, 2020, 22, 2. | 0.4 | 13 |
| 311 | Effect of QTU prolongation on hyperemic instantaneous wave-free ratio value: a prospective single-center study. Heart and Vessels, 2020, 35, 909-917. | 0.5 | 3 |
| 312 | Correlation between fractional flow reserve and instantaneous wave-free ratio with morphometric assessment by optical coherence tomography in diabetic patients. International Journal of Cardiovascular Imaging, 2020, 36, 1193-1201. | 0.7 | 6 |
| 313 | Assessment of coronary flow reserve in nuclear cardiology. Medecine Nucleaire, 2020, 44, 172-180. | 0.2 | 3 |
| 314 | Utility of Saline-Induced Resting Full-Cycle Ratio Compared with Resting Full-Cycle Ratio and Fractional Flow Reserve. Journal of Interventional Cardiology, 2020, 2020, 1-7. | 0.5 | 3 |
| 315 | Novel Indices of Coronary Physiology. Circulation: Cardiovascular Interventions, 2020, 13, e008487. | 1.4 | 44 |
| 316 | Coronary artery disease management and cost implications with fractional flow reserve guided coronary intervention in Indian patients with stable ischemic coronary artery disease. Catheterization and Cardiovascular Interventions, 2021, 97, 815-824. | 0.7 | 4 |
| 317 | Resting distal to aortic pressure ratio and fractional flow reserve discordance affects the diagnostic performance of quantitative flow ratio: Results from an individual patient data metaâ€analysis. Catheterization and Cardiovascular Interventions, 2021, 97, 825-832. | 0.7 | 1 |
| 318 | iFR uncovers profound but mostly reversible ischemia in CTOs and helps to optimize PCI results. Catheterization and Cardiovascular Interventions, 2021, 97, 646-655. | 0.7 | 7 |
| 319 | Determining the Suitability of Registries for Embedding Clinical Trials in the United States: A Project of the Clinical Trials Transformation Initiative. Therapeutic Innovation and Regulatory Science, 2021, 55, 6-18. | 0.8 | 13 |
| 320 | Utility of angiographyâ€“physiology coregistration maps during percutaneous coronary intervention in clinical practice. Cardiovascular Intervention and Therapeutics, 2021, 36, 208-218. | 1.2 | 13 |
| 321 | Longâ€term outcome after deferred revascularization due to negative fractional flow reserve in intermediate coronary lesions. Catheterization and Cardiovascular Interventions, 2021, 97, 247-256. | 0.7 | 6 |
| 323 | Instantaneous wave- free ratio for decision making in cardiac surgery, an important step in the right direction. International Journal of Cardiology, 2021, 326, 71-72. | 0.8 | 1 |
| 324 | A novel method for measuring absolute coronary blood flow and microvascular resistance in patients with ischaemic heart disease. Cardiovascular Research, 2021, 117, 1567-1577. | 1.8 | 32 |

| # | Article | IF | Citations |
|---|---|---|---|
| 325 | Clinical relevance and prognostic implications of contrast quantitative flow ratio in patients with coronary artery disease. International Journal of Cardiology, 2021, 325, 23-29. | 0.8 | 17 |
| 326 | Impact of instantaneous wave-free ratio on graft failure after coronary artery bypass graft surgery. International Journal of Cardiology, 2021, 324, 23-29. | 0.8 | 4 |
| 327 | Complete versus incomplete coronary revascularization: definitions, assessment and outcomes. Nature Reviews Cardiology, 2021, 18, 155-168. | 6.1 | 81 |
| 330 | Relation of Atrial Fibrillation to Angiographic Characteristics and Coronary Artery Disease Severity in Patients Undergoing Percutaneous Coronary Intervention. American Journal of Cardiology, 2021, 141, 1-6. | 0.7 | 5 |
| 331 | Use of intracoronary imaging to guide optimal percutaneous coronary intervention procedures and outcomes. Heart, 2021, 107, 755-764. | 1.2 | 10 |
| 332 | Plaque characteristics on coronary CT angiography associated with the positive findings of fractional flow reserve and instantaneous wave-free ratio. Heart and Vessels, 2021, 36, 461-471. | 0.5 | 0 |
| 333 | Predictors of discordance between fractional flow reserve and resting full-cycle ratio in patients with coronary artery disease: Evidence from clinical practice. Journal of Cardiology, 2021, 77, 313-319. | 0.8 | 17 |
| 334 | Borderline coronary lesion assessment with quantitative flow ratio and its relation to the instantaneous wave-free ratio. Advances in Medical Sciences, 2021, 66, 1-5. | 0.9 | 11 |
| 335 | Contrast fractional flow reserve vs adenosine fractional flow reserve: The impact of discordant results. International Journal of Cardiology, 2021, 328, 59-60. | 0.8 | 0 |
| 336 | Fractional flow reserve derived from coronary computed tomography: where are we now and where are we heading?. Future Cardiology, 2021, 17, 723-741. | 0.5 | 1 |
| 337 | Commentary: Fractional flow reserve for coronary artery bypass graft surgeryâ€"Not yet ready for prime time. JTCVS Open, 2021, 5, 80-82. | 0.2 | 0 |
| 338 | Effect of Sex Difference on Discordance Between Instantaneous Wave-Free Ratio and Fractional Flow Reserve. Cardiovascular Revascularization Medicine, 2021, 24, 57-64. | 0.3 | 5 |
| 339 | Impact of Age on the Functional Evaluation of Intermediate Coronary Stenoses With Instantaneous Wave-Free Ratio and Fractional Flow Reserve. Angiology, 2021, 72, 62-69. | 0.8 | 6 |
| 340 | 2020 ESC Guidelines for the management of acute coronary syndromes in patients presenting without persistent ST-segment elevation. European Heart Journal, 2021, 42, 1289-1367. | 1.0 | 3,048 |
| 341 | The impact of hydrostatic pressure on the result of physiological measurements in various coronary segments. International Journal of Cardiovascular Imaging, 2021, 37, 5-14. | 0.7 | 12 |
| 342 | Coronary physiology. , 2021, , 191-203. | | 0 |
| 343 | How to select patients requiring coronary revascularisation using coronary physiology. JRSM Cardiovascular Disease, 2021, 10, 204800402097947. | 0.4 | 0 |
| 344 | The reasons why fractional flow reserve and instantaneous wave-free ratio are similar using wave separation analysis. BMC Cardiovascular Disorders, 2021, 21, 48. | 0.7 | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 345 | Quantitative Flow Ratio. Journal of Coronary Artery Disease, 2021, 27, 18-26. | 0.1 | 0 |
| 346 | Independent predictors of discordance between the resting full-cycle ratio and fractional flow reserve. Heart and Vessels, 2021, 36, 790-798. | 0.5 | 18 |
| 347 | Effect of Elevated Left Ventricular End Diastolic Pressure on Instantaneous Wave-Free Ratio and Fractional Flow Reserve Discordance. Cardiology Research, 2021, 12, 117-125. | 0.5 | 1 |
| 348 | Instantaneous wave-free ratio guided multivessel revascularisation during percutaneous coronary intervention for acute myocardial infarction: study protocol of the randomised controlled iMODERN trial. BMJ Open, 2021, 11, e044035. | 0.8 | 4 |
| 349 | Medical and Revascularization Management of Stable Ischemic Heart Disease: An Overview. International Journal of Angiology, 2021, 30, 083-090. | 0.2 | 0 |
| 350 | Coronary Physiology: From Basic Concepts to FFR and iFR. , 2021, , 183-202. | | 0 |
| 351 | Functional Assessment of Coronary Artery Lesionsâ€"Old and New Kids on the Block. International Journal of Angiology, 2021, 30, 040-047. | 0.2 | 1 |
| 352 | Coronary <scp>angiographyâ€derived</scp> contrast fractional flow reserve. Catheterization and Cardiovascular Interventions, 2022, 99, 763-771. | 0.7 | 3 |
| 353 | Physiology-Based Revascularization of Left Main Coronary Artery Disease. Journal of Interventional Cardiology, 2021, 2021, 1-16. | 0.5 | 3 |
| 354 | Management of Culprit and Non-Culprit Lesions in Acute Coronary Syndrome. Journal of Interdisciplinary Medicine, 2021, 6, 32-36. | 0.1 | 1 |
| 355 | Slow and Steady May Not Win This Race!. Angiology, 2021, 72, 903-904. | 0.8 | 0 |
| 356 | Feasibility and diagnostic reliability of quantitative flow ratio in the assessment of non-culprit lesions in acute coronary syndrome. International Journal of Cardiovascular Imaging, 2021, 37, 1815-1823. | 0.7 | 13 |
| 357 | Safety of coronary revascularization deferral based on fractional flow reserve and instantaneous wave-free ratio in patients with chronic kidney disease. Cardiology Journal, 2022, 29, 553-562. | 0.5 | 2 |
| 358 | Quantitative flow ratio as a new tool for angiography-based physiological evaluation of coronary artery disease: a review. Future Cardiology, 2021, 17, 1435-1452. | 0.5 | 4 |
| 359 | Usefulness of the Hybrid RFR-FFR Approach: Results of a Prospective and Multicenter Analysis of Diagnostic Agreement between RFR and FFRâ€"The RECOPA (REsting Full-Cycle Ratio Comparation versus) Tj ETQq0 0 0 rgBT /Overlock 2021, 1-8. | 0.5 | 10 |
| 360 | JCS 2018 Guideline on Diagnosis of Chronic Coronary Heart Diseases. Circulation Journal, 2021, 85, 402-572. | 0.7 | 52 |
| 361 | Assessing the Accuracy of a Second-Generation Optical Sensor Pressure Wire in a Wire-to-Wire Comparison (The ACCURACY Study). Cardiovascular Revascularization Medicine, 2022, 35, 51-56. | 0.3 | 1 |
| 362 | Prognostic impact of FFR/contrast FFR discordance. International Journal of Cardiology, 2021, 327, 40-44. | 0.8 | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 363 | Aortic Valve Disease and Associated Complex CAD: The Interventional Approach. Journal of Clinical Medicine, 2021, 10, 946. | 1.0 | 5 |
| 364 | Relation between functional coronary artery stenosis and graft occlusion after coronary artery bypass grafting. Journal of Thoracic and Cardiovascular Surgery, 2021, 161, 1010-1018.e1. | 0.4 | 9 |
| 365 | Outcomes of Instantaneous Wave-Free Ratio versus Fractional Flow Reserve Guided Strategies for Coronary Revascularization in Patients with Acute Myocardial Infarction. The Egyptian Journal of Hospital Medicine, 2021, 83, 1195-1202. | 0.0 | 0 |
| 366 | The Evolution of Virtual Physiologic Assessments and Virtual Coronary Intervention to Optimize Revascularization. Current Cardiovascular Imaging Reports, 2021, 14, 1. | 0.4 | 0 |
| 367 | Anatomicalâ€functional discordance between quantitative coronary angiography and diastolic pressure ratio during waveâ€free period. Catheterization and Cardiovascular Interventions, 2022, 99, 348-356. | 0.7 | 1 |
| 368 | Immediate post-procedural functional assessment of percutaneous coronary intervention: current evidence and future directions. European Heart Journal, 2021, 42, 2695-2707. | 1.0 | 34 |
| 369 | The Diagnostic Accuracy of the Instantaneous Wave-Free Ratio. Angiology, 2021, 72, 693-693. | 0.8 | 0 |
| 370 | Contemporary Management of Isolated Ostial Side Branch Disease: An Evidence-based Approach to Medina 001 Bifurcations. Interventional Cardiology Review, 2021, 16, e06. | 0.7 | 7 |
| 371 | Optimising physiological endpoints of percutaneous coronary intervention. EuroIntervention, 2021, 16, e1470-e1483. | 1.4 | 5 |
| 372 | Deep learning for prediction of fractional flow reserve from resting coronary pressure curves. EuroIntervention, 2021, 17, 51-58. | 1.4 | 1 |
| 373 | The central role of invasive functional coronary assessment for patients with ischemic heart disease. International Journal of Cardiology, 2021, 331, 17-25. | 0.8 | 7 |
| 374 | TCT Connect 2020 Trial Update: FORECAST, COMBINE OCT-FFR and DEFINE-PCI. European Cardiology Review, 2021, 16, e22. | 0.7 | 0 |
| 375 | Invasive Coronary Physiology Assessment for Patients With Stable Coronary Disease. Cardiology in Review, 2022, 30, 263-266. | 0.6 | 3 |
| 376 | Impact of coronary stenting on top of medical therapy and of inclusion of periprocedural infarctions on hard composite endpoints in patients with chronic coronary syndromes: a meta-analysis of randomized controlled trials. Minerva Cardiology and Angiology, 2023, 71, . | 0.4 | 4 |
| 377 | Derivation and validation of Pd/Pa in the assessment of residual ischemia <scp>postâ€intervention</scp>: A prospective <scp>allâ€comer</scp> registry. Catheterization and Cardiovascular Interventions, 2022, 99, 714-722. | 0.7 | 3 |
| 378 | Longâ€term outcomes after deferral of revascularization of inâ€stent restenosis using fractional flow reserve. Catheterization and Cardiovascular Interventions, 2021, , . | 0.7 | 1 |
| 379 | Impact of target coronary artery stenosis severity measured by instantaneous wave-free ratio on to bypassed graft patency. Journal of Clinical Medicine of Kazakhstan, 2021, 18, 46-51. | 0.1 | 0 |
| 381 | Physiologic Assessment of Coronary Stenosis: Current Status and Future Directions. Current Cardiology Reports, 2021, 23, 88. | 1.3 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 382 | Correlation of Intravascular Ultrasound and Instantaneous Wave-Free Ratio in Patients With Intermediate Left Main Coronary Artery Disease. Circulation: Cardiovascular Interventions, 2021, 14, e009830. | 1.4 | 4 |
| 383 | A novel algorithm for the computation of the diastolic pressure ratio in the invasive assessment of the functional significance of coronary artery disease. Panminerva Medica, 2021, 63, 206-213. | 0.2 | 2 |
| 385 | Usefulness of a co-registration strategy with iFR in long and/or diffuse coronary lesions (iLARDI): study protocol. REC: Interventional Cardiology, 2021, , . | 0.0 | 0 |
| 386 | Instantaneous wave-free ratio-guided revascularization of non-culprit lesion in patients with ST-segment elevation myocardial infarction and multivessel coronary disease: design and rationale of the WAVE Registry. Minerva Cardiology and Angiology, 2021, 69, 291-298. | 0.4 | 2 |
| 387 | Diretrizes da Sociedade Brasileira de Cardiologia sobre Angina InstÃ¡vel e Infarto Agudo do MiocÃ¡rdio sem SupradesnÃvel do Segmento ST â€“ 2021. Arquivos Brasileiros De Cardiologia, 2021, 117, 181-264. | 0.3 | 45 |
| 388 | The stability of flow velocity and intracoronary resistance in the intracoronary electrocardiogram-triggered pressure ratio. Scientific Reports, 2021, 11, 13824. | 1.6 | 4 |
| 389 | FFR pressure wire comparative study: piezoresistive versus optical sensor. Acta Cardiologica, 2021, , 1-6. | 0.3 | 1 |
| 390 | Sex Differences in Intracoronary Imaging and Functional Evaluation of Coronary Arteries. Current Cardiovascular Imaging Reports, 2021, 14, 1. | 0.4 | 1 |
| 391 | Functionally Complete Coronary Revascularisation in Patients Presenting with ST-elevation MI and Multivessel Coronary Artery Disease. Interventional Cardiology Review, 2021, 16, e24. | 0.7 | 0 |
| 392 | Angiography-based estimation of coronary physiology: A frame is worth a thousand words. Trends in Cardiovascular Medicine, 2022, 32, 366-374. | 2.3 | 4 |
| 393 | Coronary Computed Tomographic Angiography for Complete Assessment of Coronary Artery Disease. Journal of the American College of Cardiology, 2021, 78, 713-736. | 1.2 | 66 |
| 394 | Adoption and patterns of use of invasive physiological assessment of coronary artery disease in a large cohort of 40 821 real-world procedures over a 12-year period. Revista Portuguesa De Cardiologia, 2021, , . | 0.2 | 11 |
| 395 | Serial changes in the quantitative flow ratio in patients with intermediate residual stenosis after percutaneous coronary intervention. Heart and Vessels, 2021, , 1. | 0.5 | 4 |
| 396 | Coronary lesion significance: Back to the angiogram, or beyond?. Trends in Cardiovascular Medicine, 2021, , . | 2.3 | 0 |
| 397 | Association of Echocardiographic Diastolic Dysfunction with Discordance of Invasive Intracoronary Pressure Indices. Journal of Clinical Medicine, 2021, 10, 3670. | 1.0 | 1 |
| 398 | Functional Assessment of Coronary Artery Disease by Myocardial Flow Reserve Versus Pressure-wire Based Assessment. Annals of Nuclear Cardiology, 2021, 7, 57-62. | 0.0 | 1 |
| 399 | Rise of the Machines: Where Virtual Processing Meets Percutaneous Coronary Intervention. Canadian Journal of Cardiology, 2021, 37, 1504-1506. | 0.8 | 0 |
| 400 | Three Technologies That Will Guide Revascularization of Chronic Coronary Syndrome Patients into the 21st Century: A Review. International Journal of Angiology, 2021, 30, 212-220. | 0.2 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 401 | Prognostic value of resting coronary sinus flow determined by phase-contrast cine cardiovascular magnetic resonance in patients with known or suspected coronary artery disease. Journal of Cardiovascular Magnetic Resonance, 2021, 23, 97. | 1.6 | 12 |
| 402 | Coronary Magnetic Resonance Angiography in Chronic Coronary Syndromes. Frontiers in Cardiovascular Medicine, 2021, 8, 682924. | 1.1 | 10 |
| 403 | We need intracoronary physiology guidance before percutaneous coronary intervention, but do we need it post-stenting?. European Heart Journal, 2021, 42, 4669-4670. | 1.0 | 4 |
| 404 | Diabetes mellitus and long-term safety of FFR and iFR-based coronary revascularization deferral. REC: Interventional Cardiology, 2022, , . | 0.0 | 1 |
| 405 | Invasive and non-invasive assessment of ischaemia in chronic coronary syndromes: translating pathophysiology to clinical practice. European Heart Journal, 2022, 43, 105-117. | 1.0 | 13 |
| 406 | Diastolic FFR Versus FFR. JACC Asia, 2021, 1, 242-244. | 0.5 | 0 |
| 407 | Non-invasive imaging software to assess the functional significance of coronary stenoses: a systematic review and economic evaluation. Health Technology Assessment, 2021, 25, 1-230. | 1.3 | 2 |
| 408 | Instantaneous wave-free ratio compared with fractional flow reserve in PCI: A cost-minimization analysis. International Journal of Cardiology, 2021, 344, 54-59. | 0.8 | 6 |
| 409 | Physiological assessment after percutaneous coronary intervention: the hard truth. Panminerva Medica, 2021, 63, . | 0.2 | 3 |
| 410 | Coronary physiology in clinical practice in Portugal: A problem of technology or a question of attitude?. Revista Portuguesa De Cardiologia, 2021, 40, 783-784. | 0.2 | 0 |
| 411 | Contrast FFR plus intracoronary injection of nitro-glycerine accurately predicts FFR for coronary stenosis functional assessment. Minerva Cardiology and Angiology, 2021, 69, 449-457. | 0.4 | 1 |
| 412 | Hyperemic versus non-hyperemic indexes for coronary physiology assessment in patients with severe aortic stenosis. Advances in Medical Sciences, 2021, 66, 366-371. | 0.9 | 4 |
| 413 | The role of coronary physiology in contemporary percutaneous coronary interventions.. Current Cardiology Reviews, 2021, 17, . | 0.6 | 3 |
| 414 | Understanding the Merits and Drawbacks of Noninferiority Trials in Cardiovascular Medicine. Canadian Journal of Cardiology, 2021, 37, 1378-1393. | 0.8 | 2 |
| 415 | Incremental Diagnostic Value of CT Fractional Flow Reserve Using Subtraction Method in Patients with Severe Calcification: A Pilot Study. Journal of Clinical Medicine, 2021, 10, 4398. | 1.0 | 4 |
| 416 | Computational Analysis of Haemodynamic Indices in Synthetic Atherosclerotic Coronary Netwroks. Mathematics, 2021, 9, 2221. | 1.1 | 5 |
| 417 | Would a Noninvasive Coronary Physiology Become a Standard and Popular Approach?. Korean Circulation Journal, 2021, 51, 140. | 0.7 | 0 |
| 418 | Acute Coronary Syndrome, Thrombocytopenia, and Antiplatelet Therapy in Critically Ill Cancer Patients. , 2020, , 711-732. | | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 419 | Safety of Revascularization Deferral of Left Main Stenosis Based on Instantaneous Wave-FreeÂRatio Evaluation. JACC: Cardiovascular Interventions, 2020, 13, 1655-1664. | 1.1 | 30 |
| 420 | Computed Tomography Coronary Plaque Characteristics Predict Ischemia Detected by Invasive Fractional Flow Reserve. Journal of Thoracic Imaging, 2020, Publish Ahead of Print, 360-366. | 0.8 | 6 |
| 421 | Using Contrast Motion to Generate Patient-Specific Blood Flow Simulations During Invasive Coronary Angiography. Journal of Biomechanical Engineering, 2020, 142, . | 0.6 | 3 |
| 422 | Comparison of Instantaneous Wave-Free Ratio (iFR) and Fractional Flow Reserve (FFR) with respect to Their Sensitivities to Cardiovascular Factors: A Computational Model-Based Study. Journal of Interventional Cardiology, 2020, 2020, 1-12. | 0.5 | 14 |
| 423 | Diagnostic Performance and Pressure Stability of a Novel Myocardial Ischemic Diagnostic Indexã€€â€• The Intracoronary-Electrocardiogram-Triggered Distal Pressure/Aortic Pressure Ratio â€•. Circulation Reports, 2020, 2, 665-673. | 0.4 | 2 |
| 424 | Assessing the Haemodynamic Impact of Coronary Artery Stenoses: Intracoronary Flow Versus Pressure Measurements. European Cardiology Review, 2018, 13, 46. | 0.7 | 10 |
| 425 | Coronary Physiology Derived from Invasive Angiography: Will it be a Game Changer?. Interventional Cardiology Review, 2020, 15, e06. | 0.7 | 6 |
| 426 | Present Status of Medical Radiation and Nuclear Cardiology Usage in Japan. Annals of Nuclear Cardiology, 2018, 4, 142-148. | 0.0 | 4 |
| 427 | Physiologic assessment of moderate coronary lesions: a step towards complete revascularization in coronary artery bypass grafting. Annals of Translational Medicine, 2018, 6, 300-300. | 0.7 | 7 |
| 428 | Cardiac CT perfusion and FFRCTA: pathophysiological features in ischemic heart disease. Cardiovascular Diagnosis and Therapy, 2020, 10, 1954-1978. | 0.7 | 15 |
| 429 | Assessing Coronary Blood Flow Physiology in the Cardiac Catheterisation Laboratory. Current Cardiology Reviews, 2017, 13, 232-243. | 0.6 | 15 |
| 430 | Contrast FFR plus intracoronary injection of nitroglycerine accurately predicts FFR for coronary stenosis functional assessment. Minerva Cardiology and Angiology, 0, , . | 0.4 | 1 |
| 431 | iFR-Messung: HÃmodynamische Relevanz von KoronarlÃsionen. , 0, , . | | 1 |
| 432 | Coronary Angiography-Derived Index of Microvascular Resistance. Frontiers in Physiology, 2020, 11, 605356. | 1.3 | 44 |
| 433 | cFFR as an alternative to FFR: does the contrast still need to be contrasted?. EuroIntervention, 2017, 12, e2278-e2279. | 1.4 | 2 |
| 434 | Physiological assessment of left main coronary artery disease. EuroIntervention, 2017, 13, 820-827. | 1.4 | 26 |
| 435 | State of the art: pressure wire and coronary functional assessment. EuroIntervention, 2017, 13, 666-679. | 1.4 | 15 |
| 436 | Physiologic evaluation of coronary lesions using instantaneous wave-free ratio (iFR) in patients with severe aortic stenosis undergoing transcatheter aortic valve implantation. EuroIntervention, 2018, 13, 1512-1519. | 1.4 | 62 |

| # | Article | IF | Citations |
|---|---|---|---|
| 437 | Association between fractional flow reserve, instantaneous wave-free ratio and dobutamine stress echocardiography in patients with stable coronary artery disease. EuroIntervention, 2018, 13, 1959-1966. | 1.4 | 6 |
| 438 | Saline-induced Pd/Pa ratio predicts functional significance of coronary stenosis assessed using fractional flow reserve. EuroIntervention, 2018, 14, 898-906. | 1.4 | 4 |
| 439 | Qualitative resting coronary pressure wave form analysis to predict fractional flow reserve. EuroIntervention, 2019, 14, e1601-e1608. | 1.4 | 3 |
| 440 | Validation of a novel non-hyperaemic index of coronary artery stenosis severity: the Resting Full-cycle Ratio (VALIDATE RFR) study. EuroIntervention, 2018, 14, 806-814. | 1.4 | 157 |
| 441 | The functional assessment of patients with non-obstructive coronary artery disease: expert review from an international microcirculation working group. EuroIntervention, 2019, 14, 1694-1702. | 1.4 | 32 |
| 442 | Continuous intracoronary versus standard intravenous infusion of adenosine for fractional flow reserve assessment: the HYPEREMIC trial. EuroIntervention, 2020, 16, 560-567. | 1.4 | 4 |
| 443 | The SYNTAX score on its way out or â€¦ towards artificial intelligence: part I. EuroIntervention, 2020, 16, 44-59. | 1.4 | 26 |
| 444 | Comparison of fractional flow reserve, instantaneous wave-free ratio and a novel technique for assessing coronary arteries with serial lesions. EuroIntervention, 2020, 16, 577-583. | 1.4 | 10 |
| 445 | Coronary physiological parameters at a crossroads. EuroIntervention, 2017, 13, e145-e148. | 1.4 | 1 |
| 446 | 2018 ESC/EACTS Guidelines on myocardial revascularization. EuroIntervention, 2019, 14, 1435-1534. | 1.4 | 367 |
| 447 | Clinical use of intracoronary imaging. Partâ€¯2: acute coronary syndromes, ambiguous coronary angiography findings, and guiding interventional decision-making: an expert consensus document of the European Association of Percutaneous Cardiovascular Interventions. EuroIntervention, 2019, 15, 434-451. | 1.4 | 35 |
| 448 | Predictors of fractional flow reserve/instantaneous wave-free ratio discordance. Journal of Cardiovascular Medicine, 2021, Publish Ahead of Print, 106-115. | 0.6 | 1 |
| 449 | Physiological Lesion Assessment in STEMI and Other Acute Coronary Syndromes. , 2018, , 197-210. | | 0 |
| 450 | How to deal with invasive ischemia detection. Journal of the Japanese Coronary Association, 2018, 24, 89-93. | 0.0 | 0 |
| 451 | Interventional cardiology: review of the year 2017. EuroIntervention, 2018, 13, 2083-2096. | 1.4 | 0 |
| 452 | iFR and FFR - present possibilities of establishing a functional significance of coronary stenosis. Intervencni A Akutni Kardiologie, 2018, 17, 62-65. | 0.0 | 0 |
| 453 | AvaliaÃ§Ã£o de Isquemia MiocÃ¡rdica na Sala de HemodinÃ¢mica com iFR Instantaneous Wave-Free Ratio: Estudo Piloto. Arquivos Brasileiros De Cardiologia, 2019, 114, 256-264. | 0.3 | 1 |
| 454 | The Year in Cardiology 2018: ABC Cardiol and RPC at a glance. Arquivos Brasileiros De Cardiologia, 2019, 112, 193-200. | 0.3 | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 455 | Intracoronary Hemodynamics. Contemporary Cardiology, 2019, , 351-362. | 0.0 | 0 |
| 456 | Clinical Outcomes Data for Instantaneous Wave-Free Ratio-Guided Percutaneous Coronary Intervention. Interventional Cardiology Clinics, 2019, 8, 121-129. | 0.2 | 2 |
| 457 | Consensus document for invasive coronary physiologic assessment in Asia-Pacific countries. Cardiology Journal, 2019, 26, 215-225. | 0.5 | 19 |
| 459 | A simplified formula to calculate fractional flow reserve in sequential lesions circumventing the measurement of coronary wedge pressure: The APIS-S pilot study. Cardiology Journal, 2019, 26, 310-321. | 0.5 | 3 |
| 460 | Interventional Cardiology in the Cancer Patient. , 2020, , 787-806. | | 0 |
| 461 | Myocardial perfusion imaging by single-photon emission tomography (MPI SPECT) versus Instantaneous wave-free ratio (IFR) for assessment of functional significance of intermediate coronary artery lesions. Egyptian Heart Journal, 2019, 71, 35. | 0.4 | 1 |
| 462 | Fractional Flow Reserve. , 2020, , 15-21. | | 0 |
| 463 | AvaliaÃ§Ã£o FisiolÃ³gica Invasiva: Do BinÃ¡rio ao ContÃnuo. Arquivos Brasileiros De Cardiologia, 2020, 114, 265-267. | 0.3 | 1 |
| 464 | "Allâ€'inâ€'one" concept of functional myocardial revascularization in the cathlab. Vnitrni Lekarstvi, 2020, 66, 152-159. | 0.1 | 0 |
| 465 | Functional myocardial revascularization. Intervencni A Akutni Kardiologie, 2020, 19, 39-46. | 0.0 | 2 |
| 466 | Stable coronary artery disease: Intervene or not?. Cleveland Clinic Journal of Medicine, 2020, 87, 410-415. | 0.6 | 2 |
| 467 | Optical coherence tomography and coronary revascularization: from indication to procedural optimization. Trends in Cardiovascular Medicine, 2023, 33, 92-106. | 2.3 | 9 |
| 468 | Is There Still a Place for Revascularisation in the Management of Stable Coronary Artery Disease Following the ISCHEMIA Trial?. Heart International, 2020, 14, 13. | 0.4 | 0 |
| 469 | Alternative methods for functional assessment of intermediate coronary lesions. Cardiology Journal, 2020, 27, 825-835. | 0.5 | 2 |
| 470 | Personalized Therapy of Cardiovascular Disorders. , 2021, , 279-316. | | 0 |
| 472 | Contrast medium Pd/Pa ratio in comparison to fractional flow reserve, quantitative flow ratio and instantaneous wave-free ratio for evaluation of intermediate coronary lesions. Postepy W Kardiologii Interwencyjnej, 2020, 16, 384-390. | 0.1 | 2 |
| 473 | Measurement of Instantaneous Wave-free Ratio through a Diagnostic Catheter: Comparison of the Results between 4Fr and 5Fr. Artery Research, 2020, 26, 143-147. | 0.3 | 0 |
| 474 | Coronary Stenosis Physiology and Novel Technologies. Rambam Maimonides Medical Journal, 2020, 11, e0012. | 0.4 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 475 | Angiographic quantitative flow ratio-guided coronary intervention (FAVOR III China): a multicentre, randomised, sham-controlled trial. Lancet, The, 2021, 398, 2149-2159. | 6.3 | 175 |
| 476 | Angiography-derived quantitative flow ratio guidance of coronary intervention: measure twice, cut once. Lancet, The, 2021, , . | 6.3 | 0 |
| 477 | Prediction of post-intervention fractional flow reserve in diffuse or sequential coronary stenosis considering the residual trans-stent pressure gradient. AsiaIntervention, 2020, 6, 34-42. | 0.1 | 0 |
| 478 | EvoluÃ§Ã£o Temporal da AnÃ¡lise de Resultados do Emprego do iFR. Arquivos Brasileiros De Cardiologia, 2020, 115, 719-719. | 0.3 | 0 |
| 479 | Stable Ischemic Heart Disease. , 2021, , 125-154. | | 0 |
| 480 | Cardiac Catheterization and Intervention. , 2021, , 191-222. | | 0 |
| 481 | Resting Coronary Physiology in StableÂCoronary Artery Disease. JACC: Cardiovascular Interventions, 2020, 13, 2699-2701. | 1.1 | 1 |
| 482 | Coronary physiology in clinical practice in Portugal: A problem of technology or a question of attitude?. Revista Portuguesa De Cardiologia (English Edition), 2021, 40, 783-784. | 0.2 | 0 |
| 483 | Adoption and patterns of use of invasive physiological assessment of coronary artery disease in a large cohort of 40 821 real-world procedures over a 12-year period. Revista Portuguesa De Cardiologia (English Edition), 2021, 40, 771-781. | 0.2 | 1 |
| 484 | Asimmetric uncertainties and account balance. Editorial to â€œInstantaneous wave-free ratio compared with fractional flow 2 reserve in PCI: A cost-minimization analysisâ€• International Journal of Cardiology, 2021, 347, 19-20. | 0.8 | 0 |
| 485 | Impact of physiologically diffuse versus focal pattern of coronary disease on quantitative flow reserve diagnostic accuracy. Catheterization and Cardiovascular Interventions, 2022, 99, 736-745. | 0.7 | 14 |
| 486 | Safety and efficacy of dual antiplatelet therapy after percutaneous coronary interventions in patients with end-stage liver disease. World Journal of Cardiology, 2021, 13, 599-607. | 0.5 | 5 |
| 487 | Utility of the oxygen pulse in the diagnosis of obstructive coronary artery disease in physically fit patients. Physiological Reports, 2021, 9, e15105. | 0.7 | 7 |
| 488 | Usefulness of Fractional Flow Reserve during Routine Clinical Procedures in All-Comer Coronary Artery Disease Patients. World Journal of Cardiovascular Diseases, 2021, 11, 509-522. | 0.0 | 1 |
| 489 | 2021 ACC/AHA/SCAI Guideline for Coronary Artery Revascularization. Journal of the American College of Cardiology, 2022, 79, e21-e129. | 1.2 | 561 |
| 490 | Chronisches Koronarsyndrom: Neudefinition der â€žstabilenâ€œ koronaren Herzerkrankung. , 0, , . | | 0 |
| 491 | Koronare Herzkrankheit: Aktuelle Aspekte der Behandlung. , 0, , . | | 0 |
| 492 | Differential Predictability for High-Risk Plaque Characteristics between Fractional Flow Reserve and Instantaneous Wave-Free Ratio. SSRN Electronic Journal, 0, , . | 0.4 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 494 | 1-Year Outcomes of Blinded Physiological Assessment of ResidualÂIschemia After Successful PCI. JACC: Cardiovascular Interventions, 2022, 15, 52-61. | 1.1 | 35 |
| 495 | JCS/JSCVS 2018 Guideline on Revascularization of Stable Coronary Artery Disease. Circulation Journal, 2022, 86, 477-588. | 0.7 | 38 |
| 496 | Correlation and Relative Prognostic Value of Fractional Flow Reserve and Pd/Pa of Nonculprit Lesions in ST-Segmentâ€"Elevation Myocardial Infarction. Circulation: Cardiovascular Interventions, 2022, 15, CIRCINTERVENTIONS121010796. | 1.4 | 2 |
| 497 | Functional Angioplasty: Definitions, Historical Overview, and Future Perspectives. Korean Circulation Journal, 2022, 52, 34. | 0.7 | 2 |
| 498 | Myocardial Microvascular Physiology in Acute and Chronic Coronary Syndromes, Aortic Stenosis, and Heart Failure. Journal of Interventional Cardiology, 2022, 2022, 1-7. | 0.5 | 0 |
| 499 | Application and interpretation of fractional flow reserve in heavily calcified coronary arteries. , 2022, , 61-69. | | 0 |
| 500 | Impact of coronary bifurcated vessels flow-diameter scaling laws on fractional flow reserve based on computed tomography images (FFRCT). Mathematical Biosciences and Engineering, 2022, 19, 3127-3146. | 1.0 | 1 |
| 501 | Association between patient age, microcirculation, and coronary stenosis assessment with fractional flow reserve and instantaneous waveâ€free ratio. Catheterization and Cardiovascular Interventions, 2022, 99, 1104-1114. | 0.7 | 3 |
| 502 | 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. Circulation, 2022, 145, CIR0000000000001038. | 1.6 | 177 |
| 503 | Physiologic guidance for percutaneous coronary intervention: State of the evidence. Trends in Cardiovascular Medicine, 2022, , . | 2.3 | 1 |
| 504 | Preprocedural transthoracic Doppler echocardiography to identify stenosis associated with increased coronary flow after revascularisation. Scientific Reports, 2022, 12, 1667. | 1.6 | 2 |
| 505 | Angiography-derived physiology guidance vs usual care in an All-comers PCI population treated with the healing-targeted supreme stent and Ticagrelor monotherapy: PIONEER IV trial design. American Heart Journal, 2022, 246, 32-43. | 1.2 | 1 |
| 506 | Diagnostic performance of intravascular ultrasoundâ€based fractional flow reserve versus angiographyâ€based quantitative flow ratio measurements for evaluating left main coronary artery stenosis. Catheterization and Cardiovascular Interventions, 2022, 99, 1403-1409. | 0.7 | 5 |
| 507 | Contemporary Management of Stable Coronary Artery Disease. High Blood Pressure and Cardiovascular Prevention, 2022, 29, 207-219. | 1.0 | 9 |
| 508 | Diagnostic performance of deep learning and computational fluid dynamics-based instantaneous wave-free ratio derived from computed tomography angiography. BMC Cardiovascular Disorders, 2022, 22, 33. | 0.7 | 0 |
| 509 | 1. Comprehensive Assessment of Ischemic Heart Disease. The Journal of the Japanese Society of Internal Medicine, 2021, 110, 196-203. | 0.0 | 0 |
| 511 | Prevalence of myocardial perfusion scintigraphy derived ischemia in coronary lesions with discordant fractional flow reserve and non-hyperemic pressure ratios. International Journal of Cardiology, 2022, 357, 20-25. | 0.8 | 3 |
| 512 | JCS 2022 Guideline Focused Update on Diagnosis and Treatment in Patients With Stable Coronary Artery Disease. Circulation Journal, 2022, 86, 882-915. | 0.7 | 37 |

| # | Article | IF | Citations |
|---|---|---|---|
| 513 | Functional CAD-RADS using FFRCT on therapeutic management and prognosis in patients with coronary artery disease. European Radiology, 2022, 32, 5210-5221. | 2.3 | 7 |
| 514 | Physiologic Lesion Assessment to Optimize Multivessel Disease. Current Cardiology Reports, 2022, , 1. | 1.3 | 2 |
| 515 | Pathophysiologic Basis and Diagnostic Approaches for Ischemia With Non-obstructive Coronary Arteries: A Literature Review. Frontiers in Cardiovascular Medicine, 2022, 9, 731059. | 1.1 | 8 |
| 516 | Factors associated with discordance between fractional flow reserve and resting full-cycle ratio. Journal of Cardiology, 2022, 80, 9-13. | 0.8 | 5 |
| 517 | 5-Year Outcomes of PCI Guided by Measurement of Instantaneous Wave-Free Ratio Versus Fractional FlowÂReserve. Journal of the American College of Cardiology, 2022, 79, 965-974. | 1.2 | 30 |
| 519 | Percutaneous Coronary Intervention forÂLeft Main Coronary Artery Disease. JACC Asia, 2022, 2, 119-138. | 0.5 | 17 |
| 520 | Calculation of Intracoronary Pressure-Based Indexes with JLabChart. Applied Sciences (Switzerland), 2022, 12, 3448. | 1.3 | 10 |
| 521 | Challenges in Diagnosis and Functional Assessment of Coronary Artery Disease in Patients With Severe Aortic Stenosis. Frontiers in Cardiovascular Medicine, 2022, 9, 849032. | 1.1 | 3 |
| 522 | When coronary imaging and physiology are discordant, how best to manage coronary lesions? An appraisal of the clinical evidence. Catheterization and Cardiovascular Interventions, 2022, , . | 0.7 | 1 |
| 523 | Atheroma or ischemia: which is more important for managing patients with stable chest pain?. Future Cardiology, 2022, 18, 417-429. | 0.5 | 1 |
| 524 | Fractional Flow Reserve: Patient Selection and Perspectives. Vascular Health and Risk Management, 2021, Volume 17, 817-831. | 1.0 | 4 |
| 525 | Comparison of Resting Full-Cycle Ratio and Fractional Flow Reserve in a German Real-World Cohort. Frontiers in Cardiovascular Medicine, 2021, 8, 744181. | 1.1 | 8 |
| 526 | Measure Twice, Cut Once: Adjunctive Physiology and Imaging in Left Main PCI. Current Cardiovascular Imaging Reports, 2021, 14, 1. | 0.4 | 0 |
| 527 | Interactions Between Morphological Plaque Characteristics and CoronaryÂPhysiology. JACC: Cardiovascular Imaging, 2022, 15, 1139-1151. | 2.3 | 19 |
| 528 | Instantaneous waveâ€free ratio for guiding treatment of nonculprit lesions in patients with acute coronary syndrome: A retrospective study. Catheterization and Cardiovascular Interventions, 2022, 99, 489-496. | 0.7 | 3 |
| 529 | Effect of Coronary Disease Characteristics on Prognostic Relevance of Residual Ischemia After Stent Implantation. Frontiers in Cardiovascular Medicine, 2021, 8, 696756. | 1.1 | 2 |
| 530 | PCI in Patients With Heart Failure: Current Evidence, Impact of Complete Revascularization, and Contemporary Techniques to Improve Outcomes. , 2022, 1, 100020. | | 5 |
| 531 | Feasibility and Comparison of Resting Full-Cycle Ratio and Computed Tomography Fractional Flow Reserve in Patients with Severe Aortic Valve Stenosis. Journal of Cardiovascular Development and Disease, 2022, 9, 116. | 0.8 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 532 | The prognostic value of angiography-based vessel fractional flow reserve after percutaneous coronary intervention: The FAST Outcome study. International Journal of Cardiology, 2022, 359, 14-19. | 0.8 | 8 |
| 533 | Coronary Flow Variations Following Percutaneous Coronary Intervention Affect Diastolic Nonhyperemic Pressure Ratios More Than the Whole Cycle Ratios. Journal of the American Heart Association, 2022, 11, e023554. | 1.6 | 2 |
| 534 | The Pivotal Role of Invasive Functional Assessment in Patients With Myocardial Infarction With Non-Obstructive Coronary Arteries (MINOCA). Frontiers in Cardiovascular Medicine, 2021, 8, 781485. | 1.1 | 7 |
| 535 | FFR pressure wire comparative study for drift: piezo resistive versus optical sensor.. American Journal of Cardiovascular Disease, 2022, 12, 42-52. | 0.5 | 0 |
| 537 | Case Report: Invasive and Non-invasive Hemodynamic Assessment of Coronary Artery Disease: Strengths and Weaknesses. Frontiers in Cardiovascular Medicine, 2022, 9, 885249. | 1.1 | 1 |
| 538 | Recent negative FFR trials: possible causes and consequences. Intervencni A Akutni Kardiologie, 2022, 21, 101-107. | 0.0 | 0 |
| 539 | Instantaneous wave free ratio value impact on left internal mammary artery graft patency. Perfusion (United Kingdom), 2022, , 026765912210998. | 0.5 | 0 |
| 540 | Fractional Flow Reserve Versus Instantaneous Waveâ€Free Ratio in Assessment of Lesion Hemodynamic Significance and Explanation of their Discrepancies. International, Multicenter and Prospective Trial: The FiGARO Study. Journal of the American Heart Association, 2022, 11, e021490. | 1.6 | 11 |
| 542 | Understanding Fractional Flow Reserve/Instantaneous Waveâ€Free Ratio Discordance Can Provide Coronary Clarity. Journal of the American Heart Association, 2022, 11, e026118. | 1.6 | 1 |
| 543 | Clinical use of physiological lesion assessment using pressure guidewires: an expert consensus document of the Japanese association of cardiovascular intervention and therapeuticsâ€"update 2022. Cardiovascular Intervention and Therapeutics, 2022, 37, 425-439. | 1.2 | 19 |
| 545 | Diagnostic performance of quantitative flow ratio, non-hyperaemic pressure indices and fractional flow reserve for the assessment of coronary lesions in severe aortic stenosis. Cardiovascular Diagnosis and Therapy, 2021, . | 0.7 | 0 |
| 546 | Agreement between Murray law-based quantitative flow ratio (Î¼QFR) and three-dimensional quantitative flow ratio (3D-QFR) in non-selected angiographic stenosis: A multicenter study. Cardiology Journal, 2022, 29, 388-395. | 0.5 | 7 |
| 547 | Development of deep learning segmentation models for coronary X-ray angiography: Quality assessment by a new global segmentation score and comparison with human performance. Revista Portuguesa De Cardiologia, 2022, , . | 0.2 | 6 |
| 548 | Diagnostic performance of quantitative flow ratio versus fractional flow reserve and resting full-cycle ratio in intermediate coronary lesions. International Journal of Cardiology, 2022, 362, 59-67. | 0.8 | 9 |
| 549 | When to Achieve Complete Revascularization in Infarct-Related Cardiogenic Shock. Journal of Clinical Medicine, 2022, 11, 3116. | 1.0 | 6 |
| 550 | A modified method of noninvasive computed tomography derived fractional flow reserve based on the microvascular growth space. Computer Methods and Programs in Biomedicine, 2022, 221, 106926. | 2.6 | 3 |
| 551 | Comparison of adenosineâ€independent pressure indices to fractional flow reserve in stentâ€jailed bifurcation side branches. Catheterization and Cardiovascular Interventions, 0, , . | 0.7 | 0 |
| 552 | Physiological Approach for CoronaryÂArtery Bifurcation Disease. JACC: Cardiovascular Interventions, 2022, 15, 1297-1309. | 1.1 | 8 |

| # | Article | IF | Citations |
|---|---|---|---|
| 553 | Impact of post physiological assessment after treatment for de novo coronary lesions using drug-coated balloons. International Journal of Cardiology, 2022, 363, 11-19. | 0.8 | 2 |
| 554 | Percutaneous Coronary Intervention in Multi-Vessel Disease. Cardiovascular Revascularization Medicine, 2022, 44, 80-91. | 0.3 | 8 |
| 555 | Coronary physiological assessment in the catheter laboratory: haemodynamics, clinical assessment and future perspectives. Heart, 2022, 108, 1737-1746. | 1.2 | 7 |
| 556 | Clinical registries data quality attributes to support registry-based randomised controlled trials: A scoping review. Contemporary Clinical Trials, 2022, 119, 106843. | 0.8 | 12 |
| 557 | Prognosis and Medical Cost of Measuring Fractional Flow Reserve in Percutaneous Coronary Intervention. JACC Asia, 2022, 2, 590-603. | 0.5 | 6 |
| 558 | Comparison of Characteristics and Outcomes of Veterans With Stable Ischemic Heart Disease Enrolled in the COURAGE Trial Versus the Veterans Affairs Clinical Assessment, Reporting, and Tracking Program. American Journal of Cardiology, 2022, , . | 0.7 | 0 |
| 559 | Instantaneous waveâ€free ratioâ€guided revascularization of nonculprit lesions in STEMI patients with multivessel coronary disease: The WAVE registry. Catheterization and Cardiovascular Interventions, 0, , . | 0.7 | 2 |
| 560 | Noninvasive computed tomography derived fractional flow reserve simulation based on microvascular tree model reconstruction. International Journal for Numerical Methods in Biomedical Engineering, 0, , . | 1.0 | 1 |
| 561 | Differential Impact of Renal Function on the Diagnostic Performance of Resting Full-Cycle Ratio in Patients With Renal Dysfunction. Circulation Reports, 2022, , . | 0.4 | 0 |
| 562 | Predictive value of post-percutaneous coronary intervention fractional flow reserve: a systematic review and meta-analysis. European Heart Journal Quality of Care & Clinical Outcomes, 0, , . | 1.8 | 3 |
| 563 | Coronary functional assessment in non-obstructive coronary artery disease: Present situation and future direction. Frontiers in Cardiovascular Medicine, 0, 9, . | 1.1 | 7 |
| 564 | Resposta para: Preditores de doenÃ§a arterial coronÃ¡ria em sobreviventes Ã parada cardÃaca: angiografia coronÃ¡ria para todos? Uma anÃ¡lise retrospectiva em centro Ãºnico. Revista Brasileira De Terapia Intensiva, 2022, 34, . | 0.1 | 0 |
| 565 | Discordance between fractional flow reserve and instantaneous wave-free ratio in patients with severe aortic stenosis: A retrospective cohort study. Journal of Cardiology, 2023, 81, 138-143. | 0.8 | 0 |
| 566 | Evolving concepts of the vulnerable atherosclerotic plaque and the vulnerable patient: implications for patient care and future research. Nature Reviews Cardiology, 2023, 20, 181-196. | 6.1 | 28 |
| 567 | 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. Frontiers in Cardiovascular Medicine, 0, 9, . | 1.1 | 1 |
| 568 | Instantaneous Wave-Free Ratio for the Assessment of Intermediate Left Main Coronary Artery Stenosis: Correlations With Fractional Flow Reserve/Intravascular Ultrasound and Prognostic Implications: The iLITRO-EPIC07 Study. Circulation: Cardiovascular Interventions, 2022, 15, 861-871. | 1.4 | 6 |
| 569 | Left Main Disease. Interventional Cardiology Clinics, 2022, , . | 0.2 | 2 |
| 571 | Chinese Guideline for Percutaneous Coronary Intervention in Patients with Left Main Bifurcation Disease. , 2022, 2, 134-144. | | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 572 | Does Diabetes Affect Angiographically Derived (QFR) Translesional Physiology?. Journal of the American College of Cardiology, 2022, 80, 1265-1267. | 1.2 | 0 |
| 573 | Is the world ready for the STICH 3.0 trial?. Current Opinion in Cardiology, 2022, 37, 474-480. | 0.8 | 4 |
| 574 | Left Main Coronary Artery Diseaseâ€"Current Management and Future Perspectives. Journal of Clinical Medicine, 2022, 11, 5745. | 1.0 | 7 |
| 575 | Anatomical and Functional Discrepancy in Diabetic Patients With Intermediate Coronary Lesionsã€€â€• An Intravascular Ultrasound and Quantitative Flow Ratio Study â€•. Circulation Journal, 2022, , . | 0.7 | 0 |
| 576 | Non-hyperaemic assessment of coronary ischaemia: application of machine learning techniques. European Heart Journal Digital Health, 0, , . | 0.7 | 0 |
| 577 | Fractional Flow Reserve or Intravascular Ultrasonography to Guide PCI. New England Journal of Medicine, 2022, 387, 779-789. | 13.9 | 45 |
| 578 | Quantitative Flow Ratio and Virtual Percutaneous Coronary Intervention for Serial Coronary Stenoses: Attractive Technology, But Still Crawling. Journal of the American Heart Association, 2022, 11, . | 1.6 | 1 |
| 579 | Clinical assessment of resting full-cycle ratio and fractional flow reserve for coronary artery disease in a real-world cohort. Frontiers in Cardiovascular Medicine, 0, 9, . | 1.1 | 1 |
| 580 | Complete Versus Incomplete Percutaneous Coronary Intervention-Mediated Revascularization in Patients With Chronic Coronary Syndromes. Cardiovascular Revascularization Medicine, 2023, 47, 86-92. | 0.3 | 0 |
| 581 | Comparison of Six Different Percutaneous Coronary Intervention Guidance Modalities. Journal of Cardiovascular Development and Disease, 2022, 9, 343. | 0.8 | 1 |
| 582 | Is Coronary Physiology Assessment Valid in Special Circumstances?. Interventional Cardiology Clinics, 2023, 12, 21-29. | 0.2 | 0 |
| 583 | Deep learning-based prediction of coronary artery stenosis resistance. American Journal of Physiology - Heart and Circulatory Physiology, 2022, 323, H1194-H1205. | 1.5 | 6 |
| 584 | Physiologic Assessment After Percutaneous Coronary Interventions and Functionally Optimized Revascularization. Interventional Cardiology Clinics, 2023, 12, 55-69. | 0.2 | 0 |
| 585 | Myocardial mass affects diagnostic performance of non-hyperemic pressure-derived indexes in the assessment of coronary stenosis. International Journal of Cardiology, 2023, 370, 84-89. | 0.8 | 2 |
| 586 | Understanding the Basis for Hyperemic and Nonhyperemic Coronary Pressure Assessment. Interventional Cardiology Clinics, 2023, 12, 1-12. | 0.2 | 0 |
| 587 | Nonhyperemic Pressure Ratiosâ€"All the Same or Nuanced Differences?. Interventional Cardiology Clinics, 2023, 12, 13-19. | 0.2 | 0 |
| 588 | Using Physiology Pullback for Percutaneous Coronary Intervention Guidance. Interventional Cardiology Clinics, 2023, 12, 41-53. | 0.2 | 0 |
| 589 | Coronary Physiology as Part of a State-of-the-Art Percutaneous Coronary Intervention Strategy. Interventional Cardiology Clinics, 2023, 12, 141-153. | 0.2 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 590 | Anomalous Coronary Arteries. Cardiology Clinics, 2023, 41, 51-69. | 0.9 | 6 |
| 591 | Coronary physiology in the catheterisation laboratory: an A to Z practical guide. AsiaIntervention, 2022, 8, 86-109. | 0.1 | 7 |
| 592 | Trans-Stent FFR Gradient as a Modifiable Integrant in Predicting Long-Term Target Vessel Failure. JACC: Cardiovascular Interventions, 2022, 15, 2192-2202. | 1.1 | 5 |
| 593 | Functional Patterns of Coronary Disease. JACC: Cardiovascular Interventions, 2022, 15, 2174-2191. | 1.1 | 14 |
| 594 | Combined use of hyperemic and non-hyperemic pressure ratios for revascularization decision-making: From the ILIAS registry. International Journal of Cardiology, 2023, 370, 105-111. | 0.8 | 5 |
| 595 | Performance and 12-month Outcomes of a Wire-free Fractional Flow Reserve System for Assessment of Coronary Artery Disease. , 0, 1, . | | 0 |
| 596 | Impact of Functional vs Anatomic Complete Revascularization in Coronary Artery Bypass Grafting. Annals of Thoracic Surgery, 2023, 115, 905-912. | 0.7 | 9 |
| 597 | Current status of adult cardiac surgeryâ€"Part 1. Current Problems in Surgery, 2022, 59, 101246. | 0.6 | 0 |
| 598 | Shape and Flow Sensing in Arterial Image Guidance From UV Exposed Optical Fibers Based on Spatio-Temporal Networks. IEEE Transactions on Biomedical Engineering, 2023, 70, 1692-1703. | 2.5 | 2 |
| 599 | Rationale and design of BROKEN-SWEDEHEART: a registry-based, randomized, parallel, open-label multicenter trial to test pharmacological treatments for broken heart (takotsubo) syndrome. American Heart Journal, 2023, 257, 33-40. | 1.2 | 9 |
| 600 | Impact of coronary disease patterns, anatomical factors, micro-vascular disease and non-coronary cardiac factors on invasive coronary physiology. American Heart Journal, 2023, 257, 51-61. | 1.2 | 2 |
| 601 | Jailed pressure wire technique for coronary bifurcation lesions: structural damage and clinical outcomes. Revista Espanola De Cardiologia (English Ed ), 2022, , . | 0.4 | 0 |
| 602 | TÃ¶bbszÃ¶rÃ¶s coronarialaesiÃ³k Ã©s diffÃºz coronariabetegsÃ©g funkcionÃ¡lis Ã©rtÃ©kelÃ©se. Orvosi Hetilap, 2022, 163, 1902-1908. | 0.1 | 1 |
| 603 | Novel Method to Detect Pitfalls of Intracoronary Pressure Measurements by Pressure Waveform Analysis. Journal of Personalized Medicine, 2022, 12, 2035. | 1.1 | 0 |
| 604 | Prognostic impact of resting full-cycle ratio and diastolic non-hyperemic pressure ratios in patients with deferred revascularization. Clinical Research in Cardiology, 2023, 112, 1220-1230. | 1.5 | 2 |
| 606 | Potential value of saline-induced Pd/Pa ratio in patients with coronary artery stenosis. Frontiers in Cardiovascular Medicine, 0, 9, . | 1.1 | 0 |
| 607 | Data simulation to forecast the outcomes of the FAVOR III China trial. Journal of Evidence-Based Medicine, 0, , . | 0.7 | 0 |
| 608 | The current state of the problem of myocardial bridges. Translational Medicine, 2023, 9, 20-32. | 0.1 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 609 | Comparative study of fractional flow reserve and diastolic pressure ratio using a guidewire with a sensor for measuring intravascular pressure. Medicine (United States), 2022, 101, e32578. | 0.4 | 0 |
| 610 | Culprit versus Complete Revascularization during the Initial Intervention in Patients with Acute Coronary Syndrome Using a Virtual Treatment Planning Tool: Results of a Single-Center Pilot Study. Medicina (Lithuania), 2023, 59, 270. | 0.8 | 1 |
| 611 | Myocardial Revascularization in Stable Coronary Artery Disease in Patients with and without Diabetes. Journal of Advances in Medicine and Medical Research, 0, , 38-47. | 0.1 | 0 |
| 612 | Comparison of vessel fractional flow reserve with invasive resting full-cycle ratio in patients with intermediate coronary lesions. International Journal of Cardiology, 2023, , . | 0.8 | 1 |
| 613 | Intravascular Imaging-Based Physiologic Assessment. Interventional Cardiology Clinics, 2023, 12, 289-298. | 0.2 | 0 |
| 614 | Fractional flow reserve or 3D-quantitative-coronary-angiography based vessel-FFR guided revascularization. Rationale and study design of the prospective randomized fast III trial. American Heart Journal, 2023, 260, 1-8. | 1.2 | 2 |
| 615 | Clinical Outcome of Revascularization Deferral With Instantaneous Waveâ€Free Ratio and Fractional Flow Reserve: A 5â€Year Followâ€Up Substudy From the iFRâ€SWEDEHEART Trial. Journal of the American Heart Association, 2023, 12, . | 1.6 | 4 |
| 616 | Changes in the treatment strategy following intracoronary pressure wire in a contemporaneous real-life cohort of patients with intermediate coronary stenosis. Results from a nationwide registry. Cardiovascular Revascularization Medicine, 2023, , . | 0.3 | 1 |
| 617 | Physiologic Assessment of Coronary Artery Disease: Past, Present and Future. , 2023, 2, 66. | | 0 |
| 618 | Advances in Diagnosis, Therapy, and Prognosis of Coronary Artery Disease Powered by Deep Learning Algorithms. JACC Asia, 2023, 3, 1-14. | 0.5 | 4 |
| 619 | How to Apply Physiology-Guided Percutaneous Coronary Intervention Optimization?: Theory and Practice. , 0, 2, . | | 0 |
| 620 | Decision making in anomalous aortic origin of a coronary artery. Expert Review of Cardiovascular Therapy, 2023, 21, 177-191. | 0.6 | 4 |
| 621 | Percutaneous Coronary Intervention Versus Coronary Artery Bypass Grafting for Revascularization of Left Main Coronary Artery Disease. Korean Circulation Journal, 2023, 53, 113. | 0.7 | 0 |
| 622 | Functional testing in coronary bypass grafts. Cardiologia Croatica, 2023, 18, 78-78. | 0.0 | 0 |
| 623 | Effect of 320-Row Computed Tomography Acquisition Technology on Coronary Computed Tomography Angiographyâ€“Derived Fractional Flow Reserve Based on Machine Learning: Systolic and Diastolic Scan Acquisition. Journal of Computer Assisted Tomography, 2023, 47, 205-211. | 0.5 | 0 |
| 624 | Anomalous Aortic Origin of the Right Coronary Artery: Invasive Haemodynamic Assessment in Adult Patients With High-Risk Anatomic Features. , 2023, 2, 124-133. | | 0 |
| 625 | Quantitative flow ratio vs. angiography-only guided PCI in STEMI patients: one-year cardiovascular outcomes. BMC Cardiovascular Disorders, 2023, 23, . | 0.7 | 4 |
| 626 | Coronary Physiology: Modern Concepts for the Guidance of Percutaneous Coronary Interventions and Medical Therapy. Journal of Clinical Medicine, 2023, 12, 2274. | 1.0 | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 627 | Preâ€stenting angiographyâ€FFR based physiological map provides virtual intervention and predicts physiological and clinical outcomes. Catheterization and Cardiovascular Interventions, 2023, 101, 1053-1061. | 0.7 | 1 |
| 628 | Clinical Implications of Non-Hyperemic Pressure Ratios. , 0, 2, . | | 0 |
| 629 | Management of Coronary Artery Disease in CADASIL Patients: Review of Current Literature. Medicina (Lithuania), 2023, 59, 586. | 0.8 | 1 |
| 630 | Impact of assessment of fractional flow reserve and instantaneous wave-free ratio on clinical outcomes of percutaneous coronary intervention: a systematic review, meta-analysis and meta-regression analysis. Russian Journal of Cardiology, 2023, 28, 5325. | 0.4 | 0 |
| 631 | Impact of epicardial adipose tissue volume on hemodynamically significant coronary artery disease in Chinese patients with known or suspected coronary artery disease. Frontiers in Cardiovascular Medicine, 0, 10, . | 1.1 | 1 |
| 633 | Physiology guidance for intermediate coronary artery stenosis: What do we leave behind if we shift back from physiological to anatomical assessment?. Cardiovascular Revascularization Medicine, 2023, , . | 0.3 | 0 |
| 634 | Quantitative flow ratio versus fractional flow reserve for guiding percutaneous coronary intervention: design and rationale of the randomised FAVOR III Europe Japan trial. EuroIntervention, 2023, 18, e1358-e1364. | 1.4 | 2 |
| 635 | Physiology-guided PCI versus CABG for left main coronary artery disease: insights from the DEFINE-LM registry. Cardiovascular Intervention and Therapeutics, 0, , . | 1.2 | 0 |
| 636 | Evolving Diagnostic and Management Advances in Coronary Heart Disease. Life, 2023, 13, 951. | 1.1 | 3 |
| 638 | Coronary Artery Stenosis Evaluation byÂAngiography-Derived FFR. JACC: Cardiovascular Imaging, 2023, 16, 1321-1331. | 2.3 | 2 |
| 639 | Coronary angiography-derived index for assessing microcirculatory resistance in patients with non-obstructed vessels: The FLASH IMR study. American Heart Journal, 2023, 263, 56-63. | 1.2 | 3 |
| 640 | Revascularization and Medical Therapy for Chronic Coronary Syndromes: Lessons Learnt from Recent Trials, a Literature Review. Journal of Clinical Medicine, 2023, 12, 2833. | 1.0 | 5 |
| 641 | Non-atherosclerotic Coronary Artery Disease. , 2023, , 93-119. | | 0 |
| 642 | Cardiac Catheterization and Coronary Arteriography. , 2023, , 237-266. | | 0 |
| 644 | Fractional flow reserve and non-hyperemic indices: Essential tools for percutaneous coronary interventions. World Journal of Clinical Cases, 0, 11, 2123-2139. | 0.3 | 5 |
| 680 | Contemporary Use of Coronary Physiology in Cardiology. Cardiology and Therapy, 0, , . | 1.1 | 0 |
| 715 | Pediatric Patients: Role of Invasive and Provocative Tests. , 2023, , 153-169. | | 0 |
| 716 | Editorial: Can QFR be beyond pressure-wire based physiological indices?. Cardiovascular Revascularization Medicine, 2023, , . | 0.3 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 717 | Current status and perspectives of nuclear cardiology. Annals of Nuclear Medicine, 2024, 38, 20-30. | 1.2 | 0 |
| 725 | Chronisches Koronarsyndrom. Springer Reference Medizin, 2023, , 1-21. | 0.0 | 0 |
| 733 | Coronary Angiography. , 2024, , 83-92. | | 0 |