# Martijn Meuwissen

## List of Publications by Year in descending order

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|---|---|---|---|
| 79 papers | 5,129 citations | 101543 36 h-index | 88630 70 g-index |
| 84 all docs | 84 docs citations | 84 times ranked | 4138 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Optical coherence tomography and coronary revascularization: from indication to procedural optimization. Trends in Cardiovascular Medicine, 2023, 33, 92-106. | 4.9 | 9 |
| 2 | Phasic flow patterns of right versus left coronary arteries in patients undergoing clinical physiological assessment. EuroIntervention, 2022, 17, 1260-1270. | 3.2 | 1 |
| 3 | Cost Analysis From a Randomized Comparison of Immediate Versus Delayed Angiography After Cardiac Arrest. Journal of the American Heart Association, 2022, 11, e022238. | 3.7 | 0 |
| 4 | Differential Prognostic Value of Revascularization for Coronary Stenosis With Intermediate FFR by Coronary FlowÂReserve. JACC: Cardiovascular Interventions, 2022, 15, 1033-1043. | 2.9 | 3 |
| 5 | Clinical Relevance of Ischemia with Nonobstructive Coronary Arteries According to Coronary Microvascular Dysfunction. Journal of the American Heart Association, 2022, 11, e025171. | 3.7 | 19 |
| 6 | Combined Assessment of FFR and CFRÂfor Decision Making in CoronaryÂRevascularization. JACC: Cardiovascular Interventions, 2022, 15, 1047-1056. | 2.9 | 10 |
| 7 | Ischaemic electrocardiogram patterns and its association with survival in out-of-hospital cardiac arrest patients without ST-segment elevation myocardial infarction: a COACT trialsâ€™ post-hoc subgroup analysis. European Heart Journal: Acute Cardiovascular Care, 2022, 11, 535-543. | 1.0 | 2 |
| 8 | Differential Impact of Coronary Revascularization on Long-Term Clinical Outcome According to Coronary Flow Characteristics: Analysis of the International ILIAS Registry. Circulation: Cardiovascular Interventions, 2022, 15, . | 3.9 | 1 |
| 9 | Sex differences in patients with out-of-hospital cardiac arrest without ST-segment elevation: A COACT trial substudy. Resuscitation, 2021, 158, 14-22. | 3.0 | 5 |
| 10 | Impact of clinical and haemodynamic factors on coronary flow reserve and invasive coronary flow capacity in non-obstructed coronary arteries: a patient-level pooled analysis of the DEBATE and ILIAS studies. EuroIntervention, 2021, 16, e1503-e1510. | 3.2 | 8 |
| 11 | The effect of immediate coronary angiography after cardiac arrest without ST-segment elevation on left ventricular function. A sub-study of the COACT randomised trial. Resuscitation, 2021, 164, 93-100. | 3.0 | 9 |
| 12 | Identification of anatomic risk factors for acute coronary events by optical coherence tomography in patients with myocardial infarction and residual nonflow limiting lesions: rationale and design of the PECTUS-obs study. BMJ Open, 2021, 11, e048994. | 1.9 | 5 |
| 13 | Transient ST-elevation myocardial infarction versus persistent ST-elevation myocardial infarction. An appraisal of patient characteristics and functional outcome. International Journal of Cardiology, 2021, 336, 22-28. | 1.7 | 4 |
| 14 | Respirationâ€related variations in Pd/Pa ratio and fractional flow reserve in resting conditions and during intravenous adenosine administration. Catheterization and Cardiovascular Interventions, 2021, , . | 1.7 | 2 |
| 15 | Contribution of Age-Related Microvascular Dysfunction to AbnormalÂCoronary. JACC: Cardiovascular Interventions, 2020, 13, 20-29. | 2.9 | 28 |
| 16 | Coronary Flow Capacity to Identify Stenosis Associated With Coronary Flow Improvement After Revascularization: A Combined Analysis From DEFINE FLOW and IDEAL. Journal of the American Heart Association, 2020, 9, e016130. | 3.7 | 8 |
| 17 | Data on sex differences in one-year outcomes of out-of-hospital cardiac arrest patients without ST-segment elevation. Data in Brief, 2020, 33, 106521. | 1.0 | 0 |
| 18 | Time course of coronary flow capacity impairment in ST-segment elevation myocardial infarction. European Heart Journal: Acute Cardiovascular Care, 2020, , . | 1.0 | 2 |

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|---|---|---|---|
| 19 | Objective Identification of Intermediate Lesions Inducing Myocardial Ischemia Using Sequential Intracoronary Pressure and Flow Measurements. Journal of the American Heart Association, 2020, 9, e015559. | 3.7 | 5 |
| 20 | 1-Year Outcomes of Delayed Versus Immediate Intervention in Patients With Transient ST-Segment Elevation Myocardial Infarction. JACC: Cardiovascular Interventions, 2019, 12, 2272-2282. | 2.9 | 16 |
| 21 | Coronary Angiography after Cardiac Arrest without ST-Segment Elevation. New England Journal of Medicine, 2019, 380, 1397-1407. | 27.0 | 373 |
| 22 | Diastolic-systolic velocity ratio to detect coronary stenoses under physiological resting conditions: a mechanistic study. Open Heart, 2019, 6, e000968. | 2.3 | 2 |
| 23 | Pressure-derived estimations of coronary flow reserve are inferior to flow-derived coronary flow reserve as diagnostic and risk stratification tools. International Journal of Cardiology, 2019, 279, 6-11. | 1.7 | 10 |
| 24 | Relationship between FFR, CFR and coronary microvascular resistance â€“ Practical implications for FFR-guided percutaneous coronary intervention. PLoS ONE, 2019, 14, e0208612. | 2.5 | 26 |
| 25 | Timing of revascularization in patients with transient ST-segment elevation myocardial infarction: a randomized clinical trial. European Heart Journal, 2019, 40, 283-291. | 2.2 | 38 |
| 26 | Paclitaxelâ€eluting balloon versus everolimusâ€eluting stent in patients with diabetes mellitus and inâ€stent restenosis: Insights from the randomized DARE trial. Catheterization and Cardiovascular Interventions, 2019, 93, 216-221. | 1.7 | 4 |
| 27 | Comprehensive physiological evaluation of epicardial and microvascular coronary domains using vascular conductance and zero flow pressure. EuroIntervention, 2019, 14, e1593-e1600. | 3.2 | 3 |
| 28 | Long-term impact of chronic total occlusion recanalisation in patients with ST-elevation myocardial infarction. Heart, 2018, 104, 1432-1438. | 2.9 | 55 |
| 29 | 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. | 2.9 | 24 |
| 30 | A Randomized Comparison of Paclitaxel-Eluting Balloon Versus Everolimus-Eluting Stent for the TreatmentÂof Any In-Stent Restenosis. JACC: Cardiovascular Interventions, 2018, 11, 275-283. | 2.9 | 88 |
| 31 | 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. | 2.9 | 111 |
| 32 | Early Detection and Treatment of the Vulnerable Coronary Plaque. Circulation: Cardiovascular Imaging, 2017, 10, . | 2.6 | 60 |
| 33 | Fractional Flow Reserve/InstantaneousÂWave-Free Ratio Discordance in Angiographically Intermediate CoronaryÂStenoses. JACC: Cardiovascular Interventions, 2017, 10, 2514-2524. | 2.9 | 104 |
| 34 | Percutaneous Intervention for ConcurrentÂChronic Total Occlusions inÂPatients WithÂSTEMI. Journal of the American College of Cardiology, 2016, 68, 1622-1632. | 2.8 | 300 |
| 35 | Coronary angiography after cardiac arrest: Rationale and design of the COACT trial. American Heart Journal, 2016, 180, 39-45. | 2.7 | 28 |
| 36 | Fractional flow reserve-guided percutaneous coronary intervention: where to after FAME 2?. Vascular Health and Risk Management, 2015, 11, 613. | 2.3 | 6 |

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|---|---|---|---|
| 37 | Change in Coronary Blood Flow After Percutaneous Coronary Intervention in Relation to Baseline Lesion Physiology. Circulation: Cardiovascular Interventions, 2015, 8, e001715. | 3.9 | 38 |
| 38 | Diagnostic and Prognostic Implications ofÂCoronary Flow Capacity. JACC: Cardiovascular Interventions, 2015, 8, 1670-1680. | 2.9 | 87 |
| 39 | Combining Baseline Distal-to-Aortic Pressure Ratio and Fractional Flow Reserve in the Assessment of CoronaryÂStenosis Severity. JACC: Cardiovascular Interventions, 2015, 8, 1681-1691. | 2.9 | 25 |
| 40 | Prospective Assessment of the DiagnosticÂAccuracy of Instantaneous Wave-Free Ratio to Assess Coronary Stenosis Relevance. JACC: Cardiovascular Interventions, 2015, 8, 824-833. | 2.9 | 172 |
| 41 | Coronary pressure and flow relationships in humans: phasic analysis of normal and pathological vessels and the implications for stenosis assessment: a report from the Iberianâ€“Dutchâ€“English (IDEAL) collaborators. European Heart Journal, 2015, 37, 2069-2080. | 2.2 | 129 |
| 42 | Head-to-head comparison of basal stenosis resistance index, instantaneous wave-free ratio, and fractional flow reserve: diagnostic accuracy for stenosis-specific myocardial ischaemia. EuroIntervention, 2015, 11, 914-925. | 3.2 | 62 |
| 43 | Baseline Instantaneous Wave-Free Ratio as a Pressure-Only Estimation of Underlying Coronary Flow Reserve. Circulation: Cardiovascular Interventions, 2014, 7, 492-502. | 3.9 | 152 |
| 44 | Impact of hyperaemic microvascular resistance on fractional flow reserve measurements in patients with stable coronary artery disease: insights from combined stenosis and microvascular resistance assessment. Heart, 2014, 100, 951-959. | 2.9 | 102 |
| 45 | Physiological Basis and Long-Term Clinical Outcome of Discordance Between Fractional Flow Reserve and Coronary Flow Velocity Reserve in Coronary Stenoses of Intermediate Severity. Circulation: Cardiovascular Interventions, 2014, 7, 301-311. | 3.9 | 322 |
| 46 | Fractional flow reserve as a surrogate for inducible myocardial ischaemia. Nature Reviews Cardiology, 2013, 10, 439-452. | 13.7 | 127 |
| 47 | Impact of Coronary Microvascular Function on Long-term Cardiac Mortality in Patients With Acute ST-Segmentâ€“Elevation Myocardial Infarction. Circulation: Cardiovascular Interventions, 2013, 6, 207-215. | 3.9 | 77 |
| 48 | Impaired Coronary Autoregulation Is Associated With Long-term Fatal Events in Patients With Stable Coronary Artery Disease. Circulation: Cardiovascular Interventions, 2013, 6, 329-335. | 3.9 | 65 |
| 49 | Fractional flow reserve and beyond. Heart, 2013, 99, 1699-1705. | 2.9 | 17 |
| 50 | Response to Michiels et al and Sen et al Regarding Article, â€œDiagnostic Accuracy of Combined Intracoronary Pressure and Flow Velocity Information During Baseline Conditions: Adenosine-Free Assessment of Functional Coronary Lesion Severityâ€• Circulation: Cardiovascular Interventions, 2012, 5, . | 3.9 | 0 |
| 51 | Diagnostic Accuracy of Combined Intracoronary Pressure and Flow Velocity Information During Baseline Conditions. Circulation: Cardiovascular Interventions, 2012, 5, 508-514. | 3.9 | 91 |
| 52 | Multiple Biomarkers at Admission Significantly Improve the Prediction of Mortality in Patients Undergoing Primary Percutaneous Coronary Intervention for Acute ST-Segment Elevation Myocardial Infarction. Journal of the American College of Cardiology, 2011, 57, 29-36. | 2.8 | 91 |
| 53 | Effect of Multivessel Coronary Disease With or Without Concurrent Chronic Total Occlusion on One-Year Mortality in Patients Treated With Primary Percutaneous Coronary Intervention for Cardiogenic Shock. American Journal of Cardiology, 2010, 105, 955-959. | 1.6 | 105 |
| 54 | Prevalence and impact of a chronic total occlusion in a non-infarct-related artery on long-term mortality in diabetic patients with ST elevation myocardial infarction. Heart, 2010, 96, 1968-1972. | 2.9 | 52 |

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|---|---|---|---|
| 55 | The Doppler flow wire in acute myocardial infarction. Heart, 2010, 96, 631-635. | 2.9 | 14 |
| 56 | Role of fractional and coronary flow reserve in clinical decision making in intermediate coronary lesions. Interventional Cardiology, 2009, 1, 237-255. | 0.0 | 24 |
| 57 | The prognostic value of combined intracoronary pressure and blood flow velocity measurements after deferral of percutaneous coronary intervention. Catheterization and Cardiovascular Interventions, 2008, 71, 291-297. | 1.7 | 78 |
| 58 | Effect of simultaneous intracoronary guidewires on the predictive accuracy of functional parameters of coronary lesion severity. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 292, H2349-H2355. | 3.2 | 19 |
| 59 | Eosinophilic infiltration in restenotic tissue following coronary stent implantation. Atherosclerosis, 2006, 184, 157-162. | 0.8 | 31 |
| 60 | Physiological Assessment of Coronary Artery Disease in the Cardiac Catheterization Laboratory. Circulation, 2006, 114, 1321-1341. | 1.6 | 441 |
| 61 | Influence of Percutaneous Coronary Intervention on Coronary Microvascular Resistance Index. Circulation, 2005, 111, 76-82. | 1.6 | 111 |
| 62 | Single-Wire Pressure and Flow Velocity Measurement to Quantify Coronary Stenosis Hemodynamics and Effects of Percutaneous Interventions. Circulation, 2004, 109, 756-762. | 1.6 | 166 |
| 63 | Short- and Long-Term recovery of left ventricular function predicted at the time of primary percutaneous coronary intervention in anterior myocardial infarction. Journal of the American College of Cardiology, 2004, 43, 534-541. | 2.8 | 91 |
| 64 | Value of C-reactive protein in patients with stable angina pectoris, coronary narrowing (30% to 70%), and normal fractional flow reserve. American Journal of Cardiology, 2003, 92, 702-705. | 1.6 | 6 |
| 65 | Association between complex coronary artery stenosis and unstable angina and the extent of plaque inflammation. American Journal of Medicine, 2003, 114, 521-527. | 1.5 | 31 |
| 66 | Intracoronary pressure and flow velocity for hemodynamic evaluation of coronary stenoses. Expert Review of Cardiovascular Therapy, 2003, 1, 471-479. | 1.5 | 19 |
| 67 | Association between coronary lesion severity and distal microvascular resistance in patients with coronary artery disease. American Journal of Physiology - Heart and Circulatory Physiology, 2003, 285, H2194-H2200. | 3.2 | 107 |
| 68 | Stent Inflammation. Circulation, 2002, 106, 1176-1177. | 1.6 | 9 |
| 69 | Hyperemic Stenosis Resistance Index for Evaluation of Functional Coronary Lesion Severity. Circulation, 2002, 106, 441-446. | 1.6 | 163 |
| 70 | Prognostic value of coronary blood flow velocity and myocardial perfusion in intermediate coronary narrowings and multivessel disease. Journal of the American College of Cardiology, 2002, 39, 852-858. | 2.8 | 88 |
| 71 | Influence of hemodynamic conditions on fractional flow reserve: parametric analysis of underlying model. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 283, H1462-H1470. | 3.2 | 71 |
| 72 | Usefulness of fractional flow reserve for risk stratification of patients with multivessel coronary artery disease and an intermediate stenosis. American Journal of Cardiology, 2002, 89, 377-380. | 1.6 | 112 |

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|---|---|---|---|
| 73 | Rationale of combined intracoronary pressure and flow velocity measurements. Clinical Research in Cardiology, 2002, 91, 108-112. | 1.1 | 20 |
| 74 | Adequate patient selection for coronary revascularization: an overview of current methods used in daily clinical practice. International Journal of Cardiovascular Imaging, 2002, 18, 5-15. | 0.6 | 4 |
| 75 | Recurrent unstable angina after directional coronary atherectomy is related to the extent of initial coronary plaque inflammation. Journal of the American College of Cardiology, 2001, 37, 1271-1276. | 2.8 | 28 |
| 76 | Fractional flow reserve, absolute and relative coronary blood flow velocity reserve in relation to the results of technetium-99m sestambi single-photon emission computed tomography in patients with two-vessel coronary artery disease. Journal of the American College of Cardiology, 2001, 37, 1316-1322. | 2.8 | 111 |
| 77 | Role of Variability in Microvascular Resistance on Fractional Flow Reserve and Coronary Blood Flow Velocity Reserve in Intermediate Coronary Lesions. Circulation, 2001, 103, 184-187. | 1.6 | 243 |
| 78 | Plaque inflammation in restenotic coronary lesions of patients with stable or unstable angina. Journal of the American College of Cardiology, 2000, 35, 963-967. | 2.8 | 51 |
| 79 | Neovascularity related to mural thrombus in endomyocardial fibrosis. International Journal of Cardiovascular Imaging, 1999, 15, 205-207. | 0.6 | 3 |