



William Fearon, MD

Professor of Medicine (Cardiovascular Medicine)

Medicine - Cardiovascular Medicine

CLINICAL OFFICE (PRIMARY)

- **Cardiovascular Medicine Clinic**

300 Pasteur Dr Rm A260

MC 5319

Stanford, CA 94305

Tel (650) 725-2621 **Fax** (650) 725-6766

Bio

BIO

Dr. Fearon graduated from Dartmouth College and received his medical degree from Columbia University College of Physicians and Surgeons, where he was elected into the Alpha Omega Alpha Medical Honor Society. He completed an Internal Medicine residency at Stanford University Medical Center serving an extra year as a Medical Chief Resident. He completed a General Cardiology and Interventional Cardiology fellowship at Stanford, spending his third year as the Chief Cardiology Fellow. He is currently a Professor of Medicine (Cardiology) and Chief of the Interventional Cardiology Section at Stanford University School of Medicine and the Chief of the Cardiology Section at the VA Palo Alto Health Care System. Dr. Fearon is board certified in cardiovascular medicine and interventional cardiology, and he is a fellow of the American College of Cardiology and the American Heart Association and a master fellow of the Society of Cardiovascular Angiography and Interventions. He has been elected to the American Society for Clinical Investigation, the Association of American Physicians, and the Association of University Cardiologists.

Dr. Fearon's primary area of research interest is in coronary physiology. He has been the principal investigator of numerous multicenter clinical trials, including the FAME trials, which have resulted in multiple publications in the New England Journal of Medicine and led to worldwide adoption of the use of coronary physiology to guide revascularization decisions in the cardiac catheterization laboratory. He also derived and validated the index of microcirculatory resistance, which is now used commonly to assess coronary microvascular function. He has over 350 publications, speaks regularly at major international conferences, and serves as an Associate Editor for Circulation: Cardiovascular Interventions and on the editorial boards of the Journal of the American College of Cardiology, Circulation, and JACC Cardiovascular Interventions, among other journals. His research laboratory has had near continuous NIH funding and he is currently the principal investigator on an NIH grant evaluating cardiac allograft vasculopathy. He has received multiple teaching awards from Stanford University and has mentored numerous clinician-scientists. Dr. Fearon's clinical activities include not only percutaneous coronary intervention, but also transcatheter aortic valve replacement.

CLINICAL FOCUS

- Interventional Cardiology
- Transcatheter aortic valve replacement

- TAVR
- Percutaneous Coronary Intervention
- Aortic Stenosis
- Coronary Artery Disease
- Coronary Physiology

ACADEMIC APPOINTMENTS

- Professor-Univ Med Line, Medicine - Cardiovascular Medicine
- Member, Cardiovascular Institute

ADMINISTRATIVE APPOINTMENTS

- Director, Interventional Cardiology, Stanford University Medical Center, (2013- present)

PROFESSIONAL EDUCATION

- Board Certification: Cardiovascular Disease, American Board of Internal Medicine (2022)
- Board Certification: Interventional Cardiology, American Board of Internal Medicine (2025)
- Fellowship: Stanford University Cardiovascular Medicine Fellowship (2002) CA
- Residency: Stanford University Internal Medicine Residency (1998) CA
- Residency: Stanford University Internal Medicine Residency (1997) CA
- Internship: Stanford University Internal Medicine Residency (1995) CA
- Medical Education: Columbia University College of Physicians and Surgeons (1994) NY
- M.D., Columbia University College of Physicians and Surgeons , Medicine (1994)
- B.A., Dartmouth College , English (1990)

LINKS

- Video Story: <http://www.youtube.com/watch?v=Qkxsr6vLK-A>
- Video Story: <http://www.youtube.com/watch?v=Qkxsr6vLK-A>
- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Dr. Fearon's general research interest is coronary physiology. In particular, he is investigating invasive methods for evaluating the coronary microcirculation. His research is currently funded by an NIH R01 Award.

CLINICAL TRIALS

- A Study of Low-dose Intracoronary Thrombolytic Therapy in STEMI (Heart Attack) Patients., Recruiting
- Beating Heart Mitral Valve Repair With the HARPOON™ System, Recruiting
- A Comparison of Fractional Flow Reserve-Guided Percutaneous Coronary Intervention and Coronary Artery Bypass Graft Surgery in Patients With Multivessel Coronary Artery Disease, Not Recruiting
- Angiotensin Converting Enzyme (ACE) Inhibition and Cardiac Allograft Vasculopathy, Not Recruiting
- Assessment of Catheter-based Interrogation and Standard Techniques for Fractional Flow Reserve Measurement, Not Recruiting
- Cardiac Allograft Vasculopathy Inhibition with Alirocumab, Not Recruiting
- CONTRAST (Can cONTrast Injection Better Approximate FFR compAred to Pure reSTing Physiology?), Not Recruiting

- ExCEED: CENTERA THV System in Intermediate Risk Patients Who Have Symptomatic, Severe, Calcific, Aortic Stenosis, Not Recruiting
- Fractional Flow Reserve Versus Angiography for Multivessel Evaluation (F.A.M.E.), Not Recruiting
- Portico Re-sheathable Transcatheter Aortic Valve System US IDE Trial, Not Recruiting

Teaching

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Kuniaki Takahashi

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Medicine (Masters Program)

Publications

PUBLICATIONS

- **Angiography-Derived Fractional Flow Reserve to Guide PCI.** *The New England journal of medicine*
Fearon, W. F., Jeremias, A., Witberg, G., Al-Lamee, R., Cohen, D. J., Kaki, A., Sharma, R. P., Yeh, R. W., Chehab, B. M., Kim, M. C., Otake, H., Tayal, R., Matsuo, et al
2026
- **Assessing Nonculprit Coronary-Artery Lesions in STEMI.** *The New England journal of medicine*
Fearon, W. F.
2026; 394 (10): 1021-1022
- **Cardiac Allograft Vasculopathy Inhibition with AliRocumab: The CAVIAR Trial**
Fearon, W., Terada, K., Skoda, A., Luikart, H., Knowles, J., Honda, Y., Woo, C., Teuteberg, J., Khush, K.
LIPPINCOTT WILLIAMS & WILKINS.2025
- **Cardiac Allograft Vasculopathy Inhibition with Alirocumab: The CAVIAR Trial.** *Circulation*
Fearon, W. F., Terada, K., Takahashi, K., Skoda, A., Luikart, H. I., Lamendola, C. A., Zimmermann, F. M., Hashikata, T., Saito, K., Yoshida, A., Varr, B., Knowles, J. W., Woo, et al
2025
- **Economic outcomes and quality of life after CABG or PCI for multivessel disease: The FAME 3 Trial.** *Journal of the American College of Cardiology*
Hlatky, M. A., Ding, V. Y., Zimmermann, F. M., Piroth, Z., Davidavicius, G., Mansour, S., Kharbada, R., Jokhaji, F., Oldroyd, K. G., Wendler, O., Reardon, M. J., Sreckovic, M., Yeung, et al
2025
- **Outcomes after fractional flow reserve-guided percutaneous coronary intervention versus coronary artery bypass grafting (FAME 3): 5-year follow-up of a multicentre, open-label, randomised trial.** *Lancet (London, England)*
Fearon, W. F., Zimmermann, F. M., Ding, V. Y., Takahashi, K., Piroth, Z., van Straten, A. H., Szekely, L., Davidavicius, G., Kalinauskas, G., Mansour, S., Kharbada, R., Östlund-Papadogeorgos, N., Aminian, et al
2025
- **Fractional Flow Reserve-Guided PCI or Coronary Bypass Surgery for 3-Vessel Coronary Artery Disease: 3-Year Follow-Up of the FAME 3 Trial.** *Circulation*
Zimmermann, F. M., Ding, V. Y., Pijls, N. H., Piroth, Z., van Straten, A. H., Szekely, L., Davidavicius, G., Kalinauskas, G., Mansour, S., Kharbada, R., Östlund-Papadogeorgos, N., Aminian, A., Oldroyd, et al
2023
- **Quality of Life After Fractional Flow Reserve-Guided PCI Compared with Coronary Bypass Surgery.** *Circulation*
Fearon, W. F., Zimmermann, F. M., Ding, V. Y., Zelis, J. M., Piroth, Z., Davidavicius, G., Mansour, S., Kharbada, R., Ostlund-Papadogeorgos, N., Oldroyd, K. G., Wendler, O., Reardon, M. J., Woo, et al
2022

- **Microcirculatory Resistance Predicts Allograft Rejection and Cardiac Events After Heart Transplantation.** *Journal of the American College of Cardiology*
Ahn, J., Zimmermann, F. M., Gullestad, L., Angeras, O., Karason, K., Russell, K., Lunde, K., Okada, K., Luikart, H., Khush, K. K., Honda, Y., Pijls, N. H., Lee, et al
2021; 78 (24): 2425-2435
- **Fractional Flow Reserve-Guided PCI as Compared with Coronary Bypass Surgery.** *The New England journal of medicine*
Fearon, W. F., Zimmermann, F. M., De Bruyne, B., Piroth, Z., van Straten, A. H., Szekely, L., Davidavicius, G., Kalinauskas, G., Mansour, S., Kharbada, R., Ostlund-Papadogeorgos, N., Aminian, A., Oldroyd, et al
2021
- **Utilization and Outcomes of Measuring Fractional Flow Reserve in Patients With Stable Ischemic Heart Disease.** *Journal of the American College of Cardiology*
Parikh, R. V., Liu, G. n., Plomondon, M. E., Sehested, T. S., Hlatky, M. A., Waldo, S. W., Fearon, W. F.
2020; 75 (4): 409–19
- **Five-Year Outcomes of Transcatheter or Surgical Aortic-Valve Replacement.** *The New England journal of medicine*
Makkar, R. R., Thourani, V. H., Mack, M. J., Kodali, S. K., Kapadia, S., Webb, J. G., Yoon, S., Trento, A., Svensson, L. G., Herrmann, H. C., Szeto, W. Y., Miller, D. C., Satler, et al
2020; 382 (9)
- **Accuracy of Fractional Flow Reserve Derived From Coronary Angiography** *CIRCULATION*
Fearon, W. F., Achenbach, S., Engstrom, T., Assali, A., Shlofmitz, R., Jeremias, A., Fournier, S., Kirtane, A. J., Kornowski, R., Greenberg, G., Jubeh, R., Kolansky, D. M., McAndrew, et al
2019; 139 (4): 477–84
- **Fractional Flow Reserve and Quality-of-Life Improvement After Percutaneous Coronary Intervention in Patients With Stable Coronary Artery Disease.** *Circulation*
Nishi, T., Piroth, Z., De Bruyne, B., Jagic, N., Mobius-Winkler, S., Kobayashi, Y., Derimay, F., Fournier, S., Barbato, E., Tonino, P., Juni, P., Pijls, N. H., Fearon, et al
2018; 138 (17): 1797–1804
- **Accuracy of Fractional Flow Reserve Derived From Coronary Angiography.** *Circulation*
Fearon, W. F., Achenbach, S., Engstrom, T., Assali, A., Shlofmitz, R., Jeremias, A., Fournier, S., J Kirtane, A., Kornowski, R., Greenberg, G., Jubeh, R., Kolansky, D. M., McAndrew, et al
2018
- **Prognostic Value of the Residual SYNTAX Score After Functionally Complete Revascularization in ACS.** *Journal of the American College of Cardiology*
Kobayashi, Y., Lonborg, J., Jong, A., Nishi, T., De Bruyne, B., Hofsten, D. E., Kelbak, H., Layland, J., Nam, C., Pijls, N. H., Tonino, P. A., Warnoe, J., Oldroyd, et al
2018; 72 (12): 1321–29
- **Five-Year Outcomes with PCI Guided by Fractional Flow Reserve.** *The New England journal of medicine*
Xaplanteris, P., Fournier, S., Pijls, N. H., Fearon, W. F., Barbato, E., Tonino, P. A., Engstrom, T., Kaab, S., Dambrink, J., Rioufol, G., Toth, G. G., Piroth, Z., Witt, et al
2018
- **Clinical Outcomes and Cost-Effectiveness of Fractional Flow Reserve-Guided Percutaneous Coronary Intervention in Patients With Stable Coronary Artery Disease: Three-Year Follow-Up of the FAME 2 Trial (Fractional Flow Reserve Versus Angiography for Multivessel Evaluation)** *CIRCULATION*
Fearon, W. F., Nishi, T., De Bruyne, B., Boothroyd, D. B., Barbato, E., Tonino, P., Juni, P., Pijls, N. H. J., Hlatky, M. A., FAME 2 Trial Investigators
2018; 137 (5): 480–87
- **Invasive Assessment of the Coronary Microvasculature: The Index of Microcirculatory Resistance.** *Circulation. Cardiovascular interventions*
Fearon, W. F., Kobayashi, Y. n.
2017; 10 (12)
- **Transcatheter or Surgical Aortic-Valve Replacement in Intermediate-Risk Patients** *NEW ENGLAND JOURNAL OF MEDICINE*
Leon, M. B., Smith, C. R., Mack, M. J., Makkar, R. R., Svensson, L. G., Kodali, S. K., Thourani, V. H., Tuzcu, E. M., Miller, D. C., Herrmann, H. C., Doshi, D., Cohen, D. J., Pichard, et al

2016; 374 (17): 1609-1620

- **The Prognostic Value of Residual Coronary Stenoses After Functionally Complete Revascularization** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
Kobayashi, Y., Nam, C., Tonino, P. A., Kimura, T., De Bruyne, B., Pijls, N. H., Fearon, W. F.
2016; 67 (14): 1701-1711
- **Invasive Coronary Physiology for Assessing Intermediate Lesions** *CIRCULATION-CARDIOVASCULAR INTERVENTIONS*
Fearon, W. F.
2015; 8 (2)
- **Fractional Flow Reserve-Guided PCI for Stable Coronary Artery Disease** *NEW ENGLAND JOURNAL OF MEDICINE*
De Bruyne, B., Fearon, W. F., Pijls, N. H., Barbato, E., Tonino, P., Piroth, Z., Jagic, N., Mobius-Winckler, S., Rioufol, G., Witt, N., Kala, P., MacCarthy, P., Engstroem, et al
2014; 371 (13): 1208-1217
- **Fractional flow reserve-guided PCI for stable coronary artery disease.** *New England journal of medicine*
De Bruyne, B., Fearon, W. F., Pijls, N. H., Barbato, E., Tonino, P., Piroth, Z., Jagic, N., Mobius-Winckler, S., Rioufol, G., Witt, N., Kala, P., MacCarthy, P., Engström, et al
2014; 371 (13): 1208-1217
- **Fractional Flow Reserve- Guided Percutaneous Coronary Intervention: Is it a Valid Concept?** *CIRCULATION*
Fearon, W. F.
2014; 129 (18): 1860-1870
- **Cost-Effectiveness of Percutaneous Coronary Intervention in Patients With Stable Coronary Artery Disease and Abnormal Fractional Flow Reserve** *CIRCULATION*
Fearon, W. F., Shilane, D., Pijls, N. H., Boothroyd, D. B., Tonino, P. A., Barbato, E., Jueni, P., De Bruyne, B., Hlatky, M. A.
2013; 128 (12): 1335-1340
- **Prognostic Value of the Index of Microcirculatory Resistance Measured After Primary Percutaneous Coronary Intervention** *CIRCULATION*
Fearon, W. F., Low, A. F., Yong, A. S., McGeoch, R., Berry, C., Shah, M. G., Ho, M. Y., Kim, H., Loh, J. P., Oldroyd, K. G.
2013; 127 (24): 2436-2441
- **Fractional Flow Reserve-Guided PCI versus Medical Therapy in Stable Coronary Disease** *NEW ENGLAND JOURNAL OF MEDICINE*
De Bruyne, B., Pijls, N. H., Kalesan, B., Barbato, E., Tonino, P. A., Piroth, Z., Jagic, N., Mobius-Winckler, S., Rioufol, G., Witt, N., Kala, P., MacCarthy, P., Engstrom, et al
2012; 367 (11): 991-1001
- **Functional SYNTAX Score for Risk Assessment in Multivessel Coronary Artery Disease** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
Nam, C., Mangiacapra, F., Entjes, R., Chung, I., Sels, J., Tonino, P. A., De Bruyne, B., Pijls, N. H., Fearon, W. F.
2011; 58 (12): 1211-1218
- **Economic Evaluation of Fractional Flow Reserve-Guided Percutaneous Coronary Intervention in Patients With Multivessel Disease** *CIRCULATION*
Fearon, W. F., Bornschein, B., Tonino, P. A., Gothe, R. M., De Bruyne, B., Pijls, N. H., Siebert, U.
2010; 122 (24): 2545-2550
- **Fractional Flow Reserve versus Angiography for Guiding Percutaneous Coronary Intervention** *NEW ENGLAND JOURNAL OF MEDICINE*
Tonino, P. A., De Bruyne, B., Pijls, N. H., Siebert, U., Ikeno, F., van 't Veer, M., Klauss, V., Manoharan, G., Engstrom, T., Oldroyd, K. G., Lee, P. N., MacCarthy, P. A., Fearon, et al
2009; 360 (3): 213-224
- **Predictive value of the index of microcirculatory resistance in patients with ST-segment elevation myocardial infarction** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
Fearon, W. F., Shah, M., Ng, M., Brinton, T., Wilson, A., Tremmel, J. A., Schnittger, I., Lee, D. P., Vagelos, R. H., Fitzgerald, P. J., Yock, P. G., Yeung, A. C.
2008; 51 (5): 560-565
- **Rationale and design of the fractional flow reserve versus angiography for multivessel evaluation (FAME) study** *AMERICAN HEART JOURNAL*

- Fearon, W. F., Tonino, P. A., De Bruyne, B., Siebert, U., Pijls, N. H.
2007; 154 (4): 632-636
- **Invasive assessment of the coronary microcirculation - Superior reproducibility and less hemodynamic dependence of index of microcirculatory resistance compared with coronary flow reserve** *CIRCULATION*
Ng, M. K., Yeung, A. C., Fearon, W. F.
2006; 113 (17): 2054-2061
 - **Microvascular resistance is not influenced by epicardial coronary artery stenosis severity - Experimental validation** *CIRCULATION*
Fearon, W. F., Aarnoudse, W., Pijls, N. H., De Bruyne, B., Balsam, L. B., Cooke, D. T., Robbins, R. C., Fitzgerald, P. J., Yeung, A. C., Yock, P. G.
2004; 109 (19): 2269-2272
 - **Novel index for invasively assessing the coronary microcirculation** *CIRCULATION*
Fearon, W. F., Balsam, L. B., Farouque, H. M., Robbins, R. C., Fitzgerald, P. J., Yock, P. G., Yeung, A. C.
2003; 107 (25): 3129-3132
 - **Elevated LDL-C and Lipoprotein(a) Modify Alirocumab Effects on CAV: Insights From the CAVIAR Trial.** *JACC. Heart failure*
Terada, K., Takahashi, K., Khush, K. K., Nishi, T., Knowles, J. W., Skoda, A., Varr, B., Woo, C., Honda, Y., Fearon, W. F.
2026: 103284
 - **Response by Fearon et al to Letter Regarding Article, "Cardiac Allograft Vasculopathy Inhibition With Alirocumab: The CAVIAR Trial".** *Circulation*
Fearon, W. F., Takahashi, K., Khush, K. K.
2026; 154 (5): e187
 - **Treadmill Stress Test in Patients With Asymptomatic Severe Aortic Stenosis: A Prespecified Registry-Based Follow-Up of the EARLY TAVR Randomized Clinical Trial.** *JAMA cardiology*
Généreux, P., Schwartz, A., Lindman, B. R., Chhatriwalla, A., Ramee, S., Babaliaros, V., Schwartz, R., Sheth, T., Fearon, W. F., Sorajja, P., Beaver, T., Oldemeyer, J. B., Pop, et al
2026
 - **Impact of Coronary Microvascular Dysfunction on Patient-Reported Symptoms After PCI.** *JACC. Advances*
Bouisset, F., Ikeda, K., Mizukami, T., Munhoz, D., Sonck, J., Sakai, K., Matsuo, H., Ando, H., Ko, B., Biscaglia, S., Rivero, F., Leone, A. M., Yong, et al
2026; 5 (8): 102946
 - **Seeing More With Less: AI to Reduce Radiation Exposure in the Cath Lab.** *Circulation. Cardiovascular interventions*
Meredith, T., Yong, C., Fearon, W. F.
2026: e016980
 - **Age and Procedural Timing for Asymptomatic Severe Aortic Stenosis: Analysis From the EARLY TAVR Trial.** *Circulation. Cardiovascular interventions*
Goel, K., Lindman, B. R., Schwartz, A., Cohen, D. J., Giustino, G., Oldemeyer, J. B., Strote, J., Babaliaros, V., Devireddy, C. M., Fischbein, M. P., Fearon, W. F., Daniels, D., Spies, et al
2026: e016370
 - **Multiple Endotypes and Angina Burden in Patients With Nonobstructive Coronary Arteries.** *JAMA cardiology*
Wong, C. C., Pargaonkar, V. S., Dawson, L. P., Penumaka, R. R., Rehan, R., Yong, A. S., Ng, M. K., Honda, Y., Fearon, W. F., Schnittger, I., Tremmel, J. A.
2026
 - **Impact of Intravascular Imaging on Clinical Outcomes in Focal Versus Diffuse Coronary Artery Disease.** *Circulation. Cardiovascular interventions*
Arai, T., Sakai, K., Ikeda, K., Mizukami, T., Bouisset, F., Zhang, H., Matsumura, M., Sonck, J., Wilgenhof, A., Matsuo, H., Amano, T., Ando, H., Hada, et al
2026: e016735
 - **Immune Aging is an Independent Risk Factor for Cardiovascular Disease.** *bioRxiv : the preprint server for biology*
Feldman, E., Santana, E. J., Celestin, B., Golden, N., Bagherzadeh, S., Maysel, S., Mathi, K., Short, S., Carroll, M., Sullivan, S. S., Lukačičin, M., Ji, X., Klein, et al
2026

- **Angiography-Derived FFR versus IVUS to Guide PCI According to Angiographic Lesion Characteristics.** *Circulation. Cardiovascular interventions*
Yang, S., Hu, X., Zhang, J., Song, J. E., Jiang, J., Peng, X., Lu, D., Pan, Y., Guo, L., Li, J., He, W., Zhou, H., Pu, et al
2026
- **Impact of Health-Related Social Needs on Transcatheter and Surgical Aortic Stenosis Treatment.** *JACC. Advances*
Sadri, S., Amponsah, D., Beyene, T. J., Burdon, T. A., Fearon, W. F., Asch, S. M., Heidenreich, P. A., Yong, C. M.
2026; 5 (5): 102730
- **THE ASSOCIATION OF LIPOPROTEIN(A) AND APOLIPOPROTEIN B LEVELS WITH ACCELERATED INTIMAL HYPERPLASIA FOLLOWING HEART TRANSPLANTATION**
D'Oro, A., Tehrani, D., Klomhaus, A., Kim, J. S., Assi, A., Honda, Y., Khush, K., Fearon, W., Nsair, A., Fonarow, G. C., Sallam, T., Parikh, R.
ELSEVIER SCIENCE INC.2026: A686
- **Complex Percutaneous Intervention and Intravascular Lithotripsy for Critical Cabrol Anastomotic Stenosis Jeopardizing Global Coronary Circulation.** *JACC. Case reports*
Meredith, T., Krishnam, M., Woo, J. P., Fearon, W. F., Hiesinger, W., Yeung, A.
2026: 107768
- **10 years after NOBLE: more nuance in left main revascularisation.** *Lancet (London, England)*
Takahashi, K., Fearon, W. F.
2026; 407 (10536): 1308-1310
- **Contemporary coronary physiology practice: An international survey of interventional cardiologists.** *Cardiovascular revascularization medicine : including molecular interventions*
Carvalho, P. E., Johnson, N. P., Kern, M., Fearon, W. F., Seto, A., Raphael, C. E., Smilowitz, N. R., Widmer, R. J., Toleva, O., Jeremias, A., Alexandrou, M., Strepkos, D., Mastrodemos, et al
2026
- **Prognostic Value of Microvascular Resistance Reserve in Coronary Artery Disease: A Systematic Review and Meta-Analysis.** *JACC. Cardiovascular interventions*
Gallinoro, E., De Bruyne, B., Pijls, N., Belmonte, M., Paolisso, P., Di Lenarda, F., Terzi, R., Mahendiran, T., Terrone, C., Redivo, M., Policastro, P., Casenghi, M., Pizzi, et al
2026; 19 (6): 740-751
- **Angiography-Derived Fractional Flow Reserve During Percutaneous Coronary Intervention.** *Circulation. Cardiovascular interventions*
Koo, C. Y., Li, S., Al-Lamee, R., Cohen, D. J., Fearon, W. F., Kirtane, A. J., Leon, M. B., Witberg, G., Yeh, R. W., Secemsky, E. A.
2026
- **Angiography-Derived Physiology for Coronary Artery Disease Assessment: Expert Opinion From a SCAI Roundtable.** *Journal of the Society for Cardiovascular Angiography & Interventions*
Shlofmitz, E., Shin, D., Alasnag, M., Al-Azizi, K., Ali, Z. A., Bangalore, S., Collet, C., Escaned, J., Gonzalo, N., Jeremias, A., Kaki, A., Kern, M. J., Patel, et al
2026; 5 (3): 104156
- **Why Can Microvascular Resistance Increase After Elective PCI, and Does It Matter?** *JACC. Cardiovascular interventions*
Fearon, W. F., Zimmermann, F. M.
2026; 19 (4): 464-466
- **Influence of Pullback Pressure Gradient on Residual Angina at One Year.** *Circulation. Cardiovascular interventions*
Mizukami, T., Ikeda, K., Munhoz, D., Sakai, K., Sonck, J., Matsuo, H., Shinke, T., Ando, H., Ko, B., Biscaglia, S., Rivero, F., Engstrom, T., Leone, et al
2026: e015851
- **Mid-term clinical outcomes of FFRangio guided treatment for coronary artery disease: Insights from an international multicentre registry.** *Cardiovascular revascularization medicine : including molecular interventions*
Witberg, G., Kikuta, Y., Dan, K., Matsumura, M., Maehara, A., Tanigaki, T., Yokoi, H., Hikichi, Y., Nanasato, M., Miura, K., Sato, K., Taniguchi, M., Goto, et al
2026
- **Diagnostic Performance of Non-Hyperemic Pressure Ratios Versus Fractional Flow Reserve Stratified by Coronary Artery: A Systematic Review and Meta-Analysis of Individual Patient Data.** *Journal of the American Heart Association*

- Storozhenko, T., Collison, D., Johnson, N. P., Sakai, K., Mizukami, T., Shinke, T., Matsuo, H., Munhoz, D., Buytaert, D., Ando, H., Ko, B., Ihdayhid, A., Biscaglia, et al
2026; 15 (2): e040916
- **Fractional flow reserve-guided percutaneous coronary intervention versus medical therapy for stable coronary artery disease: long-term results of the FAME 2 trial.** *Nature medicine*
Collet, C., Mahendiran, T., Fearon, W. F., Mizukami, T., Munhoz, D., Pijls, N. H., Tonino, P. A., Barbato, E., Piroth, Z., Sreckovic, M., Thiele, H., El Farissi, M., Witt, et al
2026
 - **Reframing Cardiovascular Interventions in Cancer Patients: Emerging Evidence and Evolving Paradigms** *CURRENT TREATMENT OPTIONS IN CARDIOVASCULAR MEDICINE*
Kabir, R., Fearon, W., Kim, J.
2026; 28 (1)
 - **Functional and morphological characterization of coronary atherosclerosis.** *Atherosclerosis*
Sakai, K., Shinke, T., Ali, Z., Mizukami, T., Matsuo, H., Ando, H., Amano, T., Engstrøm, T., Sonck, J., Wilgenhof, A., Perera, D., Nakayama, M., Fearon, et al
2025; 413: 120632
 - **Absolute coronary blood flow measurement and the principle of microvascular resistance reserve.** *Cardiovascular intervention and therapeutics*
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