



## William Fearon, MD

Professor of Medicine (Cardiovascular Medicine) at the Stanford University Medical Center

Medicine - Cardiovascular Medicine

### CLINICAL OFFICES

- **Cardiovascular Medicine**

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### Bio

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#### 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 Director of Interventional Cardiology at Stanford University. Dr. Fearon is board certified in cardiovascular medicine and interventional cardiology, and he is a fellow of the American College of Cardiology, the American Heart Association, and the Society of Cardiovascular Angiography and Interventions. He was elected to the American Society of Clinical Investigation.

Dr. Fearon's primary area of research interest is in coronary physiology. He was the US principal investigator and senior author of the FAME trial, published in the New England Journal of Medicine and is a co-principal investigator and senior author of the FAME 2 trial, also published in the New England Journal of Medicine. He has presented and published a number of abstracts and peer-reviewed papers in this area, and serves on the editorial board of Circulation, the Journal of the American College of Cardiology, JACC Cardiovascular Interventions, and Circulation: Cardiovascular Interventions. He has been the principal investigator on NIH K23 and R01 awards and currently on an R61 evaluating cardiac allograft vasculopathy. Dr. Fearon's clinical activities include not only percutaneous coronary intervention, but also transcatheter aortic valve replacement.

#### CLINICAL FOCUS

- Interventional Cardiology
- Coronary Artery Disease
- Transcatheter aortic valve replacement
- Aortic Stenosis
- Coronary Physiology
- Cardiology

#### ACADEMIC APPOINTMENTS

- Professor - Med Center Line, Medicine - Cardiovascular Medicine

- Member, Cardiovascular Institute

## ADMINISTRATIVE APPOINTMENTS

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

## PROFESSIONAL EDUCATION

- 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
- Board Certification: Interventional Cardiology, American Board of Internal Medicine (2002)
- Board Certification: Cardiovascular Disease, American Board of Internal Medicine (2001)
- 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

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### 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 Comparison of Fractional Flow Reserve-Guided Percutaneous Coronary Intervention and Coronary Artery Bypass Graft Surgery in Patients With Multivessel Coronary Artery Disease, Recruiting
- A Study of Low-dose Intracoronary Thrombolytic Therapy in STEMI (Heart Attack) Patients., Recruiting
- Edwards PASCAL CLASP IID/IIF Pivotal Clinical Trial, Recruiting
- PCSK9 Inhibition After Heart Transplantation, Recruiting
- Portico Re-sheathable Transcatheter Aortic Valve System US IDE Trial, Recruiting
- Transcatheter Mitral Valve Replacement With the Medtronic Intrepid™ TMVR System in Patients With Severe Symptomatic Mitral Regurgitation, 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
- CONTRAST (Can cONTrast Injection Better Approximate FFR compAred to Pure reSTing Physiology?), Not Recruiting
- FAME II - Fractional Flow Reserve (FFR) Guided Percutaneous Coronary Intervention (PCI) Plus Optimal Medical Treatment (OMT) Verses OMT, Not Recruiting
- Fractional Flow Reserve Versus Angiography for Multivessel Evaluation (F.A.M.E.), Not Recruiting
- TAXUS Libert# Post Approval Study, Not Recruiting

## Teaching

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### GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Medicine (Masters Program)

## Publications

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### PUBLICATIONS

- **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. 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.  
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., Engstrom, 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., Engstrom, 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

- **Early invasive assessment of the coronary microcirculation predicts subsequent acute rejection after heart transplantation** *INTERNATIONAL JOURNAL OF CARDIOLOGY*  
Okada, K., Honda, Y., Luikart, H., Yock, P. G., Fitzgerald, P. J., Yeung, A. C., Valantine, H. A., Khush, K. K., Fearon, W. F.  
2019; 290: 27–32
- **Response by Fearon et al to Letter Regarding Article, "Accuracy of Fractional Flow Reserve Derived From Coronary Angiography".** *Circulation*  
Fearon, W. F., Kornowski, R., De Bruyne, B.  
2019; 140 (2): e96–e97
- **Assessing Nonculprit Coronary Disease in ST-Segment Elevation Myocardial Infarction With Physiological Testing.** *JAMA cardiology*  
Fearon, W. F.  
2019
- **FFR-guided PCI in STEMI.** *EuroIntervention : journal of EuroPCR in collaboration with the Working Group on Interventional Cardiology of the European Society of Cardiology*  
Nishi, T., Fearon, W. F.  
2019; 15 (2): 134–36
- **The prognostic importance of silent ischemia.** *International journal of cardiology*  
Fearon, W. F.  
2019
- **Conversation in cardiology: Is there a need for clinical trials for the nonhyperemic pressure ratios?** *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*  
Kern, M. J., Berry, C., deBruyne, B., Fearon, W., Jeremias, A., Johnson, N., Kandzari, D., Kirtane, A., Moses, J., Krucoff, M., Stone, G.  
2019
- **Optimal balloon positioning for the proximal optimization technique? An experimental bench study.** *International journal of cardiology*  
Derimay, F., Rioufol, G., Nishi, T., Kobayashi, Y., Fearon, W. F., Veziers, J., Guerin, P., Finet, G.  
2019
- **Index of Microcirculatory Resistance and Infarct Size** *JACC-CARDIOVASCULAR IMAGING*  
Fearon, W. F., Dash, R.  
2019; 12 (5): 849–51
- **A protocol update of the Fractional Flow Reserve versus Angiography for Multivessel Evaluation (FAME) 3 trial: A comparison of fractional flow reserve-guided percutaneous coronary intervention and coronary artery bypass graft surgery in patients with multivessel coronary artery disease.** *American heart journal*  
Zimmermann, F. M., De Bruyne, B., Pijls, N. H., Desai, M., Oldroyd, K. G., Reardon, M. J., Wendler, O., Woo, J., Yeung, A. C., Fearon, W. F.  
2019; 214: 156–57
- **Diastolic pressure ratio: new approach and validation vs. the instantaneous wave-free ratio.** *European heart journal*  
Johnson, N. P., Li, W., Chen, X., Hennigan, B., Watkins, S., Berry, C., Fearon, W. F., Oldroyd, K. G.  
2019
- **Early invasive assessment of the coronary microcirculation predicts subsequent acute rejection after heart transplantation.** *International journal of cardiology*  
Okada, K., Honda, Y., Luikart, H., Yock, P. G., Fitzgerald, P. J., Yeung, A. C., Valantine, H. A., Khush, K. K., Fearon, W. F.  
2019
- **Association of Improvement in Fractional Flow Reserve With Outcomes, Including Symptomatic Relief, After Percutaneous Coronary Intervention** *JAMA CARDIOLOGY*  
Fournier, S., Ciccarelli, G., Toth, G. G., Milkas, A., Xaplanteris, P., Tonino, P. L., Fearon, W. F., Pijls, N. J., Barbato, E., De Bruyne, B.  
2019; 4 (4): 370–74
- **Combination of Mean Platelet Volume and Neutrophil to Lymphocyte Ratio Predicts Long-Term Major Adverse Cardiovascular Events After Percutaneous Coronary Intervention** *ANGIOLOGY*  
Choi, D., Kobayashi, Y., Nishi, T., Kim, H., Ki, Y., Kim, S., Park, K., Song, H., Fearon, W. F.  
2019; 70 (4): 345–51

- **Combination of Mean Platelet Volume and Neutrophil to Lymphocyte Ratio Predicts Long-Term Major Adverse Cardiovascular Events After Percutaneous Coronary Intervention.** *Angiology*  
Choi, D., Kobayashi, Y., Nishi, T., Kim, H. K., Ki, Y., Kim, S. S., Park, K., Song, H., Fearon, W. F.  
2019; 70 (4): 345–51
- **PERIARTERIAL NEOVASCULARIZATION AND ATTENUATED-SIGNAL PLAQUE PREDICT LONG-TERM MORTALITY AFTER HEART TRANSPLANTATION: RISK STRATIFICATION WITH IVUS-DETERMINED CORONARY INFLAMMATORY FINDINGS**  
Kashiyama, K., Okada, K., Kitahara, H., Kameda, R., Hollak, M., Luikart, H., Yock, P., Yeung, A., Fitzgerald, P., Khush, K., Fearon, W., Honda, Y.  
ELSEVIER SCIENCE INC.2019: 1428
- **DIAGNOSTIC PERFORMANCE OF ANGIOGRAPHY-BASED FRACTIONAL FLOW RESERVE IN SUBGROUPS: REPORT FROM THE FAST-FFR STUDY**  
Kobayashi, Y., Collet, C., Achenbach, S., Engstrom, T., Assali, A., Shlofmitz, R., Jeremias, A., Fournier, S., Kirtane, A., Kornowski, R., Greenberg, G., Jubeh, R., Kolansky, et al  
ELSEVIER SCIENCE INC.2019: 1167
- **Association of Improvement in Fractional Flow Reserve With Outcomes, Including Symptomatic Relief, After Percutaneous Coronary Intervention.** *JAMA cardiology*  
Fournier, S., Ciccarelli, G., Toth, G. G., Milkas, A., Xaplanteris, P., Tonino, P. A., Fearon, W. F., Pijls, N. H., Barbato, E., De Bruyne, B.  
2019
- **Simultaneous Anatomic and Physiologic Assessment of Coronary Artery Disease With Coronary Angiography Alone: Seeing the Future.** *JACC. Cardiovascular interventions*  
Kobayashi, Y., Fearon, W. F.  
2019; 12 (3): 271–73
- **Simultaneous Anatomic and Physiologic Assessment of Coronary Artery Disease With Coronary Angiography Alone Seeing the Future** *JACC-CARDIOVASCULAR INTERVENTIONS*  
Kobayashi, Y., Fearon, W. F.  
2019; 12 (3): 271–73
- **Qualitative resting coronary pressure wave form analysis to predict fractional flow reserve** *EUROINTERVENTION*  
Matsumura, M., Maehara, A., Johnson, N. P., Fearon, W. F., De Bruyne, B., Oldroyd, K. G., Pijls, N. J., Jenkins, P., Ali, Z. A., Mintz, G. S., Stone, G. W., Jeremias, A.  
2019; 14 (15): E1601–E1608
- **Association of Endothelin-1 With Accelerated Cardiac Allograft Vasculopathy and Late Mortality Following Heart Transplantation** *JOURNAL OF CARDIAC FAILURE*  
Parikh, R. V., Khush, K., Pargaonkar, V. S., Luikart, H., Grimm, D., Yu, M., Okada, K., Honda, Y., Yeung, A. C., Valentine, H., Fearon, W. F.  
2019; 25 (2): 97–104
- **Predictive factors of discordance between the instantaneous wave-free ratio and fractional flow reserve.** *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*  
Derimay, F., Johnson, N. P., Zimmermann, F. M., Adjedj, J., Witt, N., Hennigan, B., Koo, B., Barbato, E., Esposito, G., Trimarco, B., Rioufol, G., Park, S., Baptista, et al  
2019
- **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*  
Zimmermann, F. M., Omerovic, E., Fournier, S., Kelbaek, H., Johnson, N. P., Rothenbuhler, M., Xaplanteris, P., Abdel-Wahab, M., Barbato, E., Hofsten, D., Tonino, P. L., Boxma-de Klerk, B. M., Fearon, et al  
2019; 40 (2): 180+
- **Coronary microvascular dysfunction and clinical outcomes in patients with heart failure with preserved ejection fraction.** *Journal of cardiac failure*  
Allan, T., Dryer, K., Fearon, W. F., Shah, S. J., Blair, J. E.  
2019
- **Effect of Baseline Left Ventricular Ejection Fraction on 2-Year Outcomes After Transcatheter Aortic Valve Replacement: Analysis of the PARTNER 2 Trials.** *Circulation. Heart failure*  
Furer, A., Chen, S., Redfors, B., Elmariah, S., Pibarot, P., Herrmann, H. C., Hahn, R. T., Kodali, S., Thourani, V. H., Douglas, P. S., Alu, M. C., Fearon, W. F., Passeri, et al

2019; 12 (8): e005809

- **Prognostic Value of Coronary Microvascular Function Measured Immediately After Percutaneous Coronary Intervention in Stable Coronary Artery Disease: An International Multicenter Study.** *Circulation. Cardiovascular interventions*  
Nishi, T., Murai, T., Ciccarelli, G., Shah, S. V., Kobayashi, Y., Derimay, F., Waseda, K., Moonen, A., Hoshino, M., Hirohata, A., Yong, A. S., Ng, M. K., Amano, et al  
2019; 12 (9): e007889
- **Safety and Efficacy of PCSK9 Inhibitors After Heart Transplantation.** *The Canadian journal of cardiology*  
Moayed, Y., Kozusko, S., Knowles, J. W., Chih, S., Oro, G., Lee, R., Fearon, W. F., Ross, H. J., Teuteberg, J. J., Khush, K. K.  
2019; 35 (1)
- **Safety and Efficacy of PCSK9 Inhibitors After Heart Transplantation** *CANADIAN JOURNAL OF CARDIOLOGY*  
Moayed, Y., Kozusko, S., Knowles, J. W., Chih, S., Oro, G., Lee, R., Fearon, W. F., Ross, H. J., Teuteberg, J. J., Khush, K. K.  
2019; 35 (1)
- **Pivotal Clinical Study to Evaluate the Safety and Effectiveness of the MANTA Percutaneous Vascular Closure Device.** *Circulation. Cardiovascular interventions*  
Wood, D. A., Krajcer, Z., Sathanathan, J., Strickman, N., Metzger, C., Fearon, W., Aziz, M., Satler, L. F., Waksman, R., Eng, M., Kapadia, S., Greenbaum, A., Szerlip, et al  
2019; 12 (7): e007258
- **Adrenomedullin and endothelin-1: Promising biomarkers of endothelial function, but not ready for prime time.** *International journal of cardiology*  
Parikh, R. V., Fearon, W. F.  
2019
- **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*  
Zimmermann, F. M., Omerovic, E., Fournier, S., Kelbak, H., Johnson, N. P., Rothenbuhler, M., Xaplanteris, P., Abdel-Wahab, M., Barbato, E., Hofsten, D. E., Tonino, P. A., Boxma-de Klerk, B. M., Fearon, et al  
2018
- **Association of Endothelin-1 with Accelerated Cardiac Allograft Vasculopathy and Late Mortality Following Heart Transplantation.** *Journal of cardiac failure*  
Parikh, R. V., Khush, K., Pargaonkar, V. S., Luikart, H., Grimm, D., Yu, M., Akada, K., Honda, Y., Yeung, A. C., Valantine, H., Fearon, W. F.  
2018
- **Cardiac allograft vasculopathy: A review** *CATHETERIZATION AND CARDIOVASCULAR INTERVENTIONS*  
Lee, M. S., Tadwalkar, R. V., Fearon, W. F., Kirtane, A. J., Patel, A. J., Patel, C. B., Ali, Z., Rao, S. V.  
2018; 92 (7): E527–E536
- **Usefulness of Asymmetric Dimethylarginine to Predict Outcomes After Heart Transplantation** *AMERICAN JOURNAL OF CARDIOLOGY*  
Parikh, R., Khush, K., Luikart, H., Sakarovich, C., Lee, J., Desai, M., Valantine, H., Yeung, A. C., Fearon, W. F.  
2018; 122 (10): 1707–11
- **Fractional flow reserve derived from routine coronary angiography** *INTERNATIONAL JOURNAL OF CARDIOLOGY*  
Nishi, T., Fearon, W. F.  
2018; 271: 51–52
- **Cytokines profile of reverse cardiac remodeling following transcatheter aortic valve replacement** *INTERNATIONAL JOURNAL OF CARDIOLOGY*  
Kim, J., Kobayashi, Y., Kuznetsova, T., Moneghetti, K. J., Brenner, D. A., O'Malley, R., Dao, C., Wu, J. C., Fischbein, M., Miller, D., Yeung, A. C., Liang, D., Haddad, et al  
2018; 270: 83–88
- **Is Post-Percutaneous Coronary Intervention Fractional Flow Reserve of Value in Chronic Total Occlusions?** *CIRCULATION-CARDIOVASCULAR INTERVENTIONS*  
Tremmel, J. A., Fearon, W. F.  
2018; 11 (11)
- **Cytokines profile of reverse cardiac remodeling following transcatheter aortic valve replacement.** *International journal of cardiology*  
Kim, J. B., Kobayashi, Y., Kuznetsova, T., Moneghetti, K. J., Brenner, D. A., O'Malley, R., Dao, C., Wu, J. C., Fischbein, M., Craig Miller, D., Yeung, A. C., Liang, D., Haddad, et al

2018; 270: 83–88

- **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. J., Fearon, et al  
2018; 138 (17): 1797–1804
- **Predicting Outcomes After Percutaneous Coronary Intervention Using Relative Change in Fractional Flow Reserve** *JACC-CARDIOVASCULAR INTERVENTIONS*  
Kobayashi, Y., Fearon, W. F.  
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