



## Michael Fischbein

Associate Professor of Cardiothoracic Surgery (Adult Cardiac Surgery)

 Curriculum Vitae available Online

### CLINICAL OFFICES

- **Cardiothoracic Surgery Clinic**

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### ACADEMIC CONTACT INFORMATION

- **Alternate Contact**

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### Bio

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### CLINICAL FOCUS

- Cardiothoracic Surgery
- Aortic Diseases
- Anomalous Coronary Artery (ACA)
- Aortic Stenosis
- Bicuspid Aortic Valve Disease
- Coarctation of the Aorta
- Coronary Artery Disease
- Rheumatic Heart Disease
- Thoracic Aortic Aneurysm (TAA)
- Valvular Heart Disease
- Abdominal Aneurysm Open Repair
- Aortic Valve Surgery
- Coronary Artery Bypass Graft Surgery
- Dissection
- Endovascular Aneurysm Repair
- Endovascular Stent Graft
- Heart Surgery
- Heart Valve Replacement/Repair
- Marfan Syndrome
- Loeys-Dietz Syndrome
- Transcatheter Aortic Valve Replacement (TAVR)

- Thoracic Aortic Aneurysm Open Repair
- Transcatheter Aortic Valve Implantation (TAVI)
- Valvular Surgery
- Thoracic Surgery (Cardiothoracic Vascular Surgery)

### **ACADEMIC APPOINTMENTS**

- Associate Professor - University Medical Line, Cardiothoracic Surgery
- Member, Cardiovascular Institute

### **HONORS AND AWARDS**

- Alpha Omega Alpha, Boston University School of Medicine (1994)
- Cum Laude Graduate, Boston University School of Medicine (1995)
- Caves Scientific Award, International Society for Heart and Lung Transplantation - Osaka, Japan (2000)
- Golden Scalpel Award for Teaching Excellence, Division of General Surgery - UCLA School of Medicine (2003)
- Ronald K. Tompkins Golden Apple Teaching Award, UCLA School of Medicine (2003)
- Donald Morton Research Award, Department of Surgery - UCLA School of Medicine (2003)

### **PROFESSIONAL EDUCATION**

- Board Certification: Thoracic Surgery (Cardiothoracic Vascular Surgery), American Board of Thoracic Surgery (2007)
- Medical Education: Boston University School of Medicine (1995) MA
- PhD Training: University of California Los Angeles (2001) CA
- Fellowship: Stanford University Dept of Cardiothoracic Surgery (2006) CA
- Residency: UCLA General Surgery Residency (2003) CA
- PhD, University of California, Los Angeles , Microbiology and Immunology (2001)
- MD, Boston University School of Medicine , Medicine - Cum Laude (1995)
- BS, University of California, Los Angeles , Kinesiology (1990)

### **LINKS**

- Stanford Adult Cardiac Services: <http://med.stanford.edu/ctsurgery/clinical-care/adult-cardiac-surgery-services.html>
- Make an Appointment: <http://med.stanford.edu/ctsurgery/contact-us.html#division-of-adult-cardiac-surgery>
- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>
- Stanford Thoracic Aortic Lab: <http://med.stanford.edu/fischbeinlab.html>
- Dr. Michael P. Fischbein Fellowship in Cardiothoracic Surgery Research: <http://med.stanford.edu/cssec/student-fellowship.html#dr.-michael-p.-fischbein-fellowship-in-cardiothoracic-surgery-research>
- Follow us on Twitter: <https://twitter.com/StanfordCTSurg>

## **Research & Scholarship**

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### **CURRENT RESEARCH AND SCHOLARLY INTERESTS**

Molecular and genetic mechanisms of aortic aneurysm/dissection development. Molecular mechanisms of aneurysm formation in Marfan Syndrome. Clinical research interests include thoracic aortic diseases (aneurysms, dissections).

### **CLINICAL TRIALS**

- Evaluation of the GORE® TBE Device in the Treatment of Lesions of the Aortic Arch and Descending Thoracic Aorta, Zone 2, Recruiting

- Feasibility Study for GORE® TAG® Thoracic Branch Endoprosthesis to Treat Proximal Descending Thoracic Aortic Aneurysms, Recruiting
- Evaluation of the GORE® TAG® Thoracic Branch Endoprosthesis (TBE Device) in the Treatment of Lesions of the Aortic Arch and Descending Thoracic Aorta (Zone 0/1), Not Recruiting
- PERIGON Pivotal Trial, Not Recruiting
- To Evaluate the Safety and Efficacy for GORE TAG Thoracic Endoprosthesis in the Treatment of Thoracic Aortic Disease, Not Recruiting

## Teaching

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### GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Cardiothoracic Surgery (Fellowship Program)

## Publications

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### PUBLICATIONS

- **Outcomes of Reoperative Aortic Root Replacement After Previous Acute Type A Dissection Repair.** *Seminars in thoracic and cardiovascular surgery*  
Pedroza, A. J., Dalal, A. R., Krishnan, A., Yokoyama, N., Nakamura, K., Tognozzi, E., Woo, Y. J., Macarthur, J. W., Fischbein, M. P.  
2023
- **Embryologic Origin Influences Smooth Muscle Cell Phenotypic Modulation Signatures in Murine Marfan Syndrome Aortic Aneurysm.** *Arteriosclerosis, thrombosis, and vascular biology*  
Pedroza, A. J., Dalal, A. R., Shad, R., Yokoyama, N., Nakamura, K., Cheng, P., Wirka, R. C., Mitchel, O., Baiocchi, M., Hiesinger, W., Quertermous, T., Fischbein, M. P.  
2022: 101161ATVBAHA122317381
- **Quantitative proteomics reveal lineage-specific protein profiles in iPSC-derived Marfan syndrome smooth muscle cells.** *Scientific reports*  
Iosef, C., Pedroza, A. J., Cui, J. Z., Dalal, A. R., Arakawa, M., Tashima, Y., Koyano, T. K., Burdon, G., Churovich, S. M., Orrick, J. O., Pariani, M., Fischbein, M. P.  
2020; 10 (1): 20392
- **Androgens Accentuate TGF-beta Dependent Erk/Smad Activation During Thoracic Aortic Aneurysm Formation in Marfan Syndrome Male Mice.** *Journal of the American Heart Association*  
Tashima, Y., He, H., Cui, J. Z., Pedroza, A. J., Nakamura, K., Yokoyama, N., Iosef, C., Burdon, G., Koyano, T., Yamaguchi, A., Fischbein, M. P.  
2020; 9 (20): e015773
- **Single-Cell Transcriptomic Profiling of Vascular Smooth Muscle Cell Phenotype Modulation in Marfan Syndrome Aortic Aneurysm.** *Arteriosclerosis, thrombosis, and vascular biology*  
Pedroza, A. J., Tashima, Y., Shad, R., Cheng, P., Wirka, R., Churovich, S., Nakamura, K., Yokoyama, N., Cui, J. Z., Iosef, C., Hiesinger, W., Quertermous, T., Fischbein, et al  
2020: ATVBAHA120314670
- **Time-to-operation does not predict outcome in acute type A aortic dissection complicated by neurologic injury at presentation** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*  
Chiu, P., Rotto, T. J., Goldstone, A. B., Whisenant, J. B., Woo, Y., Fischbein, M. P.  
2019; 158 (3): 665–72
- **Time-to-operation does not predict outcome in acute type A aortic dissection complicated by neurologic injury at presentation.** *The Journal of thoracic and cardiovascular surgery*  
Chiu, P., Rotto, T. J., Goldstone, A. B., Whisenant, J. B., Woo, Y. J., Fischbein, M. P.  
2018
- **Statins Reduce Thoracic Aortic Aneurysm Growth in Marfan Syndrome Mice via Inhibition of the Ras-Induced ERK (Extracellular Signal-Regulated Kinase) Signaling Pathway** *JOURNAL OF THE AMERICAN HEART ASSOCIATION*  
Sato, T., Arakawa, M., Tashima, Y., Tsuboi, E., Burdon, G., Trojan, J., Koyano, T., Young-Nam Youn, Penov, K., Pedroza, A. J., Shabazzi, M., Palmon, I., Nguyen, M., et al  
2018; 7 (21): e008543
- **Immediate operation for acute type A aortic dissection complicated by visceral or peripheral malperfusion** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*

- Chiu, P., Tsou, S., Goldstone, A. B., Louie, M., Woo, Y., Fischbein, M. P.  
2018; 156 (1): 18-+
- **Enhanced Caspase Activity Contributes to Aortic Wall Remodeling and Early Aneurysm Development in a Murine Model of Marfan Syndrome** *ARTERIOSCLEROSIS THROMBOSIS AND VASCULAR BIOLOGY*  
Emrich, F. C., Okamura, H., Dalal, A. R., Penov, K., Merk, D. R., Raaz, U., Hennigs, J. K., Chin, J. T., Miller, M. O., Pedroza, A. J., Craig, J. K., Koyano, T. K., Blankenberg, et al  
2015; 35 (1): 146-154
  - **Assessment of elastin deficit in a marfan mouse aneurysm model using an elastin-specific magnetic resonance imaging contrast agent.** *Circulation. Cardiovascular imaging*  
Okamura, H., Pisani, L. J., Dalal, A. R., Emrich, F., Dake, B. A., Arakawa, M., Onthank, D. C., Cesati, R. R., Robinson, S. P., Milanese, M., Kotek, G., Smit, H., Connolly, et al  
2014; 7 (4): 690-696
  - **miR-29b Participates in Early Aneurysm Development in Marfan Syndrome** *CIRCULATION RESEARCH*  
Merk, D. R., Chin, J. T., Dake, B. A., Maegdefessel, L., Miller, M. O., Kimura, N., Tsao, P. S., Iosef, C., Berry, G. J., Mohr, F. W., Spin, J. M., Alvira, C. M., Robbins, et al  
2012; 110 (2): 312-?
  - **Midterm Outcomes in Type A Aortic Dissection Repair with and without Malperfusion in a Hybrid Operating Room.** *Seminars in thoracic and cardiovascular surgery*  
Dalal, A. R., Dossabhoy, S., Heng, E., Yasin, A., Leipzig, M. M., Bonham, S. A., Fischbein, M. P., Lee, J. T., Woo, Y. J., Watkins, A. C.  
2022
  - **Registry of Aortic Diseases to Model Adverse Events and Progression (ROADMAP) in Uncomplicated Type B Aortic Dissection: Study Design and Rationale.** *Radiology. Cardiothoracic imaging*  
Mastrodicasa, D., Willemink, M. J., Turner, V. L., Hinostroza, V., Codari, M., Hanneman, K., Ouzounian, M., Ocazonez Trujillo, D., Afifi, R. O., Hedgire, S., Burris, N. S., Yang, B., Lacomis, et al  
2022; 4 (6): e220039
  - **Angiogenic stem cell delivery platform to augment post-infarction neovasculature and reverse ventricular remodeling.** *Scientific reports*  
Shin, H. S., Thakore, A., Tada, Y., Pedroza, A. J., Ikeda, G., Chen, I. Y., Chan, D., Jaatinen, K. J., Yajima, S., Pfrender, E. M., Kawamura, M., Yang, P. C., Wu, et al  
2022; 12 (1): 17605
  - **Total aortic arch replacement using a frozen elephant trunk device: Results of a 1-year US multicenter trial.** *The Journal of thoracic and cardiovascular surgery*  
Coselli, J. S., Roselli, E. E., Preventza, O., Malaisrie, S. C., Stewart, A., Stelzer, P., Takayama, H., Chen, E. P., Estrera, A. L., Gleason, T. G., Fischbein, M. P., Girardi, L. N., Patel, et al  
2022
  - **Inter-observer variability of expert-derived morphologic risk predictors in aortic dissection.** *European radiology*  
Willemink, M. J., Mastrodicasa, D., Madani, M. H., Codari, M., Chepelev, L. L., Mistelbauer, G., Hanneman, K., Ouzounian, M., Ocazonez, D., Afifi, R. O., Lacomis, J. M., Lovato, L., Pacini, et al  
2022
  - **Mid-Term Outcomes of Endovascular Repair of Aortic Arch Aneurysms with the Gore Thoracic Branch Endoprosthesis.** *European journal of vascular and endovascular surgery : the official journal of the European Society for Vascular Surgery*  
Liang, N. L., Dake, M. D., Fischbein, M. P., Bavaria, J. E., Desai, N. D., Oderich, G. S., Singh, M. J., Fillinger, M., Suckow, B. D., Matsumura, J. S., Patel, H. J., Makaroun, M. S.  
2022
  - **Mosaicism for the smooth muscle cell (SMC)-specific knock-in of the Acta2 R179C pathogenic variant: Implications for gene editing therapies.** *Journal of molecular and cellular cardiology*  
Kaw, A., Pedroza, A. J., Chattopadhyay, A., Pinard, A., Guo, D., Kaw, K., Zhou, Z., Shad, R., Fischbein, M. P., Kwartler, C. S., Milewicz, D. M.  
2022; 171: 102-104
  - **Tetralogy of Fallot and Aortic Dissection: Implications in Management.** *JACC. Case reports*  
Vaikunth, S. S., Chan, J. L., Woo, J. P., Bykhovsky, M. R., Lui, G. K., Ma, M., Romfh, A. W., Lamberti, J., Mastrodicasa, D., Fleischmann, D., Fischbein, M. P.  
2022; 4 (10): 581-586

- **Smad3 regulates smooth muscle cell fate and mediates adverse remodeling and calcification of the atherosclerotic plaque.** *Nature cardiovascular research*  
Cheng, P., Wirka, R. C., Kim, J. B., Kim, H. J., Nguyen, T., Kundu, R., Zhao, Q., Sharma, D., Pedroza, A., Nagao, M., Iyer, D., Fischbein, M. P., Quertermous, et al  
2022; 1 (4): 322-333
- **Imaging and Surveillance of Chronic Aortic Dissection: A Scientific Statement From the American Heart Association.** *Circulation. Cardiovascular imaging*  
Fleischmann, D., Afifi, R. O., Casanegra, A. I., Elefteriades, J. A., Gleason, T. G., Hanneman, K., Roselli, E. E., Willemink, M. J., Fischbein, M. P.  
2022; 15 (3): e000075
- **Acute Induced Pressure Overload Rapidly Incites Thoracic Aortic Aneurysmal Smooth Muscle Cell Phenotype.** *Hypertension (Dallas, Tex. : 1979)*  
Pedroza, A. J., Shad, R., Dalal, A. R., Yokoyama, N., Nakamura, K., Hiesinger, W., Fischbein, M. P.  
2022: HYPERTENSIONAHA12118640
- **The Society of Thoracic Surgeons/American Association for Thoracic Surgery clinical practice guidelines on the management of type B aortic dissection.** *The Journal of thoracic and cardiovascular surgery*  
MacGillivray, T. E., Gleason, T. G., Patel, H. J., Aldea, G. S., Bavaria, J. E., Beaver, T. M., Chen, E. P., Czerny, M., Estrera, A. L., Firestone, S., Fischbein, M. P., Hughes, G. C., Hui, et al  
1800
- **The Society of Thoracic Surgeons/American Association for Thoracic Surgery Clinical Practice Guidelines on the Management of Type B Aortic Dissection.** *The Annals of thoracic surgery*  
MacGillivray, T. E., Gleason, T. G., Patel, H. J., Aldea, G. S., Bavaria, J. E., Beaver, T. M., Chen, E. P., Czerny, M., Estrera, A. L., Firestone, S., Fischbein, M. P., Hughes, G. C., Hui, et al  
2022
- **Distance between valvular leaflet and coronary ostium predicting risk of coronary obstruction during TAVR.** *International journal of cardiology. Heart & vasculature*  
Oh, J., Kobayashi, Y., Kang, G., Nishi, T., Willemink, M. J., Fearon, W. F., Fischbein, M., Fleishmann, D., Yeung, A. C., Kim, J. B.  
1800; 37: 100917
- **Management of arch aneurysms with a single-branch thoracic endograft in zone 0.** *JTCVS techniques*  
Dake, M. D., Bavaria, J. E., Singh, M. J., Oderich, G., Filinger, M., Fischbein, M. P., Matsumura, J. S., Patel, H. J.  
2021; 7: 1-6
- **Management of arch aneurysms with a single-branch thoracic endograft in zone 0 JTCVS TECHNIQUES**  
Dake, M. D., Bavaria, J. E., Singh, M. J., Oderich, G., Filinger, M., Fischbein, M. P., Matsumura, J. S., Patel, H. J.  
2021; 7: 1-6
- **INTRAOPERATIVE INDUCIBILITY OF ATRIAL FIBRILLATION IMPROVES RISK STRATIFICATION AND REDUCES POST-OPERATIVE ATRIAL FIBRILLATION**  
Pong, T., Cyr, K., Carlton, C., Niesen, J., Aparicio-Valenzuela, J., Fischbein, M., Woo, Y., Boyd, J., Lee, A.  
ELSEVIER SCIENCE INC.2021: 1592
- **Evaluation of the Gore TAG Thoracic Branch Endoprosthesis in the Treatment of Proximal Descending Thoracic Aortic Aneurysms.** *Journal of vascular surgery*  
Dake, M. D., Fischbein, M. P., Bavaria, J. E., Desai, N. D., Oderich, G., Singh, M. J., Fillinger, M., Suckow, B. D., Matsumura, J. S., Patel, H. J.  
2021
- **2021 The American Association for Thoracic Surgery expert consensus document: Surgical treatment of acute type A aortic dissection.** *The Journal of thoracic and cardiovascular surgery*  
Malaisrie, S. C., Szeto, W. Y., Halas, M., Girardi, L. N., Coselli, J. S., Sundt, T. M., Chen, E. P., Fischbein, M. P., Gleason, T. G., Okita, Y., Ouzounian, M., Patel, H. J., Roselli, et al  
2021
- **CTA pulmonary artery enlargement in patients with severe aortic stenosis: Prognostic impact after TAVR.** *Journal of cardiovascular computed tomography*  
Turner, V. L., Jubran, A., Kim, J. B., Maret, E., Moneghetti, K. J., Haddad, F., Amsallem, M., Codari, M., Hinostroza, V., Mastrodicasa, D., Sailer, A. M., Kobayashi, Y., Nishi, et al  
2021
- **Generation of Vascular Smooth Muscle Cells From Induced Pluripotent Stem Cells: Methods, Applications, and Considerations.** *Circulation research*  
Shen, M., Quertermous, T., Fischbein, M. P., Wu, J. C.

2021; 128 (5): 670–86

- **Relative strain is a novel predictor of aneurysmal degeneration of the thoracic aorta: An ex vivo mechanical study.** *JVS-vascular science*  
Chiu, P., Lee, H., Dalal, A. R., Koyano, T., Nguyen, M., Connolly, A. J., Chaudhuri, O., Fischbein, M. P.  
2021; 2: 235-246
- **Introduction to the 2021 Cardiovascular Surgery Themed Issue of Circulation.** *Circulation*  
Ruel, M., Fischbein, M.  
2021; 144 (14): 1087
- **Deep Learning-Based 3D Segmentation of True Lumen, False Lumen, and False Lumen Thrombosis in Type-B Aortic Dissection.** *Annual International Conference of the IEEE Engineering in Medicine and Biology Society. IEEE Engineering in Medicine and Biology Society. Annual International Conference*  
Wobben, L. D., Codari, M., Mistelbauer, G., Pepe, A., Higashigaito, K., Hahn, L. D., Mastrodicasa, D., Turner, V. L., Hinostroza, V., Baumler, K., Fischbein, M. P., Fleischmann, D., Willemink, et al  
2021; 2021: 3912-3915
- **Surgical technique for atrial-esophageal fistula repair after catheter ablation: An underrecognized complication** *JTCVS TECHNIQUES*  
Guenthart, B. A., Sun, B., De Biasi, A., Fischbein, M. P., Liou, D. Z.  
2020; 4: 169-172
- **Surgical technique for atrial-esophageal fistula repair after catheter ablation: An underrecognized complication.** *JTCVS techniques*  
Guenthart, B. A., Sun, B., De Biasi, A., Fischbein, M. P., Liou, D. Z.  
2020; 4: 169-172
- **Introduction to the 2020 Circulation Cardiovascular Surgery-Themed Issue.** *Circulation*  
Ruel, M., Gardner, T., Fischbein, M., de Lemos, J.  
2020; 142 (14): 1313–14
- **Impact of cognitive behavioral therapy on depression symptoms after transcatheter aortic valve replacement: A randomized controlled trial.** *International journal of cardiology*  
Edwards, K. S., Chow, E. K., Dao, C., Hossepian, D., Johnson, A. G., Desai, M., Shah, S., Lee, A., Yeung, A. C., Fischbein, M., Fearon, W. F.  
2020
- **CT-based True- and False-Lumen Segmentation in Type B Aortic Dissection Using Machine Learning.** *Radiology. Cardiothoracic imaging*  
Hahn, L. D., Mistelbauer, G., Higashigaito, K., Koci, M., Willemink, M. J., Sailer, A. M., Fischbein, M., Fleischmann, D.  
2020; 2 (3): e190179
- **Screening and Prophylactic Amiodarone Reduces Post-Operative Atrial Fibrillation in At-Risk Patients** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*  
Pong, T., Cyr, K., Niesen, J., Aparicio-Valenzuela, J., Carlton, C., Fischbein, M. P., Woo, Y., Boyd, J. H., Lee, A. M.  
2020; 75 (11): 1361–63
- **Fluid-structure interaction simulations of patient-specific aortic dissection.** *Biomechanics and modeling in mechanobiology*  
Baumler, K., Vedula, V., Sailer, A. M., Seo, J., Chiu, P., Mistelbauer, G., Chan, F. P., Fischbein, M. P., Marsden, A. L., Fleischmann, D.  
2020
- **Type A Aortic Dissection-Experience Over 5 Decades: JACC Historical Breakthroughs in Perspective.** *Journal of the American College of Cardiology*  
Zhu, Y. n., Lingala, B. n., Baiocchi, M. n., Tao, J. J., Toro Arana, V. n., Khoo, J. W., Williams, K. M., Traboulsi, A. A., Hammond, H. C., Lee, A. M., Hiesinger, W. n., Boyd, J. n., Oyer, et al  
2020; 76 (14): 1703–13
- **Bicuspid Aortic Valve and Ascending Aortic Aneurysm in a Twin Pregnancy.** *JACC. Case reports*  
Bryant, E., Tsai, S., Levin, E., Fleischman, D., Ansari, J., Fischbein, M., Bianco, K., Khandelwal, A.  
2020; 2 (1): 96-100
- **Off-Pump Mini Thoracotomy Versus Sternotomy for Left Anterior Descending Myocardial Bridge Unroofing.** *The Annals of thoracic surgery*  
Wang, H. n., Pargaonkar, V. S., Hironaka, C. E., Bajaj, S. S., Abbot, C. J., O'Donnell, C. T., Miller, S. L., Honda, Y. n., Rogers, I. S., Tremmel, J. A., Fischbein, M. P., Mitchell, R. S., Schnittger, et al  
2020
- **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)
- **Divergent effects of canonical and non-canonical TGF-beta signalling on mixed contractile-synthetic smooth muscle cell phenotype in human Marfan syndrome aortic root aneurysms.** *Journal of cellular and molecular medicine*  
Pedroza, A. J., Koyano, T., Trojan, J., Rubin, A., Palmon, I., Jaatinen, K., Burdon, G., Chang, P., Tashima, Y., Cui, J. Z., Berry, G., Iosef, C., Fischbein, et al  
2019
  - **Improved midterm outcomes after endovascular repair of nontraumatic descending thoracic aortic rupture compared with open surgery.** *The Journal of thoracic and cardiovascular surgery*  
Ogawa, Y., Watkins, A. C., Lingala, B., Nathan, I., Chiu, P., Iwakoshi, S., He, H., Lee, J. T., Fischbein, M., Woo, Y. J., Dake, M. D.  
2019
  - **Utility of High-Sensitivity and Conventional Troponin in Patients Undergoing Transcatheter Aortic Valve Replacement: Incremental Prognostic Value to B-type Natriuretic Peptide.** *Scientific reports*  
Kobayashi, Y., Kim, J. B., Moneghetti, K. J., Fischbein, M., Lee, A., Watkins, C. A., Yeung, A. C., Liang, D., Ozen, M. O., Demirci, U., Bowen, R., Fearon, W. F., Haddad, et al  
2019; 9 (1): 14936
  - **"Cheese Wire" Fenestration of Dissection Intimal Flap to Facilitate Thoracic Endovascular Aortic Repair in Chronic Dissection.** *Journal of vascular and interventional radiology : JVIR*  
Iwakoshi, S., Watkins, C. A., Ogawa, Y., Fischbein, M., Lee, A., Lee, J. T., Hiesinger, W., Dake, M. D.  
2019
  - **Anatomically specific reactive oxygen species production participates in Marfan syndrome aneurysm formation.** *Journal of cellular and molecular medicine*  
Emrich, F., Penov, K., Arakawa, M., Dhablania, N., Burdon, G., Pedroza, A. J., Koyano, T. K., Kim, Y. M., Raaz, U., Connolly, A. J., Iosef, C., Fischbein, M. P.  
2019
  - **Endovascular Versus Open Repair of Intact Descending Thoracic Aortic Aneurysms** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*  
Chiu, P., Goldstone, A. B., Schaffer, J. M., Lingala, B., Miller, D., Mitchell, R., Woo, Y., Fischbein, M. P., Dake, M. D.  
2019; 73 (6): 643–51
  - **Current evidence for prosthesis selection: What can we really say?** *The Journal of thoracic and cardiovascular surgery*  
Chiu, P. n., Goldstone, A. B., Fischbein, M. P., Woo, Y. J.  
2019
  - **Incremental Value of Aortomitral Continuity Calcification for Risk Assessment after Transcatheter Aortic Valve Replacement.** *Radiology. Cardiothoracic imaging*  
Willeminck, M. J., Maret, E. n., Moneghetti, K. J., Kim, J. B., Haddad, F. n., Kobayashi, Y. n., Nishi, T. n., Nieman, K. n., Cauwenberghs, N. n., Kuznetsova, T. n., Higashigaito, K. n., Sailer, A. M., Yeung, et al  
2019; 1 (5): e190067
  - **Aortic growth and development of partial false lumen thrombosis are associated with late adverse events in type B aortic dissection.** *The Journal of thoracic and cardiovascular surgery*  
Higashigaito, K. n., Sailer, A. M., van Kuijk, S. M., Willeminck, M. J., Hahn, L. D., Hastie, T. J., Miller, D. C., Fischbein, M. P., Fleischmann, D. n.  
2019
  - **Interfacility Transfer of Medicare Beneficiaries With Acute Type A Aortic Dissection and Regionalization of Care in the United States.** *Circulation*  
Goldstone, A. B., Chiu, P. n., Baiocchi, M. n., Lingala, B. n., Lee, J. n., Rigdon, J. n., Fischbein, M. P., Woo, Y. J.  
2019; 140 (15): 1239–50
  - **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  
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