



Michael Fischbein

Thelma and Henry Doelger Professor of Cardiovascular Surgery
Cardiothoracic Surgery

 Curriculum Vitae available Online

CLINICAL OFFICE (PRIMARY)

- **Cardiothoracic Surgery Clinic**

300 Pasteur Dr

Falk Bldg CVRB ULN MC 5407

Stanford, CA 94305

Tel (650) 724-7500 **Fax** (650) 736-0901

ACADEMIC CONTACT INFORMATION

- **Alternate Contact**

Ray Aguirre - Administrative Associate

Email rayaguir@stanford.edu

Tel (650) 498-5485

Bio

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 and Cardiac Surgery

ACADEMIC APPOINTMENTS

- 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 and Cardiac 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

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).

Teaching

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Yan Min

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Cardiothoracic Surgery (Fellowship Program)

Publications

PUBLICATIONS

- **Loeys-Dietz Syndrome: 2026 updated care management primer.** *Genetics in medicine : official journal of the American College of Medical Genetics*
MacCarrick, G., Afifi, R. O., Allen, R., Almpani, K., Black, J. H., Boyce, A. M., Braverman, A. C., Cameron, D. E., Caplan, J., Cervi, E., Cha, M. J., Christensen, J., van de Laar, et al
2026: 102577
- **Loeys-Dietz syndrome subtypes exhibit distinct clinical behavior and aortic cellular transcriptomic profiles.** *JTCVS open*
Pedroza, A. J., Dalal, A. R., Kim, J., Duda, M., Tognozzi, E., Gilles, C., Miller, D. C., Fischbein, M. P.
2025; 26: 1-14
- **Chemokine (C-C Motif) Ligand 2 Expressing Adventitial Fibroblast Expansion During Loeys-Dietz Syndrome Aortic Aneurysm Formation.** *Arteriosclerosis, thrombosis, and vascular biology*
Dalal, A. R., Pedroza, A. J., Kim, J., Gilles, C., Gu, W., Kusadokoro, S., Shad, R., Mitchel, O., Jackson, W., Hiesinger, W., Berry, G., Gallo MacFarlane, E., Quertermous, et al
2025
- **Early clinical outcomes and molecular smooth muscle cell phenotyping using a prophylactic aortic arch replacement strategy in Loeys-Dietz syndrome.** *The Journal of thoracic and cardiovascular surgery*
Pedroza, A. J., Cheng, P., Dalal, A. R., Baeumler, K., Kino, A., Tognozzi, E., Shad, R., Yokoyama, N., Nakamura, K., Mitchel, O., Hiesinger, W., MacFarlane, E. G., Fleischmann, et al
2023
- **Smooth Muscle Cell Klf4 Expression Is Not Required for Phenotype Modulation or Aneurysm Formation in Marfan Syndrome Mice.** *Arteriosclerosis, thrombosis, and vascular biology*
Pedroza, A. J., Dalal, A. R., Shad, R., Yokoyama, N., Nakamura, K., Mitchel, O., Gilles, C., Hiesinger, W., Fischbein, M. P.
2023
- **Lineage-Specific Induced Pluripotent Stem Cell-Derived Smooth Muscle Cell Modeling Predicts Integrin Alpha-V Antagonism Reduces Aortic Root Aneurysm Formation in Marfan Syndrome Mice.** *Arteriosclerosis, thrombosis, and vascular biology*
Nakamura, K., Dalal, A. R., Yokoyama, N., Pedroza, A. J., Kusadokoro, S., Mitchel, O., Gilles, C., Masoudian, B., Leipzig, M., Casey, K. M., Hiesinger, W., Uchida, T., Fischbein, et al
2023
- **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: ATVBHA120314670
 - **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., Milanesi, 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-?
 - **Deep reinforcement learning for automatic anatomic CT landmark localization in Stanford Type B aortic dissection.** *Radiology advances*
Bäumler, K., Codari, M., Mastrodicasa, D., Mistelbauer, G., Willeminck, M. J., Walters, S., Hinostroza, V., Turner, V., Chepelev, L., Sriprachyakul, A., Madani, M. H., Ewane, A., Chen, et al
2026; 3 (2): umag006
 - **Leveraging Single-Nucleus Chromatin Accessibility and Transcriptome Profiling to Define the Regulatory Landscape of Dilated Cardiomyopathy**
Dunkenberger, L., Gilles, C., Belbachir, N., Metzli Raz, E., Limbu, L., Bonham, S., Arthur, J., Dalal, A., Kay, M., Baum, R., Neofytou, E., Ramchandani, R., Ameen, et al

LIPPINCOTT WILLIAMS & WILKINS.2025

- **Mapping the Gene Network Dysregulation in Ascending Aortic Aneurysm Reveals Candidate Therapeutic Targets**
Kurtoglu, S., Venkatesh, M., Bolar, N., Cheng, P., Fischbein, M., Theodoris, C.
LIPPINCOTT WILLIAMS & WILKINS.2025
- **The epigenomic landscape of single vascular cells reflects developmental origin and identifies disease risk loci**
Weldy, C., Kundu, S., Monteiro, J., Gu, W., Pedroza, A., Dalal, A., Worssam, M., Li, D., Palmisano, B., Zhao, Q., Sharma, D., Nguyen, T., Kundu, et al
LIPPINCOTT WILLIAMS & WILKINS.2025
- **A cell and transcriptome atlas of human arterial vasculature.** *Cell genomics*
Zhao, Q., Pedroza, A., Sharma, D., Gu, W., Dalal, A., Weldy, C., Jackson, W., Li, D. Y., Ryan, Y., Nguyen, T., Shad, R., Palmisano, B. T., Monteiro, et al
2025: 101034
- **Epigenomic landscape of single vascular cells reflects developmental origin and disease risk loci.** *Molecular systems biology*
Weldy, C. S., Kundu, S., Monteiro, J., Gu, W., Pedroza, A. J., Dalal, A. R., Worssam, M. D., Li, D., Palmisano, B., Zhao, Q., Sharma, D., Nguyen, T., Kundu, et al
2025
- **Left Ventricular Health and TAVR Timing in Asymptomatic Severe Aortic Stenosis: Analysis From the EARLY TAVR Trial.** *Journal of the American College of Cardiology*
Lindman, B. R., Pibarot, P., Schwartz, A., Cohen, D. J., Giustino, G., Oldemeyer, J. B., Strote, J. A., Babaliaros, V., Devireddy, C. M., Fearon, W. F., Fischbein, M. P., Daniels, D., Spies, et al
2025
- **Immature Acta2R179C/+ smooth muscle cells cause moyamoya-like cerebrovascular lesions in mice prevented by boosting OXPPOS.** *Nature communications*
Kaw, A., Majumder, S., Esparza Pinelo, J. E., Wu, T., Starosolski, Z., Zhou, Z., Pedroza, A. J., Duan, X., Kaw, K., Gonzalez, A. D., Sarkar, R., Fischbein, M. P., Lorenzi, et al
2025; 16 (1): 6105
- **The Western Aortic Collaborative: Multi-institutional Aortic Surgery, Education, and Research.** *Aorta (Stamford, Conn.)*
McCarthy, F. H., Burke, C. R., Glotzbach, J. P., Fischbein, M. P., Caffarelli, A., Fleischman, F., Reece, T. B.
2025
- **The epigenomic landscape of single vascular cells reflects developmental origin and identifies disease risk loci.** *bioRxiv : the preprint server for biology*
Weldy, C. S., Kundu, S., Monteiro, J., Gu, W., Pedroza, A. J., Dalal, A. R., Worssam, M. D., Li, D., Palmisano, B., Zhao, Q., Sharma, D., Nguyen, T., Kundu, et al
2025
- **Type A intramural hematoma over 21 years: A single center's experience** *JTCVS OPEN*
Kim, J., Baiocchi, M., Leipzig, M., Duda, M., Aranda-Michel, E., Tognozzi, E., Higa, K., Zhu, Y., Macarthur, J., Woo, Y., Fischbein, M. P.
2025; 23: 1-18
- **Predicting Late Adverse Events in Uncomplicated Stanford Type B Aortic Dissection: Results From the ROADMAP Validation Study.** *Circulation. Cardiovascular imaging*
Fleischmann, D., Mastrodicasa, D., Willemink, M. J., Turner, V. L., Hinojosa, V., Burris, N. S., Yang, B., Hanneman, K., Ouzounian, M., Ocazonez Trujillo, D., Affi, R. O., Estrera, A. L., Lacomis, et al
2025; 18 (2): e016766
- **Intrinsic GATA4 expression sensitizes the aortic root to dilation in a Loeys-Dietz syndrome mouse model.** *Nature cardiovascular research*
Bramel, E. E., Espinoza Camejo, W. A., Creamer, T. J., Restrepo, L., Saqib, M., Bagirzadeh, R., Zeng, A., Mitchell, J. T., Stein-O'Brien, G. L., Pedroza, A. J., Fischbein, M. P., Dietz, H. C., Gallo MacFarlane, et al
2024
- **Transcatheter Aortic-Valve Replacement for Asymptomatic Severe Aortic Stenosis.** *The New England journal of medicine*
Généreux, P., Schwartz, A., Oldemeyer, J. B., Pibarot, P., Cohen, D. J., Blanke, P., Lindman, B. R., Babaliaros, V., Fearon, W. F., Daniels, D. V., Chhatriwalla, A. K., Kavinsky, C., Gada, et al
2024

- **Intrinsic Gata4 expression sensitizes the aortic root to dilation in a Loeys-Dietz syndrome mouse model.** *Research square*
Bramel, E. E., Camejo, W. A., Creamer, T. J., Restrepo, L., Saqib, M., Bagirzadeh, R., Zeng, A., Mitchell, J. T., Stein-O'Brien, G. L., Pedroza, A. J., Fischbein, M. P., Dietz, H. C., MacFarlane, et al
2024
- **Initial Outcomes of the Gore TAG Thoracic Branch Endoprosthesis for Endovascular Repair of Blunt Thoracic Aortic Injury.** *Annals of vascular surgery*
Chou, E. L., Lu, E., Dake, M. D., Fischbein, M. P., Bavaria, J. E., Oderich, G., Makaroun, M. S., Charlton-Ouw, K. M., Naslund, T., Suckow, B. D., Matsumura, J. S., Patel, H. J., Azizzadeh, et al
2024
- **Comprehensive Integration of Multiple Single-Cell Transcriptomic Datasets Defines Distinct Cell Populations and Their Phenotypic Changes in Murine Atherosclerosis.** *Arteriosclerosis, thrombosis, and vascular biology*
Sharma, D., DeForest Worssam, M., Pedroza, A. J., Dalal, A. R., Alemany, H., Kim, H. J., Kundu, R., Fischbein, M., Cheng, P., Wirka, R., Quertermous, T.
2023
- **Introduction to the 2023 Cardiovascular Surgery Issue.** *Circulation*
Ruel, M., Fischbein, M. P., de Lemos, J. A.
2023; 148 (17): 1287-1288
- **Augmenting Mitochondrial Respiration in Immature Smooth Muscle Cells with anACTA2Pathogenic Variant Mitigates Moyamoya-like Cerebrovascular Disease.** *Research square*
Kaw, A., Wu, T., Starosolski, Z., Zhou, Z., Pedroza, A. J., Majumder, S., Duan, X., Kaw, K., Pinelo, J. E., Fischbein, M. P., Lorenzi, P. L., Tan, L., Martinez, et al
2023
- **Nuclear smooth muscle α -actin participates in vascular smooth muscle cell differentiation** *NATURE CARDIOVASCULAR RESEARCH*
Kwartler, C. S., Pedroza, A. J., Kaw, A., Guan, P., Ma, S., Duan, X., Kernell, C., Wang, C., Pinelo, J., Bowen, M., Chen, J., Zhong, Y., Sinha, et al
2023; 2 (10): 937-+
- **Nuclear Smooth Muscle α -actin Participates in Vascular Smooth Muscle Cell Differentiation.** *Nature cardiovascular research*
Kwartler, C. S., Pedroza, A. J., Kaw, A., Guan, P., Ma, S., Duan, X. Y., Kernell, C., Wang, C., Pinelo, J. E., Bowen, M. S., Chen, J., Zhong, Y., Sinha, et al
2023; 2 (10): 937-955
- **Blood transfusion in cardiac surgeries - Toward a personalized protocol.** *American journal of surgery*
Min, Y., Dalal, A. R., Pedroza, A. J., Pham, T. D., Panigrahi, A. K., Goldstone, A. B., MacArthur, J. W., Woo, Y. J., Baiocchi, M., Fischbein, M. P.
2023
- **Reduced Pulmonary Artery Distensibility Predicts Persistent Pulmonary Hypertension and 2-Year Mortality in Patients with Severe Aortic Stenosis Undergoing TAVR.** *Academic radiology*
Turner, V., Maret, E., Kim, J. B., Codari, M., Hinostrroza, V., Mastrodicasa, D., Watkins, A. C., Fearon, W. F., Fischbein, M. P., Haddad, F., Willemink, M. J., Fleischmann, D.
2023
- **Outcomes after concomitant arch replacement at the time of aortic root surgery.** *JTCVS open*
Krishnan, A., Dalal, A. R., Pedroza, A. J., Nakamura, K., Yokoyama, N., Tognozzi, E., Woo, Y. J., Fischbein, M., MacArthur, J. W.
2023; 13: 1-8
- **Blood transfusion in aortic root surgery impairs midterm survival.** *JTCVS open*
Dalal, A. R., Pedroza, A. J., Krishnan, A., Min, Y., Tognozzi, E., Yokoyama, N., Nakamura, K., Mitchel, O. R., Baiocchi, M., Woo, Y. J., MacArthur, J. W., Fischbein, M. P.
2023; 13: 9-19
- **Nuclear Smooth Muscle α -actin in Vascular Smooth Muscle Cell Differentiation.** *Research square*
Kwartler, C. S., Pedroza, A. J., Kaw, A., Guan, P., Ma, S., Duan, X. Y., Kernell, C., Wang, C., Pinelo, J. E., Borthwick, M. S., Chen, J., Zhong, Y., Sinha, et al
2023
- **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., Hinojosa, V., Codari, M., Hanneman, K., Ouzounian, M., Ocazionez Trujillo, D., Affi, 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., Ocazionez, D., Affi, 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., Willeminck, 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., Filingner, 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., Filingner, 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., Fillingner, 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., Hinostrroza, 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., Hinostrroza, V., Baumler, K., Fischbein, M. P., Fleischmann, D., Willeminck, 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*
Willemink, 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., Willemink, 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
2018; 270: 83–88
- **PREDICTING MORTALITY WITH AORTOMITRAL CALCIFICATIONS IN 317 TAVR PATIENTS**
Willemink, M., Maret, E., Moneghetti, K., Kim, J., Haddad, F., Kobayashi, Y., Higashigaito, K., Yeung, A., Lee, A., Miller, D., Fischbein, M., Fearon, W., Fleischmann, et al
ELSEVIER SCIENCE INC.2018: 1591
- **Two-stage surgical approach for ruptured Salmonella aortitis** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
Brewer, Z. E., Dake, M. D., Fischbein, M. P.
2018; 155 (3): E87–E89
- **Acute Limited Intimal Tears of the Thoracic Aorta.** *Journal of the American College of Cardiology*
Chin, A. S., Willemink, M. J., Kino, A. n., Hinostroza, V. n., Sailer, A. M., Fischbein, M. P., Mitchell, R. S., Berry, G. J., Miller, D. C., Fleischmann, D. n.
2018; 71 (24): 2773–85
- **Limited root repair in acute type A aortic dissection is safe but results in increased risk of reoperation** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*

- Chiu, P., Trojan, J., Tsou, S., Goldstone, A. B., Woo, Y., Fischbein, M. P.
2018; 155 (1): 1-+
- **Immediate operation for acute type A aortic dissection complicated by visceral or peripheral malperfusion.** *The Journal of thoracic and cardiovascular surgery*
Chiu, P. n., Tsou, S. n., Goldstone, A. B., Louie, M. n., Woo, Y. J., Fischbein, M. P.
2018
 - **Novel role of NANOG in smooth muscle cell phenotypic modulation during aortic dissections** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
Shahbazi, M., Fischbein, M.
2017; 154 (5): 1522–23
 - **Impact of Discordant Views in the Management of Descending Thoracic Aortic Aneurysm** *SEMINARS IN THORACIC AND CARDIOVASCULAR SURGERY*
Chiu, P., Sailer, A., Baiocchi, M., Goldstone, A. B., Schaffer, J. M., Trojan, J., Fleischmann, D., Mitchell, R., Miller, D., Dake, M. D., Woo, Y., Lee, J. T., Fischbein, et al
2017; 29 (3): 283–91
 - **Dynamic changes in aortic impedance after transcatheter aortic valve replacement and its impact on exploratory outcome.** *international journal of cardiovascular imaging*
Kobayashi, Y., Kim, J. B., Moneghetti, K. J., Kobayashi, Y., Zhang, R., Brenner, D. A., O'Malley, R., Schnittger, I., Fischbein, M., Miller, D. C., Yeung, A. C., Liang, D., Haddad, et al
2017
 - **Gene expression profiling of acute type A aortic dissection combined with in vitroassessment†.** *European journal of cardio-thoracic surgery*
Kimura, N., Futamura, K., Arakawa, M., Okada, N., Emrich, F., Okamura, H., Sato, T., Shudo, Y., Koyano, T. K., Yamaguchi, A., Adachi, H., Matsuda, A., Kawahito, et al
2017
 - **Long-term miR-29b suppression reduces aneurysm formation in a Marfan mouse model.** *Physiological reports*
Okamura, H., Emrich, F., Trojan, J., Chiu, P., Dalal, A. R., Arakawa, M., Sato, T., Penov, K., Koyano, T., Pedroza, A., Connolly, A. J., Rabinovitch, M., Alvira, et al
2017; 5 (8)
 - **Computed Tomography Imaging Features in Acute Uncomplicated Stanford Type-B Aortic Dissection Predict Late Adverse Events** *CIRCULATION-CARDIOVASCULAR IMAGING*
Sailer, A. M., Van Kuijk, S. M., Nelemans, P. J., Chin, A. S., Kino, A., Huininga, M., Schmidt, J., Mistelbauer, G., Baeumler, K., Chiu, P., Fischbein, M. P., Dake, M. D., Miller, et al
2017; 10 (4)
 - **THE INFLAMMASOME PATHWAY IS ASSOCIATED WITH ADVERSE VENTRICULAR REMODELING FOLLOWING TRANSCATHETER AORTIC VALVE REPLACEMENT**
Kim, J., Kobayashi, Y., Kouznetsova, T., Moneghetti, K., Brenner, D., O'Malley, R., Dao, C., Schnittger, I., Liang, D., Wu, J., Fischbein, M., Lee, A., Miller, et al
ELSEVIER SCIENCE INC.2017: 1040
 - **Mechanical or Biologic Prostheses for Aortic-Valve and Mitral-Valve Replacement.** *The New England journal of medicine*
Goldstone, A. B., Chiu, P. n., Baiocchi, M. n., Lingala, B. n., Patrick, W. L., Fischbein, M. P., Woo, Y. J.
2017; 377 (19): 1847–57
 - **Prognostic significance of early aortic remodeling in acute uncomplicated type B aortic dissection and intramural hematoma.** *The Journal of thoracic and cardiovascular surgery*
Sailer, A. M., Nelemans, P. J., Hastie, T. J., Chin, A. S., Huininga, M. n., Chiu, P. n., Fischbein, M. P., Dake, M. D., Miller, D. C., Schurink, G. W., Fleischmann, D. n.
2017; 154 (4): 1192–1200
 - **GDF-15 (Growth Differentiation Factor 15) Is Associated With Lack of Ventricular Recovery and Mortality After Transcatheter Aortic Valve Replacement.** *Circulation. Cardiovascular interventions*
Kim, J. B., Kobayashi, Y. n., Moneghetti, K. J., Brenner, D. A., O'Malley, R. n., Schnittger, I. n., Wu, J. C., Murtagh, G. n., Beshiri, A. n., Fischbein, M. n., Miller, D. C., Liang, D. n., Yeung, et al
2017; 10 (12)

- **Limited root repair in acute type A aortic dissection is safe but results in increased risk of reoperation.** *The Journal of thoracic and cardiovascular surgery*
Chiu, P. n., Trojan, J. n., Tsou, S. n., Goldstone, A. B., Woo, Y. J., Fischbein, M. P.
2017
- **Baseline growth differentiation factor 15 (GDF15) is an independent predictor of reverse left atrial remodeling and mortality at 1-year following Transcatheter Aortic Valve Replacement**
Kim, J., Kobayashi, Y., Brenner, D., Moneghetti, K., O'Malley, R., Dao, C., Vu, T., Schnittger, I., Liang, D., Wu, J., Fischbein, M., Lee, A., Miller, et al
ELSEVIER SCIENCE INC.2016: B298
- **Branched Endovascular Therapy of the Distal Aortic Arch: Preliminary Results of the Feasibility Multicenter Trial of the Gore Thoracic Branch Endoprosthesis.** *Annals of thoracic surgery*
Patel, H. J., Dake, M. D., Bavaria, J. E., Singh, M. J., Filinger, M., Fischbein, M. P., Williams, D. M., Matsumura, J. S., Oderich, G.
2016; 102 (4): 1190-1198
- **Surgical Unroofing of Hemodynamically Significant Left Anterior Descending Myocardial Bridges.** *Annals of thoracic surgery*
Boyd, J. H., Pargaonkar, V. S., Scoville, D. H., Rogers, I. S., Kimura, T., Tanaka, S., Yamada, R., Fischbein, M. P., Tremmel, J. A., Mitchell, R. S., Schnittger, I.
2016
- **Dual-Modality Activity-Based Probes as Molecular Imaging Agents for Vascular Inflammation** *JOURNAL OF NUCLEAR MEDICINE*
Withana, N. P., Saito, T., Ma, X., Garland, M., Liu, C., Kosuge, H., Amsellem, M., Verdoes, M., Ofori, L. O., Fischbein, M., Arakawa, M., Cheng, Z., McConnell, et al
2016; 57 (10): 1583-1590
- **Giant saphenous vein graft aneurysm compressing the lingular bronchus.** *journal of thoracic and cardiovascular surgery*
Chiu, P., Palmon, I., Fischbein, M. P.
2016
- **Salvage Extracorporeal Membrane Oxygenation Prior to "Bridge" Transcatheter Aortic Valve Replacement.** *Journal of cardiac surgery*
Chiu, P., Fearon, W. F., Raleigh, L. A., Burdon, G., Rao, V., Boyd, J. H., Yeung, A. C., Miller, D. C., Fischbein, M. P.
2016; 31 (6): 403-405
- **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
- **Midterm Outcomes of Open Descending Thoracic Aortic Repair in More Than 5,000 Medicare Patients** *ANNALS OF THORACIC SURGERY*
Schaffer, J. M., Lingala, B., Fischbein, M. P., Dake, M. D., Woo, Y. J., Mitchell, R. S., Miller, D. C.
2015; 100 (6): 2087-2094
- **Poorer Left Ventricular Global Longitudinal Strain and Less Tricuspid Regurgitation Predicts Improvement in Left Ventricular Function Following Transcatheter Aortic Valve Replacement**
Kim, J. B., Brenner, D., Kobayashi, Y., O'Malley, R., Kobayashi, Y., Dao, C., Thu Vu, Yeung, A., Miller, D., Fischbein, M., Wu, J. C., Haddad, F., Fearon, W. F.
ELSEVIER SCIENCE INC.2015: B263-B264
- **The relative performance characteristics of the logistic European System for Cardiac Operative Risk Evaluation score and the Society of Thoracic Surgeons score in the Placement of Aortic Transcatheter Valves trial.** *journal of thoracic and cardiovascular surgery*
Beohar, N., Whisenant, B., Kirtane, A. J., Leon, M. B., Tuzcu, E. M., Makkar, R., Svensson, L. G., Miller, D. C., Smith, C. R., Pichard, A. D., Herrmann, H. C., Thourani, V. H., Szeto, et al
2014; 148 (6): 2830-7 e1
- **The relative performance characteristics of the logistic European System for Cardiac Operative Risk Evaluation score and the Society of Thoracic Surgeons score in the Placement of Aortic Transcatheter Valves trial** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
Beohar, N., Whisenant, B., Kirtane, A. J., Leon, M. B., Tuzcu, E. M., Makkar, R., Svensson, L. G., Miller, D. C., Smith, C. R., Pichard, A. D., Herrmann, H. C., Thourani, V. H., Szeto, et al
2014; 148 (6): 2830-U1495

- **Outcomes After Transfemoral Transcatheter Aortic Valve Replacement A Comparison of the Randomized PARTNER (Placement of AoRTic TraNscathetER Valves) Trial With the NRCA (Nonrandomized Continued Access) Registry** *JACC-CARDIOVASCULAR INTERVENTIONS*
Fearon, W. F., Kodali, S., Doshi, D., Fischbein, M. P., Yeung, A. C., Tuzcu, E. M., Rihal, C. S., Babaliaros, V., Zajarias, A., Herrmann, H. C., Brown, D. L., Mack, M., Teirstein, et al
2014; 7 (11): 1245-1251
- **Outcomes after transfemoral transcatheter aortic valve replacement: a comparison of the randomized PARTNER (Placement of AoRTic TraNscathetER Valves) trial with the NRCA (Nonrandomized Continued Access) registry.** *JACC. Cardiovascular interventions*
Fearon, W. F., Kodali, S., Doshi, D., Fischbein, M. P., Yeung, A. C., Tuzcu, E. M., Rihal, C. S., Babaliaros, V., Zajarias, A., Herrmann, H. C., Brown, D. L., Mack, M., Teirstein, et al
2014; 7 (11): 1245-1251
- **Tirone David procedure for bicuspid aortic valve disease: impact of root geometry and valve type on mid-term outcomes†.** *Interactive cardiovascular and thoracic surgery*
Kari, F. A., Kvitting, J. E., Stephens, E. H., Liang, D. H., Merk, D. R., Fischbein, M. P., Mitchell, R. S., Miller, D. C.
2014; 19 (3): 375-381
- **SINGLE-CENTER ACUTE AORTIC SYNDROME REGISTRY: A 10-YEAR EXPERIENCE OF "CLASS 3" LIMITED DISSECTION OF THE AORTA**
Chin, A. S., Kino, A., Berry, G., Rosenberg, J., Fischbein, M., Miller, D., Fleischmann, D.
ELSEVIER SCIENCE INC.2014: A1000
- **Open aortic valve replacement in a patient with Glanzmann's thrombasthenia: a multidisciplinary strategy to minimize perioperative bleeding.** *Transfusion*
Sheikh, A. Y., Hill, C. C., Goodnough, L. T., Leung, L. L., Fischbein, M. P.
2014; 54 (2): 300-305
- **Incidence and progression of mild aortic regurgitation after Tirone David reimplantation valve-sparing aortic root replacement** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
Stephens, E. H., Liang, D. H., Kvitting, J. E., Kari, F. A., Fischbein, M. P., Mitchell, R. S., Miller, D. C.
2014; 147 (1): 169-?
- **Aortic wall thickness: an independent risk factor for aortic dissection?** *journal of heart valve disease*
Shiran, H., Odegaard, J., Berry, G., Miller, D. C., Fischbein, M., Liang, D.
2014; 23 (1): 17-24
- **Long-term microRNA-29b Suppression Prevents Aneurysm Development in Marfan Syndrome Model Mouse**
Okamura, H., Emrich, F., Dalal, A., Connolly, A., Fischbein, M.
LIPPINCOTT WILLIAMS & WILKINS.2013
- **Apoptosis Participates in Early Aneurysm Development via ECM Remodeling in Marfan Syndrome**
Emrich, F. C., Okamura, H., Dalal, A. R., Merk, D. R., Raaz, U., Hennigs, J. K., Chin, J. T., Miller, M. O., Blankenberg, F. G., Connolly, A. J., Alvira, C. M., Mohr, F. W., Robbins, et al
LIPPINCOTT WILLIAMS & WILKINS.2013
- **Left Ventricular Ejection Fraction Improves Less after Trans-Apical Transcatheter Aortic Valve Replacement Compared to a Trans-Femoral Approach**
Fearon, W. F., Elmariah, S., McAndrew, T., Vlahakes, G. J., Fischbein, M., Liang, D., Kodali, S., Leon, M., Svensson, L., Pibarot, P., Douglas, P., Passeri, J. J., Dewey, et al
ELSEVIER SCIENCE INC.2013: B36
- **A common rejection module (CRM) for acute rejection across multiple organs identifies novel therapeutics for organ transplantation.** *journal of experimental medicine*
Khatri, P., Roedder, S., Kimura, N., De Vusser, K., Morgan, A. A., Gong, Y., Fischbein, M. P., Robbins, R. C., Naesens, M., Butte, A. J., Sarwal, M. M.
2013; 210 (11): 2205-2221
- **Tirone David valve-sparing aortic root replacement and cusp repair for bicuspid aortic valve disease** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
Kari, F. A., Liang, D. H., Kvitting, J. E., Stephens, E. H., Mitchell, R. S., Fischbein, M. P., Miller, D. C.
2013; 145 (3): S35-?
- **David valve-sparing aortic root replacement: Equivalent mid-term outcome for different valve types with or without connective tissue disorder** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*

- Kvitting, J. E., Kari, F. A., Fischbein, M. P., Liang, D. H., Beraud, A., Stephens, E. H., Mitchell, R. S., Miller, D. C.
2013; 145 (1): 117-?
- **Bicuspid aortic valve configuration and aortopathy pattern might represent different pathophysiologic substrates** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
Kari, F. A., Fazel, S. S., Mitchell, R. S., Fischbein, M. P., Miller, D. C.
2012; 144 (2): 516-517
 - **Potential Role of gamma delta T Cell-Derived IL-17 in Acute Cardiac Allograft Rejection** *ANNALS OF THORACIC SURGERY*
Kimura, N., Nakae, S., Itoh, S., Merk, D. R., Wang, X., Gong, Y., Okamura, H., Chang, P. A., Adachi, H., Robbins, R. C., Fischbein, M. P.
2012; 94 (2): 542-548
 - **Two-Year Outcomes after Transcatheter or Surgical Aortic-Valve Replacement** *NEW ENGLAND JOURNAL OF MEDICINE*
Kodali, S. K., Williams, M. R., Smith, C. R., Svensson, L. G., Webb, J. G., Makkar, R. R., Fontana, G. P., Dewey, T. M., Thourani, V. H., Pichard, A. D., Fischbein, M., Szeto, W. Y., Lim, et al
2012; 366 (18): 1686-1695
 - **AORTIC WALL THICKNESS MAY BE AN INDEPENDENT RISK FACTOR FOR AORTIC DISSECTION** *61st Annual Scientific Session and Expo of the American-College-of-Cardiology (ACC)/Conference on ACC-i2 with TCT*
Shiran, H., Odegaard, J., Berry, G., Miller, D. C., Fischbein, M., Liang, D.
ELSEVIER SCIENCE INC.2012: E831-E831
 - **COMPUTED TOMOGRAPHY BASED PREDICTION OF ANGIOGRAPHIC DEPLOYMENT ANGLES MAY REDUCE PROCEDURE TIME AND CONTRAST MEDIUM VOLUME FOR TRANSCATHETER AORTIC VALVE REPLACEMENT** *61st Annual Scientific Session and Expo of the American-College-of-Cardiology (ACC)/Conference on ACC-i2 with TCT*
Fleischmann, D., Dao, C., Blake, T., Boas, F. E., Liang, D., Yeung, A., Fearon, W., Fischbein, M., Miller, D. C.
ELSEVIER SCIENCE INC.2012: E1199-E1199
 - **ACCURACY AND REPRODUCIBILITY OF CONTRAST ENHANCED AND NON-ENHANCED COMPUTED TOMOGRAPHY FOR PREDICTING THE ANGIOGRAPHIC DEPLOYMENT ANGLE IN TRANSCATHETER AORTIC VALVE REPLACEMENT (TAVR)** *61st Annual Scientific Session and Expo of the American-College-of-Cardiology (ACC)/Conference on ACC-i2 with TCT*
Dao, C. N., Blake, T., Liang, D., Fischbein, M. P., Yeung, A., Fearon, W., Miller, D. C., Fleischmann, D.
ELSEVIER SCIENCE INC.2012: E1195-E1195
 - **Molecular Imaging of Bone Marrow Mononuclear Cell Survival and Homing in Murine Peripheral Artery Disease** *JACC-CARDIOVASCULAR IMAGING*
van der Bogt, K. E., Hellingman, A. A., Lijkwan, M. A., Bos, E., de Vries, M. R., van Rappard, J. R., Fischbein, M. P., Quax, P. H., Robbins, R. C., Hamming, J. F., Wu, J. C.
2012; 5 (1): 46-55
 - **In Vivo Functional and Transcriptional Profiling of Bone Marrow Stem Cells After Transplantation Into Ischemic Myocardium** *ARTERIOSCLEROSIS THROMBOSIS AND VASCULAR BIOLOGY*
Sheikh, A. Y., Huber, B. C., Narsinh, K. H., Spin, J. M., van der Bogt, K., de Almeida, P. E., Ransohoff, K. J., Kraft, D. L., Fajardo, G., Ardigo, D., Ransohoff, J., Bernstein, D., Fischbein, et al
2012; 32 (1): 92-102
 - **Interleukin-16 deficiency suppresses the development of chronic rejection in murine cardiac transplantation model** *JOURNAL OF HEART AND LUNG TRANSPLANTATION*
Kimura, N., Itoh, S., Nakae, S., Axtell, R. C., Velotta, J. B., Bos, E. J., Merk, D. R., Gong, Y., Okamura, H., Nagamine, C. M., Adachi, H., Kornfeld, H., Robbins, et al
2011; 30 (12): 1409-1417
 - **A novel cardioprotective agent in cardiac transplantation: metformin activation of AMP-activated protein kinase decreases acute ischemia-reperfusion injury and chronic rejection.** *Yale journal of biology and medicine*
Chin, J. T., Troke, J. J., Kimura, N., Itoh, S., Wang, X., Palmer, O. P., Robbins, R. C., Fischbein, M. P.
2011; 84 (4): 423-432
 - **Interleukin-17 Accelerates Allograft Rejection by Suppressing Regulatory T Cell Expansion** *Annual Meeting of the American-Heart-Association*
Itoh, S., Kimura, N., Axtell, R. C., Velotta, J. B., Gong, Y., Wang, X., Kajiwara, N., Nambu, A., Shimura, E., Adachi, H., Iwakura, Y., Saito, H., Okumura, et al
LIPPINCOTT WILLIAMS & WILKINS.2011: S187-S196

- **Prevention of transplant coronary artery disease by prenylation inhibitors** *JOURNAL OF HEART AND LUNG TRANSPLANTATION*
Stein, W., Schrepfer, S., Itoh, S., Kimura, N., Velotta, J., Palmer, O., Bartos, J., Wang, X., Robbins, R. C., Fischbein, M. P.
2011; 30 (7): 761-769
- **alpha B-Crystallin Improves Murine Cardiac Function and Attenuates Apoptosis in Human Endothelial Cells Exposed to Ischemia-Reperfusion** *ANNALS OF THORACIC SURGERY*
Velotta, J. B., Kimura, N., Chang, S. H., Chung, J., Itoh, S., Rothbard, J., Yang, P. C., Steinman, L., Robbins, R. C., Fischbein, M. P.
2011; 91 (6): 1907-1913
- **RevaTen platelet-rich plasma improves cardiac function after myocardial injury.** *Cardiovascular revascularization medicine : including molecular interventions*
Mishra, A., Velotta, J., Brinton, T. J., Wang, X., Chang, S., Palmer, O., Sheikh, A., Chung, J., Yang, P. C., Robbins, R., Fischbein, M.
2011; 12 (3): 158-163
- **Interleukin-17 Accelerates Allograft Rejection by Suppressing Regulatory T Cell Expansion**
Itoh, S., Kimura, N., Nakae, S., Axtell, R. C., Velotta, J. B., Wang, X., Iwakura, Y., Steinman, L., Robbins, R. C., Fischbein, M. P.
LIPPINCOTT WILLIAMS & WILKINS.2010
- **"Peninsula- Style" Transverse Aortic Arch Replacement in Patients With Bicuspid Aortic Valve** *ANNALS OF THORACIC SURGERY*
Itoh, A., Fischbein, M., Arata, K., Miller, D. C.
2010; 90 (4): 1369-1371
- **Micro-CT for Characterization of Murine CV Disease Models** *JACC-CARDIOVASCULAR IMAGING*
Sheikh, A. Y., van der Bogt, K. E., Doyle, T. C., Sheikh, M. K., Ransohoff, K. J., Ali, Z. A., Palmer, O. P., Robbins, R. C., Fischbein, M. P., Wu, J. C.
2010; 3 (7): 783-785
- **THE RESUSCITATED NHBD HEART IS FUNCTIONALLY SUPERIOR TO THE BRAINSTEM DEAD DONOR HEART**
Ali, A., Fajardo, G., Tsuda, S., Budas, G., Ali, Z., Quertermous, T., Bernstein, D., Robbins, R., Fischbein, M., Large, S., Ashley, E.
WILEY-BLACKWELL.2010: 7
- **The role of recipient mast cells in acute and chronic cardiac allograft rejection in C57BL/6-KitW-sh/W-sh mice** *JOURNAL OF HEART AND LUNG TRANSPLANTATION*
Itoh, S., Nakae, S., Velotta, J. B., Kosuge, H., Connolly, A., Tsai, M., Adachi, H., Galli, S. J., Robbins, R. C., Fischbein, M. P.
2010; 29 (4): 401-409
- **IL-17 Contributes to the Development of Chronic Rejection in a Murine Heart Transplant Model** *JOURNAL OF CLINICAL IMMUNOLOGY*
Itoh, S., Nakae, S., Axtell, R. C., Velotta, J. B., Kimura, N., Kajiwara, N., Iwakura, Y., Saito, H., Adachi, H., Steinman, L., Robbins, R. C., Fischbein, M. P.
2010; 30 (2): 235-240
- **Molecular Imaging of Bone Marrow Mononuclear Cell Survival and Homing in Murine Peripheral Artery Occlusive Disease**
Van Der Bogt, K. E., Hellingman, A. A., Lijkwan, M. A., Bos, E. J., de Vries, M. R., Fischbein, M. P., Quax, P. H., Robbins, R. C., Hamming, J. F., Wu, J. C.
LIPPINCOTT WILLIAMS & WILKINS.2009: S1131
- **Exogenous aB-crystallin Improves Myocardial Function and Attenuates Apoptosis in Ischemia-Reperfusion Injury** *82nd National Conference and Exhibitions and Scientific Sessions of the American-Heart-Association*
Chang, S. H., Velotta, J. B., Chung, J., Itoh, S., Rothbard, J. B., Yang, P. C., Steinman, L., Robbins, R. C., Fischbein, M. P.
LIPPINCOTT WILLIAMS & WILKINS.2009: S998-S998
- **Metformin as a Cardioprotective Agent in Heart Transplantation Decreases Ischemia-Reperfusion Injury and Chronic Rejection**
Troke, J. J., Itoh, S., Kimura, N., Velotta, J. B., Yoshioka, H., Niizuma, K., Chan, P., Robbins, R. C., Fischbein, M. P.
LIPPINCOTT WILLIAMS & WILKINS.2009: S796
- **THE RESUSCITATED DECEASED DONOR HEART IS FUNCTIONALLY SUPERIOR TO THE BRAINSTEM DEAD DONOR HEART**
Ali, A. A., Fajardo, G., Tsuda, S., Budas, G., Ali, Z., Quertermous, T., Bernstein, D., Tsui, S., Robbins, R., Fischbein, M., Large, S., Ashley, E.
WILEY-BLACKWELL PUBLISHING, INC.2009: 138
- **Long-Term Durability of Open Thoracic and Thoracoabdominal Aneurysm Repair** *SEMINARS IN VASCULAR SURGERY*
Fischbein, M. P., Miller, D. C.

2009; 22 (2): 74-80

- **The Effects of Ischemia-Reperfusion Injury on Bcl-2**
Stein, W., Bartos, J., Schrepfer, S., Hoyt, G., Robbins, R. C., Fischbein, M.
LIPPINCOTT WILLIAMS & WILKINS.2008: S707
- **Prevention of Dilated Cardiomyopathy with Nitroxides**
Stein, W., Bartos, J., Carre, A., Yamada, M., Schrepfer, S., Robbins, R., Fischbein, M.
LIPPINCOTT WILLIAMS & WILKINS.2008: S497
- **Comparison of different adult stem cell types for treatment of myocardial ischemia** *80th Annual Scientific Session of the American-Heart-Association (AHA)*
van der Bogt, K. E., Sheikh, A. Y., Schrepfer, S., Hoyt, G., Cao, F., Ransohoff, K. J., Swijnenburg, R., Pearl, J., Lee, A., Fischbein, M., Contag, C. H., Robbins, R. C., Wu, et al
LIPPINCOTT WILLIAMS & WILKINS.2008: S121-U166
- **Regenerative cellular therapy: How to enrich the mesenchymal stem cell content in the perinfarction zone after myocardial infarction**
Schrepfer, S., Deuse, T., Stein, W., Reichenspurner, H., Fischbein, M. P., Robbins, R. C., Pelletier, M. P.
LIPPINCOTT WILLIAMS & WILKINS.2007: 202
- **Effect of inhaled tacrolimus on cellular and humoral rejection to prevent posttransplant obliterative airway disease** *AMERICAN JOURNAL OF TRANSPLANTATION*
Schrepfer, S., Deuse, T., Reichenspurner, H., Hoffmann, J., Haddad, M., Fink, J., Fischbein, M. P., Robbins, R. C., Pelletier, M. P.
2007; 7 (7): 1733-1742
- **Techniques for experimental heterotopic and orthotopic tracheal transplantations - When to use which model?** *TRANSPLANT IMMUNOLOGY*
Deuse, T., Schrepfer, S., Reichenspurner, H., Hoyt, G., Fischbein, M. P., Robbins, R. C., Pelletier, M. P.
2007; 17 (4): 255-261
- **Stem cell transplantation: Organ distribution after intravenous injection.**
Schrepfer, S., Deuse, T., Reichenspurner, H., Fischbein, M. P., Robbins, R. C., Pelletier, M. P.
BLACKWELL PUBLISHING.2007: 516-17
- **Stem cell transplantation: The lung barrier** *23rd Congress of the Brazilian-Society- Nephrology*
Schrepfer, S., Deuse, T., Reichenspurner, H., Fischbein, M. P., Robbins, R. C., Pelletier, M. P.
ELSEVIER SCIENCE INC.2007: 573-76
- **Is the malononitrilamide FK778 better for the prevention of acute or chronic rejection?** *23rd Congress of the Brazilian-Society- Nephrology*
Deuse, T., Schrepfer, S., Pelletier, M. P., Fischbein, M. P., Robbins, R. C., Reichenspurner, H.
ELSEVIER SCIENCE INC.2007: 569-72