



Michael Fischbein

Thelma and Henry Doelger Professor of Cardiovascular Surgery
Cardiothoracic Surgery

 Curriculum Vitae available Online

CLINICAL OFFICE (PRIMARY)

- **Cardiothoracic Surgery Clinic**

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ACADEMIC CONTACT INFORMATION

- **Alternate Contact**

Justine Santiago - Administrative Associate

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Tel (650) 724-0831

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).

CLINICAL TRIALS

- 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
- Evaluation of the GORE® TBE Device in the Treatment of Lesions of the Aortic Arch and Descending Thoracic Aorta, Zone 2, Not Recruiting
- Feasibility Study for GORE® TAG® Thoracic Branch Endoprosthesis to Treat Proximal Descending Thoracic Aortic Aneurysms, 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

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Cardiothoracic Surgery (Fellowship Program)

Publications

PUBLICATIONS

- **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: ATVB AHA120314670
 - **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-?
 - **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., Hinostroza, V., Burriss, N. S., Yang, B., Hanneman, K., Ouzounian, M., Ocazionez Trujillo, D., Afifi, 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., Hinostroza, 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., Hinostroza, V., Codari, M., Hanneman, K., Ouzounian, M., Ocazionez 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., Ocazionez, 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
- **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

- **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
- **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.
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