

Stanford



Peter Chiu

- Resident in Cardiothoracic Surgery
- Affiliate, Dean's Office Operations - Dean Other

Bio

PROFESSIONAL EDUCATION

- MS, Stanford University, School of Medicine , Epidemiology and Clinical Research (2017)
- MD, Columbia University, College of Physicians & Surgeons , Medicine (2012)
- BA, Yale College , History (2007)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Randomized control trials are extraordinarily expensive in cardiac surgery. As such, these are not always feasible. My research is focused on applying causal inference techniques to observational data in order to better evaluate the comparative effectiveness of competing treatment methods in the treatment of cardiovascular disease.

CURRENT CLINICAL INTERESTS

- Congenital Heart Disease
- Aortic Valve Repair
- Mitral Valve Repair
- Aortic Dissection
- Thoracoabdominal Aortic Aneurysm
- Thoracic Aortic Aneurysm
- Heart Transplantation
- Ventricular Assist Devices

LAB AFFILIATIONS

- Michael Fischbein (7/1/2015 - - 6/30/2017)

Professional

WORK EXPERIENCE

- Intern, Cardiothoracic Surgery - Stanford University, School of Medicine (June 21, 2012 - June 21, 2013)
- Resident, Cardiothoracic Surgery - Stanford University, School of Medicine (July 1, 2013 - June 30, 2015)
- Post-doctoral Research Fellow - Stanford University, School of Medicine (July 1, 2015)

Publications

PUBLICATIONS

- **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
- **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., Baiocchi, M., Lingala, B., Lee, J., Rigdon, J., Fischbein, M. P., Woo, Y. J.
2019; 140 (15): 1239–50
- **Second Arterial Versus Venous Conduits for Multivessel Coronary Artery Bypass Surgery in California.** *Circulation*
Goldstone, A. B., Chiu, P., Baiocchi, M., Wang, H., Lingala, B., Boyd, J. H., Woo, Y. J.
2018; 137 (16): 1698–1707
- **Mechanical or Biologic Prostheses for Aortic-Valve and Mitral-Valve Replacement.** *The New England journal of medicine*
Goldstone, A. B., Chiu, P., Baiocchi, M., Lingala, B., Patrick, W. L., Fischbein, M. P., Woo, Y. J.
2017; 377 (19): 1847–57
- **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
- **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
- **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
- **Modeling conduit choice for valve-sparing aortic root replacement on biomechanics with a 3-dimensional-printed heart simulator** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
Paulsen, M. J., Kasinpila, P., Imbrie-Moore, A. M., Wang, H., Hironaka, C. E., Koyano, T. K., Fong, R., Chiu, P., Goldstone, A. B., Steele, A. N., Stapleton, L. M., Ma, M., Woo, et al
2019; 158 (2): 392–403
- **Current evidence for prosthesis selection: What can we really say?** *The Journal of thoracic and cardiovascular surgery*
Chiu, P., Goldstone, A. B., Fischbein, M. P., Woo, Y. J.
2019
- **Modeling conduit choice for valve-sparing aortic root replacement on biomechanics with a 3-dimensional-printed heart simulator.** *The Journal of thoracic and cardiovascular surgery*
Paulsen, M. J., Kasinpila, P., Imbrie-Moore, A. M., Wang, H., Hironaka, C. E., Koyano, T. K., Fong, R., Chiu, P., Goldstone, A. B., Steele, A. N., Stapleton, L. M., Ma, M., Woo, et al
2018
- **Would evolving recommendations for mechanical mitral valve replacement further raise the bar for successful mitral valve repair?** *European journal of cardio-thoracic surgery : official journal of the European Association for Cardio-thoracic Surgery*
Chiu, P., Goldstone, A. B., Woo, Y. J.
2018
- **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–+

- **Prosthesis Type for Aortic- and Mitral-Valve Replacement REPLY** *NEW ENGLAND JOURNAL OF MEDICINE*
Goldstone, A. B., Chiu, P., Woo, Y.
2018; 378 (8): 778–79
- **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–+
- **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
- **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)
- **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)
- **EFFECTIVENESS OF A SECOND ARTERIAL CONDUIT FOR MULTI VESSEL CORONARY BYPASS: A STATE-WIDE ANALYSIS OF 60,897 PATIENTS**
Goldstone, A. B., Chiu, P., Baiocchi, M., Ligala, B., Boyd, J., Woo, Y.
ELSEVIER SCIENCE INC.2017: 26
- **Resection of a Giant Cardiac Lymphovenous Malformation Involving the Right Atrioventricular Groove.** *The Annals of thoracic surgery*
Chiu, P., Edmonson, A., Brewer, Z. E., Woo, Y. J.
2017; 104 (3): e257–e259
- **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., Chiu, P., Fischbein, M. P., Dake, M. D., Miller, D. C., Schurink, G. W., Fleischmann, D.
2017; 154 (4): 1192–1200
- **Giant saphenous vein graft aneurysm compressing the lingular bronchus.** *journal of thoracic and cardiovascular surgery*
Chiu, P., Palmon, I., Fischbein, M. P.
2016
- **Evolution of surgical therapy for Stanford acute type A aortic dissection.** *Annals of cardiothoracic surgery*
Chiu, P., Miller, D. C.
2016; 5 (4): 275-295
- **Dealing with a left ventricular pseudoaneurysm during assist device implant.** *Asian cardiovascular & thoracic annals*
Ha, R. V., Chiu, P., Banerjee, D., Sheikh, A. Y.
2016; 24 (5): 477-479
- **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
- **Influence of durable mechanical circulatory support and allosensitization on mortality after heart transplantation.** *journal of heart and lung transplantation*
Chiu, P., Schaffer, J. M., Oyer, P. E., Pham, M., Banerjee, D., Joseph Woo, Y., Ha, R.
2016; 35 (6): 731-742
- **Lung Quality and Utilization in Controlled Donation After Circulatory Determination of Death Within the United States** *AMERICAN JOURNAL OF TRANSPLANTATION*

- Mooney, J. J., Hedlin, H., Mohabir, P. K., Vazquez, R., Nguyen, J., Ha, R., Chiu, P., Patel, K., Zamora, M. R., Weill, D., Nicolls, M. R., Dhillon, G. S.
2016; 16 (4): 1207-1215
- **Bilateral Giant Coronary Artery Aneurysms Complicated by Acute Coronary Syndrome and Cardiogenic Shock.** *Annals of thoracic surgery*
Chiu, P., Lynch, D., Jahanayar, J., Rogers, I. S., Tremmel, J., Boyd, J.
2016; 101 (4): e95-7
 - **Giant Pulmonary Artery Aneurysm in a Patient With Marfan Syndrome and Pulmonary Hypertension.** *Circulation*
Chiu, P., Irons, M., van de Rijn, M., Liang, D. H., Miller, D. C.
2016; 133 (12): 1218-1221
 - **Effect Of Broader Geographic Sharing Of Donor Lungs On Lung Transplant Candidate Outcomes**
Mooney, J. J., Chhatwani, L., Patel, K., Chiu, P., Ha, R., Boyd, J., Dhillon, G.
AMER THORACIC SOC.2016
 - **Lung Quality and Utilization in Controlled Donation After Circulatory Determination of Death Within the United States.** *American journal of transplantation : official journal of the American Society of Transplantation and the American Society of Transplant Surgeons*
Mooney, J. J., Hedlin, H., Mohabir, P. K., Vazquez, R., Nguyen, J., Ha, R., Chiu, P., Patel, K., Zamora, M. R., Weill, D., Nicolls, M. R., Dhillon, G. S.
2016
 - **Elevated pretransplant pulmonary vascular resistance index does not predict mortality after isolated orthotopic heart transplantation in children: A retrospective analysis of the UNOS database** *PEDIATRIC TRANSPLANTATION*
Chiu, P., Schaffer, J. M., Sheikh, A. Y., Ha, R., Reinhartz, O., Mainwaring, R., Reitz, B. A.
2015; 19 (6): 623-633
 - **Lung Retransplantation in the Lung Allocation Score Era**
Schaffer, J. M., Chiu, P., Reitz, B. A., Dhillon, G., Woo, J., Ha, R.
ELSEVIER SCIENCE INC.2015: S171-S172
 - **Recipient Outcomes in Donation After Circulatory Determination of Death Lung Donors Within the United States**
Mooney, J. J., Hedlin, H., Mohabir, P. K., Guillet, R. V., Ha, R., Chiu, P., Patel, K., Weill, D., Nicolls, M. R., Dhillon, G. S.
ELSEVIER SCIENCE INC.2015: S279
 - **Donation After Circulatory Determination of Death Donor Characteristics and Lung Donor Utilization Within the United States**
Mooney, J. J., Hedlin, H., Mohabir, P. K., Guillet, R. V., Ha, R., Chiu, P., Patel, K., Weill, D., Nicolls, M. R., Dhillon, G. S.
ELSEVIER SCIENCE INC.2015: S280-S281
 - **Panel Reactive Antibody Levels Are Associated With Survival in Heart Transplant Recipients Without But Not With a Ventricular Assist Device at the Time of Transplant**
Chiu, P., Schaffer, J. M., Oyer, P. E., Banerjee, D., Woo, J., Ha, R.
ELSEVIER SCIENCE INC.2015: S93-S94
 - **Transaortic Aortomitral Junction Reconstruction and Mitral Valve Leaflet Repair for Recurrent Endocarditis** *JOURNAL OF HEART VALVE DISEASE*
Chiu, P., Allen, J. G., Woo, Y. J.
2015; 24 (2): 173-176
 - **Radical Resection of Cardiac Angiosarcoma with Atrioventricular Reconstruction.** *The Journal of heart valve disease*
Chiu, P., Black, A., Woo, Y. J.
2015; 24 (3): 379-82
 - **Elevated pretransplant pulmonary vascular resistance index does not predict mortality after isolated orthotopic heart transplantation in children: A retrospective analysis of the UNOS database.** *Pediatric transplantation*
Chiu, P., Schaffer, J. M., Sheikh, A. Y., Ha, R., Reinhartz, O., Mainwaring, R., Reitz, B. A.
2015
 - **Response to Letter Regarding Article Entitled "Heart and Combined Heart-Kidney Transplantation in Patients With Concomitant Renal Insufficiency and End-Stage Heart Failure"** *AMERICAN JOURNAL OF TRANSPLANTATION*
SCHAFFER, J. M., Chiu, P., Singh, S. K., Oyer, P. E., Reitz, B. A., Mallidi, H. R.
2014; 14 (8): 1948-1949
 - **Combined Heart-Liver Transplantation in the MELD Era: Do Waitlisted Patients Require Exception Status?** *American journal of transplantation*

SCHAFFER, J. M., Chiu, P., Singh, S. K., Oyer, P. E., Reitz, B. A., Mallidi, H. R.
2014; 14 (3): 647-659

- **Heart and combined heart-kidney transplantation in patients with concomitant renal insufficiency and end-stage heart failure.** *American journal of transplantation*

SCHAFFER, J. M., Chiu, P., Singh, S. K., Oyer, P. E., Reitz, B. A., Mallidi, H. R.
2014; 14 (2): 384-396

- **Elevated Pulmonary Vascular Resistance Index Does Not Predict Postoperative Mortality in Pediatric Heart Transplantation: A Retrospective Analysis of the United Network for Organ Sharing Database**

Chiu, P., Schaffer, J. M., Sheikh, A. Y., Lee, P. H., Scoville, D., Ha, R.
LIPPINCOTT WILLIAMS & WILKINS.2013

- **What is high risk? Redefining elevated pulmonary vascular resistance index in pediatric heart transplantation** *JOURNAL OF HEART AND LUNG TRANSPLANTATION*

Chiu, P., Russo, M. J., Davies, R. R., Addonizio, L. J., Richmond, M. E., Chen, J. M.
2012; 31 (1): 61-66