

Stanford



Jack Boyd

Clinical Associate Professor, Cardiothoracic Surgery

 Curriculum Vitae available Online

CLINICAL OFFICES

- **Dept of Cardiothoracic Surgery**

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ACADEMIC CONTACT INFORMATION

- **Administrative Contact**

Andrea Phillips - Administrative Associate

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Bio

CLINICAL FOCUS

- Thoracic and Cardiovascular Surgery
- Coronary Specialist

ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Cardiothoracic Surgery

HONORS AND AWARDS

- Co-Principal Investigator, Mechanism of Coronary Microvascular Dysfunction in Metabolic Syndrome (September 2013)
- Grand Rounds, Krannert Institute of Cardiology (October 2013)
- Moderator, AHA Coronary Artery Disease (November 2012)
- Moderator, AHA Thoracic Aortic Disease I (November 2010)
- Delegate, 2010 STS Legislative Advocacy Workshop (June 2010)
- Recipient, Young Physician Scholarship (August 2010)
- Top Doctor, US News & World Report (2013, 2012)
- Top Doctor, Castle Connolly (2013)
- Teaching Resident of the Year, Department of General Surgery Indiana University School of Medicine (2006)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, The American Board of Thoracic Surgery (2011 - present)
- Member, Society of Thoracic Surgeons (2010 - present)
- Member, International Society of Minimally Invasive Of Cardiac Surgeons (2009 - present)
- Member, American Heart Association (2009 - present)
- Member, The American Board of Surgery (2007 - present)

PROFESSIONAL EDUCATION

- Fellowship: University of Pennsylvania Dept of GME (2009) PA
- Fellowship: Indiana University Thoracic Surgery Fellowship (2009) IN
- Residency: Indiana University Dept of Surgery (2006) IN
- Medical Education: Indiana University School of Medicine Registrar (2000) IN
- Board Certification: Thoracic and Cardiovascular Surgery, American Board of Thoracic Surgery (2011)
- Board Certification: General Surgery, American Board of Surgery (2007)
- Fellowship, Good Samaritan Hospital , Robotic Cardiac Surgery (2009)
- Fellowship, University of Pennsylvania , Minimally Invasive Cardiac Surgery (2009)
- Resident, Indiana University School of Medicine , Thoracic Surgery (2009)
- Resident, Indiana University School of Medicine , General Surgery (2006)
- Faculty of Health Sciences, Moi University, Eldoret, Kenya , Health Care in a Third World Country (2004)
- Intern, Indiana University School of Medicine , General Surgery (2001)
- Doctorate, Indiana University School of Medicine , Medicine (2000)
- Bachelor of Arts, University of Notre Dame , Government (1996)

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>

Research & Scholarship

CLINICAL TRIALS

- Edwards PASCAL CLASP IID/IIF Pivotal Clinical Trial, Recruiting
- Experiences With Automated Surgical Drainage in Cardiac Surgery, Recruiting
- Transcatheter Mitral Valve Replacement With the Medtronic Intrepid™ TMVR System in Patients With Severe Symptomatic Mitral Regurgitation, Recruiting

Publications

PUBLICATIONS

- **A Step Back in the Diagnosis and Management of Myocardial Bridging.** *The Annals of thoracic surgery*
Schnittger, I., Boyd, J. H., Tremmel, J. A.
2019
- **Opioid-Free Ultra-Fast-Track On-Pump Coronary Artery Bypass Grafting Using Erector Spinae Plane Catheters** *JOURNAL OF CARDIOTHORACIC AND VASCULAR ANESTHESIA*
Chanowski, E. P., Horn, J., Boyd, J. H., Tsui, B. H., Brodt, J. L.
2019; 33 (7): 1988–90
- **Impact of Surgical Approach in Double Lung Transplantation: Median Sternotomy Decreases Operative and Cardiopulmonary Bypass Time Compared to Clamshell Thoracotomy**
Shudo, Y., Rinewalt, D., Lingala, B., Kim, F. Y., He, H., Boyd, J. H., Lee, A. M., Hiesinger, W., Currie, M. E., MacArthur, J. W., Woo, J.
ELSEVIER SCIENCE INC.2019: S414
- **Evaluation of Risk Factors for Heart-Lung Transplant Recipient Outcome: An Analysis of the United Network for Organ Sharing Database.** *Circulation*
Shudo, Y., Wang, H., Lingala, B., He, H., Kim, F. Y., Hiesinger, W., Lee, A. M., Boyd, J. H., Currie, M., Woo, Y. J.

2019; 140 (15): 1261–72

- **Utilization of Del Nido Cardioplegia in Adult Coronary Artery Bypass Grafting - A Retrospective Analysis.** *Circulation journal : official journal of the Japanese Circulation Society*
O'Donnell, C., Wang, H., Tran, P., Miller, S., Shuttleworth, P., Boyd, J. H.
2018
- **Opioid-Free Ultra-Fast-Track On-Pump Coronary Artery Bypass Grafting Using Erector Spinae Plane Catheters.** *Journal of cardiothoracic and vascular anesthesia*
Chanowski, E. J., Horn, J., Boyd, J. H., Tsui, B. C., Brodt, J. L.
2018
- **Yellow nail syndrome with chylothorax after coronary artery bypass grafting.** *Journal of cardiothoracic surgery*
Waliyany, S., Chandler, J., Hovsepian, D., Boyd, J., Lui, N.
2018; 13 (1): 93
- **Surgical unroofing of hemodynamically significant myocardial bridges in a pediatric population.** *The Journal of thoracic and cardiovascular surgery*
Maeda, K., Schnittger, I., Murphy, D. J., Tremmel, J. A., Boyd, J. H., Peng, L., Okada, K., Pargaonkar, V. S., Hanley, F. L., Mitchell, R. S., Rogers, I. S.
2018
- **Impact of load variations on systolic function of failed left ventricle under extracorporeal membrane oxygenation assessed by strain and tissue doppler imaging**
Ouazani, N., Shudo, Y., Sallam, K., Lee, A., Boyd, J., Teuteberg, J.
WILEY.2018: 114–15
- **How to start a successful robotic mitral surgery program: It's not just about the surgery!** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
Wang, H., Boyd, J. H.
2018; 155 (4): 1472–73
- **MYOCARDIAL BRIDGE MUSCLE INDEX (MMI): A MARKER OF DISEASE SEVERITY AND ITS RELATIONSHIP WITH ENDOTHELIAL DYSFUNCTION AND SYMPTOMATIC OUTCOME IN PATIENTS WITH ANGINA AND A HEMODYNAMICALLY SIGNIFICANT MYOCARDIAL BRIDGE**
Pargaonkar, V., Schnittger, I., Rogers, I., Tanaka, S., Yamada, R., Kimura, T., Boyd, J., Tremmel, J.
ELSEVIER SCIENCE INC.2018: 160
- **Atrial Septal Defect as Unexpected Cause of Pulmonary Artery Hypertension** *TEXAS HEART INSTITUTE JOURNAL*
Parikh, R., Boyd, J., Lee, D. P., Witteles, R.
2018; 45 (1): 42–44
- **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
- **The tip of the iceberg: Evaluating the mechanism behind dehiscence of mitral annuloplasty rings** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
MacArthur, J. W., Boyd, J.
2018; 155 (1): 140–41
- **The tip of the iceberg: Evaluating the mechanism behind dehiscence of mitral annuloplasty rings.** *The Journal of thoracic and cardiovascular surgery*
MacArthur, J. W., Boyd, J.
2017
- **Methodological Standards for Meta-Analyses and Qualitative Systematic Reviews of Cardiac Prevention and Treatment Studies A Scientific Statement From the American Heart Association** *CIRCULATION*
Rao, G., Lopez-Jimenez, F., Boyd, J., D'Amico, F., Durant, N. H., Hlatky, M. A., Howard, G., Kirley, K., Masi, C., Powell-Wiley, T. M., Solomonides, A. E., West, C. P., Wessel, et al
2017; 136 (10): E172-+
- **Tricuspid leaflet repair: innovative solutions** *ANNALS OF CARDIOTHORACIC SURGERY*
Boyd, J. H., Edelman, J. B., Scoville, D. H., Woo, Y.
2017; 6 (3): 248–54

- **Effect of Broader Geographic Sharing of Donor Lungs on Regional Waitlist (WL) Mortality and Transplant Center Volume**
Mooney, J., Chhatwani, L., Boyd, J., Dhillon, G. S.
ELSEVIER SCIENCE INC.2017: S206–S207
- **Surgical Strategy to Support Right Ventricle with HVAD RVAD: Right Atrial vs Right Ventricular Diaphragmatic Surface Cannulation**
Shudo, Y., Ha, R. V., Reinhartz, O., Woo, J., Boyd, J., Almond, C., Rosenthal, D. N., Chen, S., Maeda, K.
ELSEVIER SCIENCE INC.2017: S29
- **WHOLE HEART OF THE MATTER**
Parikh, R., Boyd, J., Lee, D., Witteles, R.
ELSEVIER SCIENCE INC.2017: 2411
- **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
- **Current status of domino heart transplantation.** *Journal of cardiac surgery*
Shudo, Y., Ma, M., Boyd, J. H., Woo, Y. J.
2017; 32 (3): 229-232
- **Successful use of donor lungs after repairing severely injured pulmonary vein of donor lungs.** *European journal of cardio-thoracic surgery : official journal of the European Association for Cardio-thoracic Surgery*
Shudo, Y., Miller, S. L., Boyd, J. H., Woo, Y. J.
2017
- **Prior, proper planning prevents poor performance** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
Boyd, J. H.
2016; 152 (6): E143
- **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
- **Successful Operative Repair of Delayed Left Ventricle Rupture From Blunt Trauma.** *Annals of thoracic surgery*
Greene, C. L., Boyd, J. H.
2016; 102 (2): e101-3
- **A tale of 2 treatments: The best of times or the worst of times?** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
Boyd, J. H.
2016; 152 (1): 137–38
- **Effect of Transplant Center Volume on Cost and Readmissions in Medicare Lung Transplant Recipients.** *Annals of the American Thoracic Society*
Mooney, J. J., Weill, D., Boyd, J. H., Nicolls, M. R., Bhattacharya, J., Dhillon, G. S.
2016; 13 (7): 1034-1041
- **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
- **EFFECT OF SURGICAL UNROOFING OF A MYOCARDIAL BRIDGE ON EXERCISE INDUCED QT INTERVAL DISPERSION AND ANGINAL SYMPTOMS IN PATIENTS WITH ANGINA IN THE ABSENCE OF OBSTRUCTIVE CORONARY ARTERY DISEASE**
Pargaonkar, V., Nishikii, M., Boyd, J., Rogers, I., Schnittger, I., Tremmel, J.
ELSEVIER SCIENCE INC.2016: 2150
- **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
- **FFR 4 CABG: More than a vanity plate** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*

- Boyd, J. H.
2016; 151 (4): 933-34
- **A novel approach to ischemic mitral regurgitation (IMR).** *Annals of cardiothoracic surgery*
Scoville, D. H., Boyd, J. B.
2015; 4 (5): 443-448
 - **Ventricular assist device implantation in the elderly.** *Annals of cardiothoracic surgery*
Hiesinger, W., Boyd, J. H., Woo, Y. J.
2014; 3 (6): 570-572
 - **Human aortic allograft: an excellent conduit choice for superior vena cava reconstruction** *JOURNAL OF CARDIOTHORACIC SURGERY*
Spera, K., Kesler, K. A., Syed, A., Boyd, J. H.
2014; 9
 - **Epicardial adipose excision slows the progression of porcine coronary atherosclerosis** *JOURNAL OF CARDIOTHORACIC SURGERY*
Mckenney, M. L., Schultz, K. A., Boyd, J. H., Byrd, J. P., Alloosh, M., Teague, S. D., Arce-Esquivel, A. A., Fain, J. N., Laughlin, M. H., Sacks, H. S., Sturek, M.
2014; 9
 - **Ischemic Mitral Regurgitation - Where Do We Stand?** *CIRCULATION JOURNAL*
Boyd, J. H.
2013; 77 (8): 1952-1956
 - **Neonatal cavopulmonary assist: Pulsatile versus steady-flow pulmonary perfusion** *ANNALS OF THORACIC SURGERY*
Myers, C. D., Boyd, J. H., Presson, R. G., Vijay, P., COATS, A. C., Brown, J. W., Rodefeld, M. D.
2006; 81 (1): 257-263
 - **Cavopulmonary assist in the neonate: An alternative strategy for single-ventricle palliation** *29th Annual Meeting of the Western-Thoracic-Surgical-Association*
Rodefeld, M. D., Boyd, J. H., Myers, C. D., Presson, R. G., Wagner, W. W., Brown, J. W.
MOSBY-ELSEVIER.2004: 705-11
 - **Cavopulmonary assist: Circulatory support for the univentricular Fontan circulation** *39th Annual Meeting of the Society-of-Thoracic-Surgeons*
Rodefeld, M. D., Boyd, J. H., Myers, C. D., LaLone, B. J., Bezruczko, A. J., Potter, A. W., Brown, J. W.
ELSEVIER SCIENCE INC.2003: 1911-16