

Stanford



Anson Lee

Assistant Professor of Cardiothoracic Surgery (Adult Cardiac Surgery) at the Stanford University Medical Center

CLINICAL OFFICES

- **Cardiothoracic Surgery**

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Bio

BIO

Dr. Anson Lee specializes in the surgical treatment of all heart diseases, including ischemic heart disease, structural heart disease, aortic disease, and arrhythmias. He has practiced cardiothoracic surgery at Stanford since 2015. Dr. Lee has a special interest in the surgical treatment of abnormal heart rhythms and minimally invasive techniques to treat heart disease.

CLINICAL FOCUS

- Arrhythmia Surgery
- Atrial Fibrillation
- Arrhythmias, Cardiac
- Maze procedure
- Hybrid ablation
- Aortic Aneurysm
- Aortic Valve
- Mitral Valve
- Coronary Artery Bypass
- minimally invasive surgery
- Mitral Valve Repair
- Valve Replacement Surgery
- Heart Failure
- Heart Transplantation
- Lung Transplantation
- Reoperative Cardiac Surgery
- Transcatheter Aortic Valve Replacement
- Thoracic Surgery

ACADEMIC APPOINTMENTS

- Assistant Professor - Med Center Line, Cardiothoracic Surgery
- Member, Bio-X
- Member, Cardiovascular Institute

PROFESSIONAL EDUCATION

- Board Certification: Thoracic Surgery, American Board of Thoracic Surgery (2016)
- Residency: Washington University General Surgery Residency (2013) MO
- Internship: Washington University General Surgery Residency (2006) MO

- Medical Education: Washington University School Of Medicine Registrar (2005) MO
- Fellowship: Washington University School of Medicine Cardiothoracic Training (2015) MO

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>
- Cardiac Surgical Arrhythmia Research Laboratory: <http://med.stanford.edu/ansonleelab.html>
- Follow us on Twitter: <https://twitter.com/StanfordCTSurg>

Teaching

STANFORD ADVISEES

Med Scholar Project Advisor

Kevin Cyr

Postdoctoral Faculty Sponsor

Cayley Bowles

Publications

PUBLICATIONS

- **"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
- **Proteomic Profiling of Early Chronic Pulmonary Hypertension: Evidence for Both Adaptive and Maladaptive Pathology.** *Journal of pulmonary & respiratory medicine*
Aziz, A., Lee, A. M., Ufere, N. N., Damiano, R. J., Townsend, R. R., Moon, M. R.
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- **Comprehensive Analysis of Differential Expressed Genes Related with Myocardial Reverse Remodeling Following HeartWare Ventricular Assist Device Implantation**
Shudo, Y., Jaatinen, K. J., Nishiga, M., Chen, I. Y., Greene, C. L., Koyano, T. K., Fong, R. W., Boyd, J. H., Lee, A. M., Hiesinger, W., Woo, J.
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- **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.
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- **Intramyocardial Injection of Mesenchymal Precursor Cells and Successful Temporary Weaning From Left Ventricular Assist Device Support in Patients With Advanced Heart Failure A Randomized Clinical Trial** *JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION*
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2019; 321 (12): 1176–86
- **Successful heart-lung-kidney and domino heart transplantation following veno-venous extracorporeal membrane oxygenation support** *INTERACTIVE CARDIOVASCULAR AND THORACIC SURGERY*
Zhu, Y., Shudo, Y., Lee, A. M., Woo, Y.
2019; 28 (2): 316–17
- **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
- **Surgical Management for Aortoesophageal Fistula After Endovascular Aortic Repair.** *The Annals of thoracic surgery*
Zhu, Y., MacArthur, J. W., Lui, N., Lee, A. M.
2019
 - **Diagnosing Epithelioid Hemangioendothelioma With Pericardial Involvement** *ANNALS OF THORACIC SURGERY*
Balansay, B. E., Zhang, X., Loftus, P. D., Valenzuela, J., Zambrano, E., Lee, A. M.
2018; 106 (4): E173–E175
 - **Outcomes of Transcatheter Aortic Valve Replacement compared to Surgical Aortic Valve Replacement in patients with prior Chest Radiation**
Chacko, Y., Zhang, X., Jaluba, K., Lee, A., Miller, D., Yeung, A. C., Kim, B., Fearon, W.
ELSEVIER SCIENCE INC.2018: B244–B245
 - **Ambulating femoral venoarterial extracorporeal membrane oxygenation bridge to heart-lung transplant** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
Shudo, Y., Kasinpila, P., Lee, A. M., Rao, V. K., Woo, Y.
2018; 156 (3): E135–E137
 - **Successful heart-lung-kidney and domino heart transplantation following veno-venous extracorporeal membrane oxygenation support.** *Interactive cardiovascular and thoracic surgery*
Zhu, Y., Shudo, Y., Lee, A. M., Woo, Y. J.
2018
 - **Emergency valve-sparing aortic root replacement and coronary artery bypass grafting for giant left sinus of Valsalva aneurysm presenting as acute coronary syndrome** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
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2018; 156 (2): E81–E84
 - **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.
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 - **Diagnosing Epithelioid Hemangioendothelioma with Pericardial Involvement.** *The Annals of thoracic surgery*
Balansay, B. E., Zhang, X., Loftus, P. D., Valenzuela, J. A., Zambrano, E., Lee, A. M.
2018
 - **PREDICTING MORTALITY WITH AORTOMITRAL CALCIFICATIONS IN 317 TAVR PATIENTS**
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Shudo, Y., Kasinpila, P., Lee, A. M., Rao, V. K., Woo, Y. J.
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 - **Increases in IGF-1 After Anti-TNF-alpha Therapy Are Associated With Bone and Muscle Accrual in Pediatric Crohn Disease** *JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM*
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2018; 103 (3): 936–45
 - **Prolonged survival of transplanted stem cells after ischaemic injury via the slow release of pro-survival peptides from a collagen matrix** *Nature Biomedical Engineering*

- Lee, A. S., Inayathullah, ., Lijkwan, . A., Zhao, X., Sun, W., Park, S., Hong, W. X., Parekh, M. B., Malkovskiy, A. V., Lau, E., Qin, X., Pothineni, . R., et al
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- **Video-assisted thoracoscopic surgery to displace the phrenic nerve during endocardial ablation of right atrial tachycardia.** *HeartRhythm case reports*
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 - **Complex EVAR Is Associated With Higher Perioperative Mortality but Not Late-Mortality Compared to Infrarenal EVAR Amongst Octogenarians**
Tran, K., Lee, A., McFarland, G., Sgroi, M., Itoga, N., Lee, J.
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 - **THE INFLAMMASOME PATHWAY IS ASSOCIATED WITH ADVERSE VENTRICULAR REMODELING FOLLOWING TRANSCATHETER AORTIC VALVE REPLACEMENT**
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Lee, A. M.
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 - **Basic Cardiac Electrophysiology and Common Drug-induced Arrhythmias.** *Critical care nursing clinics of North America*
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 - **Percutaneous Image-Guided Cryoablation of Musculoskeletal Metastases: Pain Palliation and Local Tumor Control.** *Journal of vascular and interventional radiology : JVIR*
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 - **Maze permutations during minimally invasive mitral valve surgery.** *Annals of cardiothoracic surgery*
Lee, A. M.
2015; 4 (5): 463-468
 - **Quantification of the functional consequences of atrial fibrillation and surgical ablation on the left atrium using cardiac magnetic resonance imaging** *EUROPEAN JOURNAL OF CARDIO-THORACIC SURGERY*
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 - **Importance of atrial surface area and refractory period in sustaining atrial fibrillation: Testing the critical mass hypothesis** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
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 - **Transcriptional and Functional Profiling of Human Embryonic Stem Cell-Derived Cardiomyocytes** *PLOS ONE*
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