



Benjamin LZ Shou

- Resident in Cardiothoracic Surgery - Thoracic Surgery
- Affiliate, Department Funds

Bio

BIO

Benjamin Shou is a resident in the integrated cardiothoracic surgery program. He attended medical school at Johns Hopkins and completed his undergraduate degree at University of California, Los Angeles, in Molecular, Cell, and Developmental Biology with a concentration in Computational Biology. His academic interests include adult cardiac surgery, imaging, and artificial intelligence in healthcare.

CLINICAL FOCUS

- Residency
- Cardiac Surgery
- Thoracic Surgery

PROFESSIONAL EDUCATION

- BS, University of California, Los Angeles, Molecular, Cell, and Developmental Biology (2019)
- MD, Johns Hopkins University School of Medicine (2024)

Publications

PUBLICATIONS

- **Modified Thoracoabdominal Approach for the Repair of Massive Diaphragmatic Hernias.** *Annals of thoracic surgery short reports*
Shou, B. L., Dalal, A. R., Guenthart, B. A.
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- **Re-evaluating the association between thrombocytopenia and bleeding in extracorporeal membrane oxygenation (ECMO)** *PERFUSION-UK*
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- **Pick Your Perfusion: National Outcomes of Normothermic Regional Perfusion versus Direct Procurement and Perfusion in Donation After Circulatory Death Cardiac Transplants**
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- **Ross after David: Management of the fused plane between the prior reimplantation valve-sparing aortic root replacement and the pulmonary autograft** *JTCVS TECHNIQUES*

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- **Ex vivo optimization of a bicuspid pulmonary valve using the resequenced composite autograft Ross technique.** *JTCVS techniques*
Pedroza, A. J., Shou, B., Woo, Y. J.
2025; 33: 75-78
 - **Ex vivo optimization of a bicuspid pulmonary valve using the resequenced composite autograft Ross technique** *JTCVS TECHNIQUES*
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 - **Concurrent aortic valve replacement and splenectomy for Q-fever endocarditis with massive splenomegaly and pancytopenia.** *JTCVS techniques*
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 - **A Novel, Interpretable Machine Learning Model to Predict Neurological Outcomes Following Venoaerterial Extracorporeal Membrane Oxygenation.** *Neurocritical care*
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 - **Advancements in Computed Tomography Analysis for Thoracic Aortic Surgery: The Expanding Role of Automation** *HEART SURGERY FORUM*
Chatterjee, D., Singh, S., Shou, B. L.
2025; 28 (8): E644-E655
 - **Impact of Extracorporeal Membrane Oxygenation Bridging Duration on Lung Transplant Outcomes** *ANNALS OF THORACIC SURGERY*
Shou, B. L., Kalra, A., Zhou, A. L., Barbur, I., McGoldrick, M., Larson, E., Keller, S. P., Kim, B., Whitman, G. J. R., Cho, S., Bush, E. L.
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 - **Impact of Heart Failure Etiology on Waitlist Mortality in Heart Transplant Candidates Supported With Extracorporeal Membrane Oxygenation** *CLINICAL TRANSPLANTATION*
Shah, M. M., Rodriguez, E., Shou, B. L., Jenkins, R. T., Rando, H., Kilic, A.
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 - **The impact of local programmatic decisions on outcomes in transplant-listed adults with congenital heart disease.** *Journal of cardiac failure*
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 - **Trends on Near-Infrared Spectroscopy Associated With Acute Brain Injury in Venoaerterial Extracorporeal Membrane Oxygenation** *ASAIO JOURNAL*
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 - **What Factors Are Associated With Arterial Line-Related Limb Ischemia in Patients on Extracorporeal Membrane Oxygenation? A Single-Center Retrospective Cohort Study** *JOURNAL OF CARDIOTHORACIC AND VASCULAR ANESTHESIA*
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 - **Impact of intraoperative blood products, fluid administration, and persistent hypothermia on bleeding leading to reexploration after cardiac surgery.** *The Journal of thoracic and cardiovascular surgery*
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- **Risk Factors for Nondiagnostic Imaging in a Real-World Deployment of Artificial Intelligence Diabetic Retinal Examinations in an Integrated Health care System: Maximizing Workflow Efficiency Through Predictive Dilation** *JOURNAL OF DIABETES SCIENCE AND TECHNOLOGY*
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- **Early United States experience with lung donation after circulatory death using thoracoabdominal normothermic regional perfusion** *JOURNAL OF HEART AND LUNG TRANSPLANTATION*
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- **Lower Oxygen Tension and Intracranial Hemorrhage in Venovenous Extracorporeal Membrane Oxygenation** *LUNG*
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- **National Trends, Risk Factors, and Outcomes of Acute In-hospital Stroke After Lung Transplantation in the United States: Analysis of the United Network for Organ Sharing Registry.** *Chest*
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- **Arterial oxygen and carbon dioxide tension and acute brain injury in extracorporeal cardiopulmonary resuscitation patients: Analysis of the extracorporeal life support organization registry** *JOURNAL OF HEART AND LUNG TRANSPLANTATION*
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2023; 42 (4): 503-511
- **Early Reexploration for Bleeding Is Associated With Improved Outcome in Cardiac Surgery** *ANNALS OF THORACIC SURGERY*
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- **Arterial Carbon Dioxide and Acute Brain Injury in Venoarterial Extracorporeal Membrane Oxygenation** *ASAIO JOURNAL*
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- **Trends, Outcomes, and Predictors of Acute In-hospital Stroke after Lung Transplantation: An Analysis of the United Network for Organ Sharing Database**
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- **Early Low Pulse Pressure in VA-ECMO Is Associated with Acute Brain Injury** *NEUROCRITICAL CARE*
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- **Pre-operative Machine Learning for Heart Transplant Patients Bridged with Temporary Mechanical Circulatory Support** *JOURNAL OF CARDIOVASCULAR DEVELOPMENT AND DISEASE*
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- **Massive left atrial thrombus evades multimodality imaging as a myxoma in a bicaval heart transplant recipient** *JOURNAL OF CARDIAC SURGERY*
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- **Relative contributions of sex hormones, sex chromosomes, and gonads to sex differences in tissue gene regulation** *GENOME RESEARCH*
Blencowe, M., Chen, X., Zhao, Y., Itoh, Y., McQuillen, C. N., Han, Y., Shou, B. L., McClusky, R., Reue, K., Arnold, A. P., Yang, X.
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- **Massive primary cardiac synovial sarcoma of the left atrium: a case report** *JOURNAL OF CARDIOTHORACIC SURGERY*
Zhou, A. L., Halub, M. E., Gross, J. M., Shou, B. L., Kilic, A.
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- **Impact of the COVID-19 pandemic on patients with paediatric cancer in low-income, middle-income and high-income countries: a multicentre, international, observational cohort study** *BMJ OPEN*
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- **Pulmonary artery transection for resection of a middle mediastinal paraganglioma** *CLINICAL CASE REPORTS*
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