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Brandon Alan Guenthart

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- **Cardiothoracic Surgery**

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Bio

BIO

Dr. Guenthart is a board-certified, fellowship-trained cardiothoracic surgeon. He is a clinical assistant professor in the Department of Cardiothoracic Surgery.

He specializes in providing leading-edge surgical treatment for people with cancer and end-stage heart and lung disease. He performs the full range of surgical procedures ranging from minimally invasive thoracic surgery to heart and lung transplantation. Dr. Guenthart practices all aspects of thoracic surgery, including procedures for benign and malignant conditions of the airway, lung, mediastinum, esophagus, and foregut. He has a particular interest in minimally invasive techniques and has extensive experience in video-assisted thoracoscopic surgical (VATS), laparoscopic, robotic, endoscopic, and bronchoscopic approaches.

Dr. Guenthart earned his medical degree at Temple University School of Medicine. He completed general surgery residency at Cornell and a post-doctoral research fellowship in tissue bioengineering at Columbia University in the Laboratory for Stem Cells and Tissue Engineering. He then completed cardiothoracic surgery fellowship and advanced fellowship training in cardiothoracic transplantation and mechanical circulatory support at Stanford University.

Dr. Guenthart has conducted research supported by grants from the National Institutes of Health, Stanford University School of Medicine, and Columbia University. Dr. Guenthart has a particular interest in end-stage lung disease and his research focuses on lung perfusion and bioengineering strategies to promote lung recovery and regeneration. He has published in peer-reviewed journals such as Nature Medicine, Nature Biomedical Engineering, the Journal of Heart and Lung Transplantation. He has made numerous presentations to his peers at national conferences and given invited talks on patient selection, organ allocation, and other aspects of transplantation.

Dr. Guenthart is a member of the Society of Thoracic Surgeons, Western Thoracic Surgical Association, Biomedical Engineering Society, American College of Surgeons, Association for Academic Surgery, and Alpha Omega Alpha Medical Honor Society.

CLINICAL FOCUS

- Thoracic and Cardiac Surgery

ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Cardiothoracic Surgery
- Member, Cardiovascular Institute

ADMINISTRATIVE APPOINTMENTS

- Attending Cardiothoracic Surgeon, Stanford Hospital and Clinics, (2022- present)
- Attending Cardiothoracic Surgeon, Lucille Packard Children's Hospital, (2022- present)

PROFESSIONAL EDUCATION

- Medical Education: Temple University School of Medicine (2012) PA
- FACS, The American College of Surgeons (2024)
- Board Certification: Thoracic and Cardiac Surgery, American Board of Thoracic Surgery (2023)
- Fellowship: Stanford University Dept of Cardiothoracic Surgery (2022) CA
- Fellowship: Stanford University Dept of Cardiothoracic Surgery (2021) CA
- Board Certification: General Surgery, American Board of Surgery (2020)
- Residency: New York Presbyterian Cornell Campus General Surgery Residency (2019) NY

LINKS

- My Lab Site: https://med.stanford.edu/ctsurgery/research/guenthart-lab.html

Publications

PUBLICATIONS

- **ACR Appropriateness Criteria Suspected Diaphragm Dysfunction.** *Journal of the American College of Radiology : JACR*
  Expert Panel on Thoracic Imaging, Vella, M., Raptis, C. A., Kuykendall, K. L., Amin, S. B., Auffermann, W. F., Cheng, M. K., Guenthart, B. A., Hammer, M. R., Keraliya, A., Khan, A., Wulfeck, M., Henry, T. S.
  2026

- **Human Ex Vivo Working-Heart Evaluation of Coronet-Framed Valve-Sparing Aortic Root Replacement.** *JACC. Asia*
  Kim, J. B., Sharir, A., Elde, S., Lee, S. H., Faward, M., Guenthart, B. A., Woo, Y. J.
  2026

- **Does Fixation of Middle Lobe/Lingula During Right Upper Lobectomy/Left Apical Trisegmentectomy Reduce Postoperative Torsion/ Atelectasis?** *Annals of thoracic surgery short reports*
  Kamtam, D. N., Liou, D. Z., Berry, M. F., Malla, S., Kim, J. J., Lui, N. S., Elliott, I. A., Guenthart, B. A., Backhus, L. M., Shrager, J. B.
  2026; 4 (3): 921-926

- **Lung Cancer Risk for Patients Undergoing Cardiac Chest CT: Identification of a New High Risk Population for Lung Cancer Screening.** *The Annals of thoracic surgery*
  Tsai, L. L., Anokwuru, C., Kapula, N., Fan, J., Satoyoshi, M., Wallen, B., Zhang, M., Luo, I., Han, S., Elliott, I. A., Guenthart, B. A., Liou, D. Z., Lui, et al
  2026

- **Impact of High SUVmax on Recurrence by Resection Strategy in Stage IA Adenocarcinoma ≤2 cm.** *The Annals of thoracic surgery*
  Guorgui, J., Hutson, J., Kamtam, D., Kim, J. J., Elliott, I., Lui, N., Liou, D., Guenthart, B., Backhus, L., Berry, M., Shrager, J.
  2026

- **Updated Analysis of the Impact of Pulmonary Function Tests on Complications After Lung Resection.** *Annals of thoracic surgery short reports*

Wallen, B. S., Kapula, N., Tsai, L. L., Guenthart, B. A., Liou, D. Z., Lui, N. S., Backhus, L. M., Berry, M. F., Shrager, J. B., Elliott, I. A.
2026; 4 (2): 363-368

- **Failed Extubation After Lung Transplantation in the United States: A Six-Year National Analysis Using the UNOS Database.** *Clinical transplantation*
  Banga, A., Guenthart, B., Banga, N., MacArthur, J. W., Dhillon, G. S.
  2026; 40 (6): e70572
- **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.
  2026; 4 (2): 471-475
- **Feasibility of Panitumumab-IRDye800 molecular imaging for intraoperative tumor localization of lung cancer**
  Chang, C. C., Lu, G., Zhou, Q., van den Berg, N. S., Kim, J., Elliott, I., Guenthart, B., Liou, D., Backhus, L., Berry, M., Shrager, J., Ramchandran, K., Myall, et al
  MOSBY-ELSEVIER.2026: S163-S164
- **Near-Infrared Indocyanine Green Fiducial Placement During Biopsy to Guide Subsolid Lesion Resection**
  Kennedy, G., Chang, C. C., Wallen, B., Shaller, B., Berry, M., Chang, J., Liou, D., Backhus, L., Shrager, J., Lui, N., Guenthart, B., Patel, P., Elliott, et al
  MOSBY-ELSEVIER.2026: S119
- **Serendipity on surveillance: an unusual transbronchial biopsy finding in a lung transplant recipient.** *Clinical transplantation and research*
  Banga, N., Guenthart, B., Berry, G.
  2026
- **Unveiling alternate pathways for SARS-CoV-2 infection via extracellular vesicle-mediated transfer of ACE2 and TMPRSS2.** *Nature communications*
  Rea-Moreno, M., Tian, L., Tavakol, T. N., Yang, M. C., Pek, N. M., Gulati, S., Bugacov, H., Cusmai, C., Dawodu, G., Klotz, R. V., Garcia, I. M., Chen, H. Y., Zhang, et al
  2026
- **Donor and Procedural Factors on Early Dialysis Trends After Lung Transplantation in the United States.** *Transplantation direct*
  Banga, A., Valentine, V., Rao, V., Kappalayil, A., Guenthart, B., MacArthur, J. W., Dhillon, G. S.
  2026; 12 (4): e1918
- **The impact of perioperative outcomes on long-term survival after esophageal cancer resection.** *JTCVS open*
  Chang, C. C., Kapula, N., Elliott, I. A., Guenthart, B., Liou, D. Z., Lui, N. S., Backhus, L., Shrager, J. B., Berry, M. F.
  2026; 30: 101615
- **Endoscopic findings predictive of pathologic upstaging in T2N0 esophageal cancer.** *JTCVS open*
  Tsai, L. L., Bommakanti, S., Kapula, N., Satoyoshi, M., Aboujudom, C., Elliott, I. A., Guenthart, B. A., Liou, D. Z., Lui, N. S., Backhus, L. M., Shrager, J. B., Berry, M. F.
  2026; 29: 101561
- **Endoscopic findings predictive of pathologic upstaging in T2N0 esophageal cancer** *JTCVS OPEN*
  Tsai, L. L., Bommakanti, S., Kapula, N., Satoyoshi, M., Aboujudom, C., Elliott, I. A., Guenthart, B. A., Liou, D. Z., Lui, N. S., Backhus, L. M., Shrager, J. B., Berry, M. F.
  2026; 29
- **Three-year outcomes with the use of dual non-invasive rejection surveillance after heart transplantation.** *JHLT open*
  Henricksen, E. J., Kim, J. S., Khush, K. K., Njoroge, J., Luikart, H., Zhang, M. B., Lee, R., Le, T., Guenthart, B. A., Teuteberg, J. J.
  2026; 11: 100456
- **Beating heart transplantation: A single center's initial experience and propensity-matched analysis against national registry data.** *JHLT open*
  Choi, A. Y., Kapula, N., He, H., Degife, E., Krishnan, A., Ashrafi, R., Han, B., Pines, K., Henricksen, E., Elde, S., Fawad, M., Teuteberg, J. J., Khush, et al
  2026; 11: 100455
- **Early Need of Extracorporeal Membrane Oxygenation After Lung Transplantation: A Retrospective Cohort Study.** *ASAIO journal (American Society for Artificial Internal Organs : 1992)*

Banga, A., A Guenthart, B., Tulu, Z., Zhang, S., Choi, C. H., MacArthur, J. W., Dhillon, G. S.
2026

- **A novel robotic-assisted lung lobectomy simulation model.** *JTCVS open*
  Chang, C. C., Kapula, N., Kim, J. J., Choi, A., Elliott, I. A., Liou, D. Z., Backhus, L. M., Berry, M. F., Shrager, J. B., Guenthart, B. A., Lui, N. S.
  2025; 28: 593-602

- **Donation after Circulatory Death Donors Are Associated With Increased 1-Year Mortality After Lung Transplantation: A UNOS-Based Risk Stratification Study.** *Clinical transplantation*
  Banga, A., Guenthart, B. A., Zhang, S., MacArthur, J. W., Dhillon, G. S.
  2025; 39 (12): e70399

- **A novel robotic-assisted lung lobectomy simulation model** *JTCVS OPEN*
  Chang, C. C., Kapula, N., Kim, J. J., Choi, A., Elliott, I. A., Liou, D. Z., Backhus, L. M., Berry, M. F., Shrager, J. B., Guenthart, B. A., Lui, N. S.
  2025; 28: 593-602

- **Assessment of Postoperative Chylothorax Volume Threshold Associated with Failed Conservative Management.** *The Annals of thoracic surgery*
  Lin, N., Kapula, N., Wallen, B., Kim, J., Manapat, P., Kamtam, D., Guenthart, B., Elliott, I., Lui, N., Backhus, L., Shrager, J., Berry, M., Liou, et al
  2025

- **Accuracy of DOTATATE-positron emission tomography for preoperative nodal staging of carcinoid tumors of the lung.** *JTCVS open*
  Tsai, L. L., Bommakanti, S., Sridharan, S., Myall, N. J., Guenthart, B. A., Liou, D. Z., Lui, N. S., Backhus, L. M., Berry, M. F., Shrager, J. B., Elliott, I. A.
  2025; 27: 157-163

- **Donation-after-circulatory-death lungs narrow the survival gap between single- and bilateral-lung transplants: A propensity-matched analysis.** *JTCVS techniques*
  Berg, A. R., Krishnan, A., Heng, E. E., Mullis, D. M., Vargas, N. M., Garrison, A., Zamora Alnasir, D. I., Bangha, A., Dhillon, G., Guenthart, B., Woo, Y. J., MacArthur, J.
  2025; 33: 294-305

- **Preservation of bronchial artery circulation on ex-vivo lung perfusion.** *Scientific reports*
  Krishnan, A., Fawad, M., Elde, S., Heng, E., Garrison, A., Choi, A. Y., Simmons, J., McNulty, J. P., Chadwick, B., Ruaengsri, C., Woo, Y. J., MacArthur, J. W., Guenthart, et al
  2025; 15 (1): 23354

- **Factors and outcomes associated with successful minimally invasive pneumonectomy.** *JTCVS open*
  Trope, W. L., Kapula, N., Elliott, I. A., Guenthart, B. A., Lui, N. S., Backhus, L. M., Berry, M. F., Shrager, J. B., Liou, D. Z.
  2025; 24: 423-437

- **Application of a degradable thin film to modulate perfusion to post-autotransplantation airways in rats.** *JTCVS open*
  Krishnan, A., Forouharshad, M., Heng, E., Garrison, A., Alnasir, D., Patil, S., Farazdaghi, A., Fawad, M., Elde, S., Guenthart, B. A., Ensign, L. M., Woo, Y. J., Parikh, et al
  2025; 24: 510-520

- **Theranostic methodology for ex vivo donor lung rehabilitation.** *Med (New York, N.Y.)*
  Pinezich, M. R., O'Neill, J. D., Guenthart, B. A., Kim, J., Vila, O. F., Ma, S. P., Chen, Y. W., Hozain, A. E., Krishnan, A., Fawad, M., Cunningham, K. M., Wobma, H. M., Van Hassel, et al
  2025: 100644

- **Low- vs. Moderate-Intensity Anticoagulation for Venovenous Extracorporeal Membrane Oxygenation: The SAFE-ECMO Pilot Trial.** *Chest*
  Gannon, W. D., Pratt, E. H., Vogelsong, M. A., Adkisson, W. H., Bacchetta, M., Bloom, S. L., Ford, D. J., Guenthart, B. A., Landsperger, J. S., Qian, E. T., Rackley, C. R., Rice, T. W., Fielding-Singh, et al
  2025

- **Use of Ex-Vivo Lung Perfusion for Planned Left Single-Lung Transplant.** *Annals of thoracic surgery short reports*
  Krishnan, A., Heng, E., Ruaengsri, C., Banga, A., Guenthart, B. A., Woo, Y. J., MacArthur, J. W.
  2025; 3 (1): 247-249

- **Community Awareness of Lung Cancer Screening: A Cross-Sectional Survey.** *Annals of thoracic surgery short reports*

Ryan, L. C., Choudhary, S., Kapula, N., Kang, A., Shula, L. G., Elliott, I. A., Guenthart, B. A., Liou, D. Z., Backhus, L. M., Berry, M. F., Shrager, J. B., Lui, N. S.
2025; 3 (1): 113-117

- **Utility of PET for Nodal Staging in Subsolid Clinical Stage IA (T1 N0) Lung Adenocarcinoma.** *Annals of thoracic surgery short reports*
  Kamtam, D. N., Shrager, J. B., Elliott, I. A., Guo, H. H., Guenthart, B. A., Liou, D. Z., Lui, N. S., Backhus, L. M., Berry, M. F.
  2025; 3 (1): 118-122

- **Novel Robotic Esophagogastric Anastomosis Simulation Model for Skill Development and Training.** *Annals of thoracic surgery short reports*
  Wong, L., Kamtam, D., Kim, J., Wallen, B., Elliott, I. A., Guenthart, B. A., Liou, D. Z., Backhus, L. M., Berry, M. F., Shrager, J. B., Lui, N. S.
  2025; 3 (1): 206-211

- **Ex vivo lung perfusion of pediatric lungs for adult recipients.** *JTCVS techniques*
  Krishnan, A., Fawad, M. M., Elde, S., Shah, V. K., Shudo, Y., Dhillon, G., MacArthur, J. W., Ruaengsri, C., Woo, Y. J., Guenthart, B. A.
  2025; 29: 189-192

- **The association of chylothorax with aggressiveness of lymph node management during pulmonary resection.** *The Annals of thoracic surgery*
  Kamtam, D. N., Berry, M. F., Lin, N., Kapula, N., Kim, J. J., Wallen, B., Satoyoshi, M., Elliott, I. A., Guenthart, B. A., Liou, D. Z., Lui, N. S., Backhus, L. M., Shrager, et al
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- **Ex vivo lung perfusion of pediatric lungs for adult recipients** *JTCVS TECHNIQUES*
  Krishnan, A., Fawad, M. M., Elde, S., Shah, V. K., Shudo, Y., Dhillon, G., Macarthur, J. W., Ruaengsri, C., Woo, Y., Guenthart, B. A., Guenthart, B. A.
  2025; 29: 189-192

- **The Role of Primary Care Providers in Lung Cancer Screening: A Cross-Sectional Survey** *CLINICAL LUNG CANCER*
  Wong, L., Kapula, N., Kang, A., Phadke, A. J., Schechtman, A. D., Elliott, I. A., Guenthart, B. A., Liou, D. Z., Backhus, L. M., Berry, M. F., Shrager, J. B., Lui, N. S.
  2025; 26 (1): 39-44

- **Trends in the Use of Minimally Invasive Approaches to Lobectomy for Early-Stage Lung Cancer Resection: A Nationwide Analysis**
  Lin, N., Guenthart, B., Kapula, N., Lui, N., Backhus, L. M., Berry, M.
  LIPPINCOTT WILLIAMS & WILKINS.2024: S486

- **JAK inhibition with tofacitinib rapidly increases contractile force in human skeletal muscle.** *Life science alliance*
  Shrager, J. B., Randle, R., Lee, M., Ahmed, S. S., Trope, W., Lui, N., Poultsides, G., Liou, D., Visser, B., Norton, J. A., Nesbit, S. M., He, H., Kapula, et al
  2024; 7 (11)

- **Enhancing Cytoplasmic Expression of Exogenous mRNA Through Dynamic Mechanical Stimulation.** *Advanced healthcare materials*
  Chen, J., Patel, A., Mir, M., Hudock, M. R., Pinezich, M. R., Guenthart, B., Bacchetta, M., Vunjak-Novakovic, G., Kim, J.
  2024: e2401918

- **The Role of Primary Care Providers in Lung Cancer Screening: A Cross-Sectional Survey.** *Clinical lung cancer*
  Wong, L. Y., Kapula, N., Kang, A., Phadke, A. J., Schechtman, A. D., Elliott, I. A., Guenthart, B. A., Liou, D. Z., Backhus, L. M., Berry, M. F., Shrager, J. B., Lui, N. S.
  2024

- **Extracorporeal membrane oxygenation as a bridge to thoracic multiorgan transplantation.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Heng, E. E., Krishnan, A., Elde, S., Garrison, A., Fawad, M., Ruaengsri, C., Shudo, Y., Guenthart, B. A., Joseph Woo, Y., MacArthur, J. W.
  2024

- **Trends in Heart Transplant Outcomes for Patients Over the Age of 70 Years in the United States: an Analysis of the Scientific Registry of Transplant Recipients Database.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Henricksen, E. J., Wayda, B., Teuteberg, J. J., Luikart, H., Njoroge, J., Guenthart, B. A., Khush, K. K.
  2024

- **Survival, Function, and Immune Profiling after Beating Heart Transplantation.** *The Journal of thoracic and cardiovascular surgery*

Krishnan, A., Elde, S., Ruaengsri, C., Guenthart, B. A., Zhu, Y., Fawad, M., Lee, A., Currie, M., Ma, M. R., Hiesinger, W., Shudo, Y., MacArthur, J. W., Woo, et al
2024

- **Greater ipsilateral rectus muscle atrophy after robotic thoracic surgery compared with open and video-assisted thoracoscopic surgery approaches.** *JTCVS open*
  Wang, Y., Randle, R. J., Bhandari, P., He, H., Trope, W. L., Guenthart, B. A., Guo, H. H., Liou, D. Z., Backhus, L. M., Berry, M. F., Shrager, J. B., Lui, N. S.
  2024; 20: 202-209

- **A Minimally Invasive Robotic Tissue Palpation Device** *IEEE TRANSACTIONS ON BIOMEDICAL ENGINEERING*
  Mir, M., Chen, J., Patel, A., Pinezich, M. R., Guenthart, B. A., Vunjak-Novakovic, G., Kim, J.
  2024; 71 (6): 1958-1968

- **What is an Adequate Margin During Sublobar Resection of ≤3cm N0 Subsolid Lung Adenocarcinomas?** *The Annals of thoracic surgery*
  Kamtam, D. N., Berry, M. F., Lui, N. S., Satoyoshi, M., Elliott, I. A., Liou, D. Z., Guenthart, B., Backhus, L. M., Shrager, J. B.
  2024

- **Barriers to Completing Low Dose Computed Tomography Scan for Lung Cancer Screening.** *Clinical lung cancer*
  Wong, L. Y., Choudhary, S., Kapula, N., Lin, M., Elliott, I. A., Guenthart, B. A., Liou, D. Z., Backhus, L. M., Berry, M. F., Shrager, J. B., Lui, N. S.
  2024

- **Beating Heart Transplant Procedures Using Organs From Donors With Circulatory Death.** *JAMA network open*
  Krishnan, A., Ruaengsri, C., Guenthart, B. A., Shudo, Y., Wang, H., Ma, M. R., MacArthur, J. W., Hiesinger, W., Woo, Y. J.
  2024; 7 (3): e241828

- **Four Decades of Progress in Heart-Lung Transplantation: 271 Cases at a Single Institution.** *The Journal of thoracic and cardiovascular surgery*
  Elde, S., Baccouche, B. M., Mullis, D. M., Leipzig, M. M., Deuse, T., Krishnan, A., Fawad, M., Dale, R., Walsh, S., Padilla-Lopez, A., Wesley, B., He, H., Yajima, et al
  2024

- **Lung-Mimetic Hydrofoam Sealant to Treat Pulmonary Air Leak.** *Advanced healthcare materials*
  Pinezich, M. R., Mir, M., Graney, P. L., Tavakol, D. N., Chen, J., Hudock, M., Gavaudan, O., Chen, P., Kaslow, S. R., Reimer, J. A., Van Hassel, J., Guenthart, B. A., O'Neill, et al
  2024: e2303026

- **Beating Heart Transplantation: How to Do It.** *Innovations (Philadelphia, Pa.)*
  Krishnan, A., Guenthart, B. A., Ruengesri, C., Elde, S., Zhu, Y., MacArthur, J. W., Woo, Y. J.
  2024: 15569845231220678

- **Beating Heart Transplants-Overview and Implications for Anesthesiologists.** *Journal of cardiothoracic and vascular anesthesia*
  Kothari, P., Kiwakyou, L. M., Guenthart, B. A., Vanneman, M.
  2023

- **Risk of developing subsequent primary lung cancer after receiving radiation for breast cancer.** *JTCVS open*
  Wong, L., Kapula, N., He, H., Guenthart, B. A., Vitzthum, L. K., Horst, K., Liou, D. Z., Backhus, L. M., Lui, N. S., Berry, M. F., Shrager, J. B., Elliott, I. A.
  2023; 16: 919-928

- **Comparison of failure to rescue in younger versus elderly patients following lung cancer resection.** *JTCVS open*
  Wang, Y., Kapula, N., Yang, C. J., Manapat, P., Elliott, I. A., Guenthart, B. A., Lui, N. S., Backhus, L. M., Berry, M. F., Shrager, J. B., Liou, D. Z.
  2023; 16: 855-872

- **Impact of hyperthermic intrathoracic chemotherapy (HITHOC) during resection of pleural mesothelioma on patient survival.** *Journal of thoracic disease*
  Elliott, I. A., He, H., Lui, N. S., Liou, D. Z., Guenthart, B. A., Shrager, J. B., Berry, M. F., Backhus, L. M.
  2023; 15 (11): 6140-6150

- **Impact of hyperthermic intrathoracic chemotherapy (HITHOC) during resection of pleural mesothelioma on patient survival** *JOURNAL OF THORACIC DISEASE*
  Elliott, I. A., He, H., Lui, N. S., Liou, D. Z., Guenthart, B. A., Shrager, J. B., Berry, M. F., Backhus, L. M.

2023

- **Recovery of Extracorporeal Lungs Using Cross-Circulation with Injured Recipient Swine.** *The Journal of thoracic and cardiovascular surgery*
  Chen, P., Van Hassel, J., Pinezich, M. R., Diane, M., Hudock, M. R., Kaslow, S. R., Gavaudan, O. P., Fung, K., Kain, M. L., Lopez, H., Saqi, A., Guenthart, B. A., Hozain, et al
  2023

- **Tracheal stenosis and airway complications in the Coronavirus Disease-19 era.** *Annals of thoracic surgery short reports*
  Krishnan, A., Guenthart, B. A., Choi, A., Trope, W., Berry, G. J., Pinezich, M. R., Vunjak-Novakovic, G., Shaller, B., Sung, C. K., Liou, D. Z., Damrose, E. J., Lui, N. S.
  2023

- **World's first en bloc heart-lung transplantation using the paragonix lungguard donor preservation system.** *Journal of cardiothoracic surgery*
  Neto, D., Guenthart, B., Shudo, Y., Currie, M. E.
  2023; 18 (1): 131

- **Sound-guided assessment and localization of pulmonary air leak.** *Bioengineering & translational medicine*
  Pinezich, M. R., Mir, S. M., Reimer, J. A., Kaslow, S. R., Chen, J., Guenthart, B. A., Bacchetta, M., O'Neill, J. D., Vunjak-Novakovic, G., Kim, J.
  2023; 8 (1): e10322

- **Outcomes of Heart Transplantation Using a Temperature-controlled Hypothermic Storage System.** *Transplantation*
  Zhu, Y., Shudo, Y., He, H., Kim, J. Y., Elde, S., Williams, K. M., Walsh, S. K., Koyano, T. K., Guenthart, B., Woo, Y. J.
  2022

- **Resection of a synovial cell sarcoma by cardiac autotransplantation: A case report.** *JTCVS techniques*
  Mullis, D. M., Zhu, Y., Guenthart, B. A., Bonham, S. A., Trope, W. L., Berry, G. J., Woo, Y. J., MacArthur, J. W.
  2022; 16: 123-127

- **Technique for xenogeneic cross-circulation to support human donor lungs ex vivo.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Kelly Wu, W., Guenthart, B. A., O'Neill, J. D., Hozain, A. E., Tipograf, Y., Ukita, R., Stokes, J. W., Patel, Y. J., Pinezich, M., Talackine, J. R., Cardwell, N. L., Fung, K., Vunjak-Novakovic, et al
  2022

- **Type A Aortic Dissection With Concurrent Aortic Valve Endocarditis, Subarachnoid Hemorrhage, and Disseminated Intravascular Coagulation.** *JACC. Case reports*
  Elde, S. F., Guenthart, B. A., de Biasi, A., Dalal, A. R., Casselman, K. G., Hiesinger, W., Burton, E. C.
  2022; 4 (14): 839-843

- **Half of Anastomotic Leaks after Esophagectomy are Undetected on Initial Postoperative Esophagram.** *The Annals of thoracic surgery*
  Elliott, I. A., Berry, M. F., Trope, W., Lui, N. S., Guenthart, B. A., Liou, D. Z., Whyte, R. I., Backhus, L. M., Shrager, J. B.
  2022

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