



Irmina A. Elliott, MD

Clinical Assistant Professor, Cardiothoracic Surgery

CLINICAL OFFICE (PRIMARY)

- **Thoracic Surgery**

300 Pasteur Dr

CVRB Bldg MC 5407

Stanford, CA 94305

Tel (650) 723-6649 Fax (650) 725-3846

Bio

BIO

Dr. Elliott is a thoracic surgeon and clinical assistant professor in the Department of Cardiothoracic Surgery at Stanford University School of Medicine. She provides the complete spectrum of surgical care for lung cancer, esophageal cancer, mediastinal tumors, and more through the Stanford Health Care Thoracic Cancer Program. She specializes in minimally invasive, including robotic, approaches to thoracic surgery.

Dr. Elliott received fellowship training from Stanford University. She completed her residency at UCLA Medical Center.

Her research has received support from the National Institutes of Health. She has investigated cancer cell response to replication stress, outcomes in patients undergoing hyperthermic intrathoracic chemotherapy (HITHOC) for mesothelioma, complications after esophageal surgery, lymph node involvement in patients with carcinoid tumors of the lung, advanced techniques in robotic surgery, and other topics.

She has authored articles that have appeared in the Proceedings of the National Academy of Sciences (PNAS), Annals of Thoracic Surgery, JAMA Surgery, and other peer-reviewed publications. She also has contributed to textbooks including the content on social disparities in lung cancer for the book Social Disparities in Thoracic Surgery.

Dr. Elliott has made presentations to her peers at meetings of the American Association for Thoracic Surgery, Society of Surgical Oncology, Western Thoracic Surgical Association, and other organizations. Presentations focused on surgical treatment of patients with carcinoid tumor of the lung, improvement of mesothelioma patient survival, complications of esophageal surgery, novel targets for cancer treatment, and more.

CLINICAL FOCUS

- Thoracic and Cardiac Surgery

ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Cardiothoracic Surgery

- Member, Cardiovascular Institute
- Member, Stanford Cancer Institute

PROFESSIONAL EDUCATION

- Board Certification: Thoracic and Cardiac Surgery, American Board of Thoracic Surgery (2023)
- Fellowship: Stanford University Thoracic Surgery Fellowship (2022) CA
- Board Certification: General Surgery, American Board of Surgery (2021)
- Residency: UCLA General Surgery Residency (2020) CA
- MD, Columbia University College of Physicians and Surgeons (2013)

Publications

PUBLICATIONS

- **ACR Appropriateness Criteria® Management of Chylothorax.** *Journal of the American College of Radiology : JACR*
Monroe, E. J., Kim, C. Y., Ahmed, O., Cline, B., Elliott, I. A., Hirasaki, K., Liles, A., Makary, M. S., Molena, D., Tomihama, R. T., Uppot, R. N., Fidelman, N.
2026
- **Endoscopic findings predictive of pathologic upstaging in T2N0 esophageal cancer** *JTCVS OPEN*
Tsai, L. L., Bommakanti, S., Kapula, N., Satoyoshi, M., Aboujdom, C., Elliott, I. A., Guenthart, B. A., Liou, D. Z., Lui, N. S., Backhus, L. M., Shrager, J. B., Berry, M. F.
2026; 29
- **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
- **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
- **The Association of Short-Term Outcomes and Long-Term Survival After Lung Cancer Resection.** *The Journal of thoracic and cardiovascular surgery*
Woodson, D. R., Kapula, N., Liou, D. Z., Elliott, I. A., Shrager, J. B., Berry, M. F.
2025
- **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
- **Modern Preoperative Evaluation for Lung Cancer Treatment.** *Surgical oncology clinics of North America*
Tsai, L. L., Elliott, I. A.
2025; 34 (4): 501-512
- **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
- **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

- **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
- **The impact of extent of nodal involvement on stage IIIA (N2) non-small cell lung cancer outcomes** *JTCVS OPEN*
Wong, L., Tsai, L. L., He, H., Elliott, I. A., Berry, M. F.
2025; 23: 256-265
- **The impact of extent of nodal involvement on stage IIIA (N2) non-small cell lung cancer outcomes.** *JTCVS open*
Wong, L. Y., Tsai, L. L., He, H., Elliott, I. A., Berry, M. F.
2025; 23: 256-265
- **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
2025
- **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., Poultides, G., Liou, D., Visser, B., Norton, J. A., Nesbit, S. M., He, H., Kapula, et al
2024; 7 (11)
- **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
- **Segmentectomy vs Lobectomy for Non-Small Cell Lung Cancer: The Impact of Tumor Location.** *Annals of thoracic surgery short reports*
Wong, L. Y., Kapula, N., Elliott, I. A., Liou, D. Z., Backhus, L. M., Lui, N. S., Shrager, J. B., Berry, M. F.
2024; 2 (3): 458-463
- **Impacts of Positive Margins and Surgical Extent on Outcomes after Early-Stage Lung Cancer Resection.** *The Annals of thoracic surgery*
Wong, L. Y., Dale, R., Kapula, N., Elliott, I. A., Liou, D. Z., Backhus, L. M., Lui, N. S., Shrager, J. B., Berry, M. F.
2024
- **What is an Adequate Margin During Sublobar Resection of ≤ 3 cm 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
- **Randomized controlled trials in lung cancer surgery: How are we doing?** *JTCVS open*
Wong, L. Y., Li, Y., Elliott, I. A., Backhus, L. M., Berry, M. F., Shrager, J. B., Oh, D. S.
2024; 18: 234-252
- **Lepidic-Type Lung Adenocarcinomas: Is It Safe to Observe for Growth Prior to Treating?** *The Annals of thoracic surgery*
Wong, L. Y., Elliott, I. A., Liou, D. Z., Backhus, L. M., Lui, N. S., Shrager, J. B., Berry, M. F.
2024
- **Outcomes of surgery for catastrophic hiatal hernia presentations.** *Journal of gastrointestinal surgery : official journal of the Society for Surgery of the Alimentary Tract*

- Wong, L., Leipzig, M., Elliott, I. A., Liou, D. Z., Backhus, L. M., Shrager, J. B., Berry, M. F.
2024; 28 (3): 285-286
- **The Impact of Immunotherapy Use in Stage IIIA (T1-2N2) NSCLC: A Nationwide Analysis.** *JTO clinical and research reports*
Wong, L. Y., Liou, D. Z., Roy, M., Elliott, I. A., Backhus, L. M., Lui, N. S., Shrager, J. B., Berry, M. F.
2024; 5 (3): 100654
 - **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
 - **The Impact of Tumor Size on Node Involvement in Typical Lung Carcinoids.** *Annals of thoracic surgery short reports*
Elliott, I. A., Liou, D. Z., Lui, N. S., Backhus, L. M., Shrager, J. B., Myall, N., Berry, M. F.
2023; 1 (4): 543-547
 - **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
 - **The impact of refusing esophagectomy for treatment of locally advanced esophageal adenocarcinoma.** *JTCVS open*
Wong, L., Elliott, I. A., Liou, D. Z., Backhus, L. M., Lui, N. S., Shrager, J. B., Berry, M. F.
2023; 16: 987-995
 - **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
 - **Outcomes of a Failed Observation Approach for Paraesophageal Hernia**
Wong, L., Leipzig, M., Elliott, I. A., Lui, N., Liou, D., Backhus, L. M., Shrager, J. B., Berry, M.
LIPPINCOTT WILLIAMS & WILKINS.2023: S483
 - **Outcomes of a Failed Observation Approach for Paraesophageal Hernia**
Wong, L., Leipzig, M., Elliott, I. A., Lui, N., Liou, D., Backhus, L. M., Shrager, J. B., Berry, M.
LIPPINCOTT WILLIAMS & WILKINS.2023: S483
 - **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
 - **Social Disparities in Lung Cancer.** *Thoracic surgery clinics*
Elliott, I., Gonzalez, C., Backhus, L., Lui, N.
2022; 32 (1): 33-42
 - **Resection of a Giant Epithelioid Hemangioendothelioma Arising from the Superior Vena Cava.** *The Annals of thoracic surgery*
Elliott, I. A., Kasinpila, P., Guenthart, B. A., MacArthur, J. W., Berry, M. F.
2021
 - **Smooth Muscle Operator: Robotic-Assisted Enucleation of an Esophageal Leiomyoma.** *Digestive diseases and sciences*
Elliott, I. A., Forgó, E. n., Lui, N. S.
2021
 - **First lung and kidney multi-organ transplant following COVID-19 Infection.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*

Guenthart, B. A., Krishnan, A., Alassar, A., Madhok, J., Kakol, M., Miller, S., Cole, S. P., Rao, V. K., Acero, N. M., Hill, C. C., Cheung, C., Jackson, E. C., Feinstein, et al
2021

- **Commentary: An innovative, minimally-invasive approach to post-pneumonectomy bronchopleural fistula.** *JTCVS techniques*

Elliott, I. A., Bedi, H. S., Lui, N. S.
2020; 4: 351-352

- **Commentary: An innovative, minimally-invasive approach to post-pneumonectomy bronchopleural fistula Comment** *JTCVS TECHNIQUES*

Elliott, I. A., Bedi, H. S., Lui, N. S.
2020; 4: 351-352

- **Chemotherapy-Induced Inflammatory Gene Signature and Protumorigenic Phenotype in Pancreatic CAFs via Stress-Associated MAPK** *MOLECULAR CANCER RESEARCH*

Toste, P. A., Nguyen, A. H., Kadera, B. E., Duong, M., Wu, N., Gawlas, I., Tran, L. M., Bikhchandani, M., Li, L., Patel, S. G., Dawson, D. W., Donahue, T. R.
2016; 14 (5): 437–47