



Leah Backhus

Associate Professor of Cardiothoracic Surgery (Thoracic Surgery)

 Curriculum Vitae available Online

CLINICAL OFFICES

- **Cardiothoracic Surgery**

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Stanford, CA 94305

Tel (650) 721-6400 **Fax** (650) 724-6259

- **Stanford Clinical Cancer Center**

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MC 6560

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- **VA Palo Alto Health Care System**

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Bio

BIO

Leah Backhus trained in general surgery at the University of Southern California and cardiothoracic surgery at the University of California Los Angeles. She practices at Stanford Hospital and is Chief of Thoracic Surgery at the VA Palo Alto. Her surgical practice consists of general thoracic surgery with special emphasis on thoracic oncology and minimally invasive surgical techniques. She is also Co-Director of the Thoracic Surgery Clinical Research Program, and has grant funding through the Veterans Affairs Administration and NIH. Her current research interests are in imaging surveillance following treatment for lung cancer and cancer survivorship. She is a member of the National Lung Cancer Roundtable of the American Cancer Society serving as Chair of the Task Group on Lung Cancer in Women. She also serves on the Board of Directors of the Society of Thoracic Surgeons. As an educator, Dr. Backhus is the Associate Program Director for the Thoracic Track Residency and is the Chair of the ACGME Residency Review Committee for Thoracic Surgery which is the accrediting body for all cardiothoracic surgery training programs in the US.

CLINICAL FOCUS

- Lung Cancer
- Mesothelioma
- Pectus Excavatum

- Minimally Invasive Surgery
- Esophageal Cancer
- Lung Volume Reduction Surgery
- Mediastinal Masses
- Thoracic and Cardiac Surgery

ACADEMIC APPOINTMENTS

- Associate Professor - University Medical Line, Cardiothoracic Surgery
- Member, Cardiovascular Institute
- Member, Stanford Cancer Institute

ADMINISTRATIVE APPOINTMENTS

- Co- Director, Thoracic Surgery Clinical Research Program, (2015- present)
- Associate Program Director, Thoracic Track, CT Surgery Residency Training Program, (2015- present)

HONORS AND AWARDS

- McGoon Award for Teaching in Thoracic Surgery, Thoracic Surgery Residents Association (2019)
- Levi Watkins Innovation and Leadership Scholarship, Thoracic Surgery Foundation (2019)
- Faculty Member, Alpha Omega Alpha Honor Society (2018-present)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Deputy Editor, JAMA Surgery (2022 - present)
- Member, Society of University Surgeons (2020 - present)
- Director-At-Large, Society of Thoracic Surgeons (2019 - present)
- Member, American Association for Thoracic Surgery (2019 - present)
- Chair, ACGME Thoracic Surgery Resident Review Committee (2019 - 2022)
- Chair, Task Group, Lung Cancer in Women; National Lung Cancer Roundtable (American Cancer Society) (2017 - present)
- Member, International Association for the Study of Lung Cancer, Membership Committee (2017 - present)
- Member, American Medical Association (2016 - present)
- Member, American Society of Clinical Oncology (2016 - present)
- Fellow, American College of Surgeons (2013 - present)
- Member, Western Thoracic Surgical Association (2011 - present)
- Member, Society of Thoracic Surgeons (2010 - present)
- Member, Women in Thoracic Surgery (2010 - present)
- Member, Harkins Surgical Society (2010 - 2015)

PROFESSIONAL EDUCATION

- Medical Education: University of Southern California Keck School of Medicine (2000) CA
- Board Certification: Thoracic and Cardiac Surgery, American Board of Thoracic Surgery (2010)
- Residency: LACplusUSC Dept of Surgery (2007) CA
- Board Certification: General Surgery, American Board of Surgery (2008)
- Residency: UCLA Thoracic Surgery Residency (2009) CA

- MPH, University of Washington , Health Services (2014)
- AB, Stanford University , Human Biology

COMMUNITY AND INTERNATIONAL WORK

- Artemis Medical Society

LINKS

- Follow me on Twitter: https://twitter.com/leahbackhusmd?ref_src=twsrc%5Egoogle%7Ctwcamp%5Eserp%7Ctwgr%5Eauthor
- Stanford Thoracic Surgery Services: <http://med.stanford.edu/ctsurgery/clinical-care/thoracic-surgery-services.html>
- Make an Appointment: <http://med.stanford.edu/ctsurgery/contact-us.html#division-of-thoracic-surgery>
- Stanford Thoracic Surgery Clinical Research Program: <http://med.stanford.edu/thoracichsr.html>
- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>
- CTSNet Profile: <http://www.ctsnet.org/home/lbackhus>
- National Lung Cancer Roundtable: <https://nlcrt.org/about/task-groups/lung-cancer-in-women/>
- STS Blog: Minimally Invasive Thoracic Surgery: http://ctsurgerypatients.org/from-maximal-to-minimal-in-thoracic-surgery-less-is-more%E2%80%A6but-not-always?_cldee=amFja2JveWRAc3RhbmZvcuZWWR1&recipientid=contact-c0a6939f199fde11acbf001438bfc3bfc21bc8b34b94900bfce3aadf2ee0845&esid=4a0a1bcb-6f03-e711-80d5-00155d24b707
- Podcast: 6% NancyMD Balance: <https://podcasts.apple.com/us/podcast/the-6-with-nancymd/id1514783559?i=1000479039801>
- STS Building Your Academic Career: https://youtu.be/_Rvs_UaZTeY
- STS Blog: Motherhood and Cardiothoracic Surgery: <https://ctsurgerypatients.org/how-we-balance-motherhood-and-cardiothoracic-surgery>
- Dr. Backhus on Doc McStuffins: <https://www.youtube.com/watch?v=gkwYelFFcAk>

Publications

PUBLICATIONS

- **Generating Rare Surgical Events Using CycleGAN: Addressing Lack of Data for Artificial Intelligence Event Recognition.** *The Journal of surgical research*
Mohamadipanah, H., Kearsse, L., Wise, B., Backhus, L., Pugh, C.
2022; 283: 594-605
- **Lobar versus sublobar resection in clinical stage IA primary lung cancer with occult N2 disease.** *European journal of cardio-thoracic surgery : official journal of the European Association for Cardio-thoracic Surgery*
Liou, D. Z., Chan, M., Bhandari, P., Lui, N. S., Backhus, L. M., Shrager, J. B., Berry, M. F.
2022
- **Risk of adenocarcinoma in patients with a suspicious ground-glass opacity: a retrospective review** *JOURNAL OF THORACIC DISEASE*
Roy, E., Shrager, J., Benson, J., Trope, W., Bhandari, P., Lui, N., Liou, D., Backhus, L., Berry, M. F.
2022
- **Eligibility for Lung Cancer Screening Among Women Receiving Screening for Breast Cancer.** *JAMA network open*
Titan, A. L., Baiu, I., Liou, D., Lui, N. S., Berry, M., Shrager, J., Backhus, L.
2022; 5 (9): e2233840
- **Demographics of Current and Aspiring Integrated Six-Year Cardiothoracic Surgery Trainees.** *The Annals of thoracic surgery*
Olive, J. K., Yost, C. C., Robinson, J. A., Brescia, A. A., Han, J. J., Haney, J. C., Forbess, J. M., Varghese, T. K., Backhus, L. M., Cooke, D. T., Cornwell, L. D., Preventza, O. A.
2022
- **Genomic Profiling of Bronchoalveolar Lavage Fluid in Lung Cancer.** *Cancer research*
Nair, V. S., Hui, A. B., Chabon, J. J., Shahrokh Esfahani, M., Stehr, H., Nabet, B. Y., Zhou, L., Chaudhuri, A. A., Benson, J. A., Ayers, K., Bedi, H., Ramsey, M. C., Van Wert, et al
2022

- **Performance of a rule-based semi-automated method to optimize chart abstraction for surveillance imaging among patients treated for non-small cell lung cancer.** *BMC medical informatics and decision making*
Byrd, C., Ajawara, U., Laundry, R., Radin, J., Bhandari, P., Leung, A., Han, S., Asch, S. M., Zeliadt, S., Harris, A. H., Backhus, L.
2022; 22 (1): 148
- **Career Progression and Research Productivity of Women in Academic Cardiothoracic Surgery.** *The Annals of thoracic surgery*
Williams, K. M., Wang, H., Bajaj, S. S., Hironaka, C. E., Kasinpila, P., O'Donnell, C. T., Sanchez, M., Watkins, A. C., Lui, N. S., Backhus, L. M., Boyd, J.
2022
- **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
- **Moving the Needle ... Evidence of Durability of Impact** *REPLY ANNALS OF THORACIC SURGERY*
Williams, K. M., Backhus, L. M.
2022; 113 (5): 1758-1759
- **Moving the Needle. . Evidence of Durability of Impact** *ANNALS OF THORACIC SURGERY*
Williams, K. M., Backhus, L. M.
2022; 113 (5): 1758-1759
- **Positron emission tomography/computed tomography differentiates resectable thymoma from anterior mediastinal lymphoma.** *The Journal of thoracic and cardiovascular surgery*
Byrd, C. T., Trope, W. L., Bhandari, P., Konsker, H. B., Moradi, F., Lui, N. S., Liou, D. Z., Backhus, L. M., Berry, M. F., Shrager, J. B.
2022
- **Examination of Intersectionality and the Pipeline for Black Academic Surgeons.** *JAMA surgery*
Keshinro, A., Butler, P., Fayanju, O., Khabele, D., Newman, E., Greene, W., Ude Welcome, A., Joseph, K., Stallion, A., Backhus, L., Frangos, S., DiMaggio, C., Berman, et al
2022
- **Social Disparities in Lung Cancer.** *Thoracic surgery clinics*
Elliott, I., Gonzalez, C., Backhus, L., Lui, N.
2022; 32 (1): 33-42
- **The impact of gender bias in cardiothoracic surgery in Europe: a European Society of Thoracic Surgeons and European Association for Cardio-Thoracic Surgery survey.** *European journal of cardio-thoracic surgery : official journal of the European Association for Cardio-thoracic Surgery*
Pompili, C., Opitz, I., Backhus, L., Leschber, G., Veronesi, G., Lauk, O., Novoa, N., Daddi, N., Deglurkar, I., Cleuziou, J., Emrich, A. L., D'Auria, F., Kluin, et al
1800
- **A brief overview of thoracic surgery in the United States.** *Journal of thoracic disease*
Byrd, C. T., Williams, K. M., Backhus, L. M.
2022; 14 (1): 218-226
- **A brief overview of thoracic surgery in the United States** *JOURNAL OF THORACIC DISEASE*
Byrd, C. T., Williams, K. M., Backhus, L. M.
2021
- **Consensus for Thoracoscopic Lower Lobectomy: Essential Components and Targets for Simulation.** *The Annals of thoracic surgery*
Erwin, P. A., Lee, A. C., Ahmad, U., Antonoff, M., Arndt, A., Backhus, L., Berry, M., Birdas, T., Cassivi, S. D., Chang, A. C., Cooke, D. T., Crabtree, T., DeCamp, et al
2021
- **The Academic Impact of Advanced Clinical Fellowship Training among General Thoracic Surgeons.** *Journal of surgical education*
Patel, D. C., Wang, H., Bajaj, S. S., Williams, K. M., Pickering, J. M., Heiler, J. C., Manjunatha, K., O'Donnell, C. T., Sanchez, M., Boyd, J. H., Backhus, L. M.
2021
- **Rationale and design of a mechanistic clinical trial of JAK inhibition to prevent ventilator-induced diaphragm dysfunction.** *Respiratory medicine*
Shrager, J. B., Wang, Y., Lee, M., Nesbit, S., Trope, W., Konsker, H., Fatodu, E., Berry, M. S., Poulstides, G., Norton, J., Burdon, T., Backhus, L., Cooke, et al
2021; 189: 106620

- **Induction therapy is not associated with improved survival in large cT4N0 non-small cell lung cancers.** *The Annals of thoracic surgery*
Sun, B. J., Bhandari, P., Jeffrey Yang, C., Berry, M. F., Shrager, J. B., Backhus, L. M., Lui, N. S., Liou, D. Z.
2021
- **Surgical resection for patients with pulmonary aspergillosis in the national inpatient sample.** *Journal of thoracic disease*
Patel, D. C., Bhandari, P., Epstein, D. J., Liou, D. Z., Backhus, L. M., Berry, M. F., Shrager, J. B., Lui, N. S.
2021; 13 (8): 4977-4987
- **Short-term and intermediate-term readmission after esophagectomy.** *Journal of thoracic disease*
Wang, Y., Yang, C. J., He, H., Buchan, J. M., Patel, D. C., Liou, D. Z., Lui, N. S., Berry, M. F., Shrager, J. B., Backhus, L. M.
2021; 13 (8): 4678-4689
- **Surgical resection for patients with pulmonary aspergillosis in the national inpatient sample** *JOURNAL OF THORACIC DISEASE*
Patel, D. C., Bhandari, P., Epstein, D. J., Liou, D. Z., Backhus, L. M., Berry, M. F., Shrager, J. B., Lui, N. S.
2021
- **Short-term and intermediate-term readmission after esophagectomy** *JOURNAL OF THORACIC DISEASE*
Wang, Y., Yang, C., He, H., Buchan, J. M., Patel, D. C., Liou, D. Z., Lui, N. S., Berry, M. F., Shrager, J. B., Backhus, L. M.
2021
- **Early Discharge after Lobectomy for Lung Cancer does not Equate to Early Readmission.** *The Annals of thoracic surgery*
Patel, D. C., Leipzig, M., Jeffrey Yang, C., Wang, Y., Shrager, J. B., Backhus, L. M., Lui, N. S., Liou, D. Z., Berry, M. F.
2021
- **Influence of facility volume on long-term survival of patients undergoing esophagectomy for esophageal cancer.** *The Journal of thoracic and cardiovascular surgery*
Patel, D. C., Jeffrey Yang, C., He, H., Liou, D. Z., Backhus, L. M., Lui, N. S., Shrager, J. B., Berry, M. F.
2021
- **The role of gender in non-small cell lung cancer: a narrative review** *JOURNAL OF THORACIC DISEASE*
Baiu, I., Titan, A. L., Martin, L. W., Wolf, A., Backhus, L.
2021; 13 (6): 3816-3826
- **The role of gender in non-small cell lung cancer: a narrative review.** *Journal of thoracic disease*
Baiu, I., Titan, A. L., Martin, L. W., Wolf, A., Backhus, L.
2021; 13 (6): 3816-3826
- **A new model using artificial intelligence to predict recurrence after surgical resection of stage I-II non-small cell lung cancer.**
Lui, N., Wei, N., Trope, W., Nesbit, S., Bhandari, P., Lee, C., Hu, H., Guo, H., Liou, D. Z., Shrager, J. B., Backhus, L., Berry, M. F., Yang, et al
LIPPINCOTT WILLIAMS & WILKINS.2021
- **The Survival Impact of Second Primary Lung Cancer in Patients with Lung Cancer**
Choi, E., Luo, S., Aredo, J., Wilkens, L., Leung, A., Le Marchand, L., Cheng, I., Wakelee, H., Han, S.
AMER THORACIC SOC.2021
- **Investigating gene expression profiles associated with clinical radiation resistance in KEAP1/NFE2L2 wildtype lung cancer.**
Binkley, M. S., Jeon, Y., Nesselbush, M., Moding, E. J., Nabet, B., Almanza, D., Yoo, C., Kurtz, D. M., Owen, S., Backhus, L. M., Berry, M. F., Shrager, J. B.,
Ramchandran, et al
AMER ASSOC CANCER RESEARCH.2021
- **Cancer diagnoses and survival rise as 65-year-olds become Medicare-eligible.** *Cancer*
Patel, D. C., He, H., Berry, M. F., Yang, C. J., Trope, W. L., Wang, Y., Lui, N. S., Liou, D. Z., Backhus, L. M., Shrager, J. B.
2021
- **Strong for Surgery: Association Between Bundled Risk Factors and Outcomes After Major Elective Surgery in the VA Population.** *World journal of surgery*
Liou, D. Z., Patel, D. C., Bhandari, P., Wren, S. M., Marshall, N. J., Harris, A. H., Shrager, J. B., Berry, M. F., Lui, N. S., Backhus, L. M.
2021
- **Seeing is Believing.** *The Annals of thoracic surgery*

- Williams, K. M., Backhus, L. M.
2021
- **Global analysis of shared T cell specificities in human non-small cell lung cancer enables HLA inference and antigen discovery.** *Immunity*
Chiou, S. H., Tseng, D. n., Reuben, A. n., Mallajosyula, V. n., Molina, I. S., Conley, S. n., Wilhelmy, J. n., McSween, A. M., Yang, X. n., Nishimiya, D. n., Sinha, R. n., Nabet, B. Y., Wang, et al
2021; 54 (3): 586–602.e8
 - **Perioperative Outcomes After Combined Esophagectomy and Lung Resection.** *The Journal of surgical research*
Patel, D. C., Bhandari, P., Shrager, J. B., Berry, M. F., Backhus, L. M., Lui, N. S., Liou, D. Z.
2021; 270: 413-420
 - **Impact of Low-Dose CT Screening for Primary Lung Cancer on Subsequent Risk of Brain Metastasis.** *Journal of thoracic oncology : official publication of the International Association for the Study of Lung Cancer*
Su, C. C., Wu, J. T., Neal, J. W., Popat, R. A., Kurian, A. W., Backhus, L. M., Nagpal, S., Leung, A. N., Wakelee, H. A., Han, S. S.
2021
 - **The Survival Impact of Second Primary Lung Cancer in Patients with Lung Cancer.** *Journal of the National Cancer Institute*
Choi, E., Luo, S. J., Aredo, J. V., Backhus, L. M., Wilkens, L. R., Su, C. C., Neal, J. W., Le Marchand, L., Cheng, I., Wakelee, H. A., Han, S. S.
2021
 - **Moving the Needle...Evidence of Durability of Impact.** *The Annals of thoracic surgery*
Williams, K. M., Backhus, L. M.
2021
 - **Women in thoracic surgery: lesson learned from medical industry partners.** *Journal of thoracic disease*
Pompili, C., Bruls, A., Elswick, E., Masschelein, K., Backhus, L.
2021; 13 (1): 485–91
 - **US women in thoracic surgery: reflections on the past and opportunities for the future.** *Journal of thoracic disease*
Preventza, O., Backhus, L.
2021; 13 (1): 473–79
 - **Time for change: women leading in cardiothoracic surgery, a global perspective.** *Journal of thoracic disease*
Pompili, C., Backhus, L.
2021; 13 (1): 430–31
 - **Use of a Personalized Multimedia Education Platform Improves Preoperative Teaching for Lung Cancer Patients.** *Seminars in thoracic and cardiovascular surgery*
Benson, J. n., Bhandari, P. n., Lui, N. n., Berry, M. n., Liou, D. Z., Shrager, J. n., Ayers, K. n., Backhus, L. M.
2021
 - **Society of Thoracic Surgeons (STS) Virtual Conference Taskforce: Recommendations for Hosting a Virtual Surgical Meeting.** *The Annals of thoracic surgery*
Antonoff, M. B., Mitzman, B., Backhus, L., Bradbury, S. T., Chatterjee, S., Cooke, D. T., Crestanello, J., Goldstone, A. B., Kim, K. M., Nguyen, T. C., Romano, J. C., Vaporciyan, A. A., Varghese, et al
2020
 - **Esophageal Cancer Surgery.** *JAMA*
Baiu, I., Backhus, L.
2020; 324 (15): 1580
 - **Early Discharge Does Not Equate to Early Return for Patients Undergoing Lobectomy for Lung Cancer: A National Analysis**
Patel, D. C., Leipzig, M., Yang, C., Wang, Y., Shrager, J. B., Backhus, L. M., Lui, N. S., Liou, D. Z., Berry, M. F.
ELSEVIER SCIENCE INC.2020: S288
 - **Greater Ipsilateral Rectus Muscle Atrophy after Robotic Thoracic Surgery Compared to Open and VATS Approaches**
Wang, Y., Bhandari, P., Trope, W., Guenthart, B. A., Guo, H., Liou, D., Backhus, L. M., Berry, M., Ben Shrager, J., Lui, N.
ELSEVIER SCIENCE INC.2020: S289

- **Institutional factors associated with adherence to quality measures for stage I and II non-small cell lung cancer.** *The Journal of thoracic and cardiovascular surgery*
Khorfan, R., Cooke, D. T., Meguid, R. A., Backhus, L., Varghese, T. K., Farjah, F., Bilimoria, K. Y., Odell, D. D., ThORN Collaborative, Khorfan, R., Cooke, D. T., Meguid, R. A., Backhus, L., et al
2020
- **Transitioning from VATS to robotic lobectomy VIDEO-ASSISTED THORACIC SURGERY**
Backhus, L. M.
2020; 5
- **KEAP1/NFE2L2 mutations to predict local recurrence after radiotherapy but not surgery in localized non-small cell lung cancer.**
Binkley, M. S., Jeon, Y., Nesselbush, M., Moding, E. J., Nabet, B., Almanza, D. S., Yoo, C., Kurtz, D., Owen, S., Backhus, L., Berry, M. F., Shrager, J. B., Ramchandran, et al
AMER SOC CLINICAL ONCOLOGY.2020
- **Cancer diagnoses and survival rise as 65-year-olds become Medicare eligible.**
Patel, D. C., He, H., Berry, M. F., Yang, C., Trope, W., Lui, N., Liou, D. Z., Backhus, L., Shrager, J. B.
AMER SOC CLINICAL ONCOLOGY.2020
- **Discovery of a novel shared tumor antigen in human lung cancer.**
Tseng, D., Chiou, S., Yang, X., Reuben, A., Wilhelmy, J., McSween, A., Conley, S., Sinha, R., Nabet, B., Wang, C., Shrager, J. B., Berry, M. F., Backhus, et al
AMER SOC CLINICAL ONCOLOGY.2020
- **Sub-solid lung adenocarcinoma in Asian versus Caucasian patients: different biology but similar outcomes.** *Journal of thoracic disease*
Lui, N. S., Benson, J., He, H., Imielski, B. R., Kunder, C. A., Liou, D. Z., Backhus, L. M., Berry, M. F., Shrager, J. B.
2020; 12 (5): 2161-2171
- **Sub-solid lung adenocarcinoma in Asian versus Caucasian patients: different biology but similar outcomes** *JOURNAL OF THORACIC DISEASE*
Lui, N. S., Benson, J., He, H., Imielski, B. R., Kunder, C. A., Liou, D. Z., Backhus, L. M., Berry, M. F., Shrager, J. B.
2020; 12 (5): 2161-71
- **A Call to Action: Black/African American Women Surgeon Scientists, Where are They?** *Annals of surgery*
Berry, C., Khabele, D., Johnson-Mann, C., Henry-Tillman, R., Joseph, K., Turner, P., Pugh, C., Fayanju, O. M., Backhus, L., Sweeting, R., Newman, E. A., Oseni, T., Hasson, et al
2020
- **Consensus for Thoracoscopic Left Upper Lobectomy-Essential Components and Targets for Simulation.** *The Annals of thoracic surgery*
Bryan, D. S., Ferguson, M. K., Antonoff, M. B., Backhus, L. M., Birdas, T. J., Blackmon, S. H., Boffa, D. J., Chang, A. C., Chmielewski, G. W., Cooke, D. T., Donington, J. S., Gaissert, H. A., Hagen, et al
2020
- **Transcervical Thymectomy is the Most Cost-Effective Surgical Approach in Myasthenia Gravis.** *The Annals of thoracic surgery*
Sholtis, C. n., Teymourtash, M. n., Berry, M. n., Backhus, L. n., Bhandari, P. n., He, H. n., Benson, J. n., Wang, Y. Y., Yevudza, E. n., Lui, N. n., Shrager, J. n.
2020
- **Does size matter? A national analysis of the utility of induction therapy for large thymomas.** *Journal of thoracic disease*
Liou, D. Z., Ramakrishnan, D. n., Lui, N. S., Shrager, J. B., Backhus, L. M., Berry, M. F.
2020; 12 (4): 1329-41
- **Women in Thoracic Surgery Scholarship: Impact on Career Path and Interest in Cardiothoracic Surgery.** *The Annals of thoracic surgery*
Williams, K. M., Hironaka, C. E., Wang, H. n., Bajaj, S. S., O'Donnell, C. T., Sanchez, M. n., Boyd, J. n., Kane, L. n., Backhus, L. n.
2020
- **The Role of Race and Gender in the Career Experiences of Black/African-American Academic Surgeons: A Survey of the Society of Black Academic Surgeons and a Call to Action.** *Annals of surgery*
Crown, A. n., Berry, C. n., Khabele, D. n., Fayanju, O. M., Cobb, A. n., Backhus, L. n., Smith, R. n., Sweeting, R. n., Hasson, R. n., Johnson-Mann, C. n., Oseni, T. n., Newman, E. A., Turner, et al
2020
- **KEAP1/NFE2L2 mutations predict lung cancer radiation resistance that can be targeted by glutaminase inhibition.** *Cancer discovery*

Binkley, M. S., Jeon, Y. J., Nesselbush, M. n., Moding, E. J., Nabet, B. Y., Almanza, D. n., Kunder, C. n., Stehr, H. n., Yoo, C. H., Rhee, S. n., Xiang, M. n., Chabon, J. J., Hamilton, et al
2020

- **Paradoxical Motion on Sniff Test Predicts Greater Improvement Following Diaphragm Plication.** *The Annals of thoracic surgery*
Patel, D. C., Berry, M. F., Bhandari, P. n., Backhus, L. M., Raees, S. n., Trope, W. n., Nash, A. n., Lui, N. S., Liou, D. Z., Shrager, J. B.
2020
- **Commentary: Lung cancer outcomes reporting within the VA system: room for improvement.** *Seminars in thoracic and cardiovascular surgery*
Guenthart, B. A., Backhus, L. M., Lui, N. S.
2020
- **A National Analysis of Treatment Patterns and Outcomes for Patients 80 Years or Older with Esophageal Cancer.** *Seminars in thoracic and cardiovascular surgery*
Yang, C. J., Wang, Y. n., Raman, V. n., Patel, D. n., Lui, N. n., Backhus, L. n., Shrager, J. n., Berry, M. F., Liou, D. n.
2020
- **What Is a Tracheostomy?** *JAMA*
Baiu, I., Backhus, L.
2019; 322 (19): 1932
- **The Oldest Old: A National Analysis of Outcomes for Patients 90 Years or Older With Lung Cancer.** *The Annals of thoracic surgery*
Yang, C. J., Brown, A. B., Deng, J. Z., Lui, N. S., Backhus, L. M., Shrager, J. B., D'Amico, T. A., Berry, M. F.
2019
- **National Evaluation of Short-Term and Intermediate-Term Readmission after Esophagectomy**
Yang, C. J., Wang, Y., He, H., Liou, D., Lui, N., Berry, M. F., Shrager, J., Backhus, L.
ELSEVIER SCIENCE INC.2019: S279–S280
- **Management of Benign Esophageal Perforation in the National Inpatient Sample**
Lui, N., Bhandari, P., Backhus, L., Liou, D., Shrager, J., Berry, M. F.
ELSEVIER SCIENCE INC.2019: E209
- **Report from the Workforce on Diversity & Inclusion - Society of Thoracic Surgeons Members' Bias Experiences.** *The Annals of thoracic surgery*
Erhunmwunsee, L., Backhus, L. M., Godoy, L., Edwards, M. A., Cooke, D. T.
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PRESENTATIONS

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