

# Stanford

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## Douglas Liou

Clinical Assistant Professor, Cardiothoracic Surgery

### CLINICAL OFFICES

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### Bio

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#### BIO

Dr. Liou is a local product, having grown up in Salinas and graduated from U.C. Berkley with a degree in Molecular and Cell Biology. He received his M.D. from New York Medical College and completed his General Surgery training at Cedars-Sinai Medical Center in Los Angeles. At Cedars, he was recognized for his excellence in clinical care and research with numerous awards and publications. Dr. Liou recently completed his 2 years of Thoracic Surgery training at Stanford, during which time he proved to be an outstanding physician and surgeon and a dedicated clinical researcher.

Dr. Liou's expertise includes all surgical diseases of the lung, mediastinum, esophagus, chest wall, and diaphragm, with particular interest in thoracic oncology and minimally invasive surgical techniques. He has extensive experience with minimally invasive and open management of lung and esophageal cancer, mediastinal tumors, and benign esophageal disease. Dr. Liou's primary research focus has been on clinical outcomes in thoracic oncology and quality improvement.

Dr. Liou practices out of Stanford Hospital main campus and Stanford Health Care-ValleyCare Hospital in Pleasanton, where he is starting Stanford's Thoracic Surgery program in the East Bay.

#### CLINICAL FOCUS

- Thoracic Surgery (Cardiothoracic Vascular Surgery)

#### ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Cardiothoracic Surgery

#### PROFESSIONAL EDUCATION

- Fellowship: Stanford University Thoracic Surgery Fellowship (2018) CA
- Board Certification: General Surgery, American Board of Surgery (2017)
- Residency: Cedars Sinai Medical Center General Surgery Residency (2016) CA
- Medical Education: New York Medical College Registrar (2010) NY

## LINKS

- 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>
- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>
- Follow us on Twitter: <https://twitter.com/StanfordCTSurg>

## Publications

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### PUBLICATIONS

- **Stereotactic Body Radiotherapy Versus Delayed Surgery for Early-stage Non-small-cell Lung Cancer.** *Annals of surgery*  
Mayne, N. R., Lin, B. K., Darling, A. J., Raman, V., Patel, D. C., Liou, D. Z., D'Amico, T. A., Yang, C. J.  
2020
- **Commentary: Two decades of innovation, leadership, and overcoming challenges, but more lies ahead.** *The Journal of thoracic and cardiovascular surgery*  
Liou, D. Z.  
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
- **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
- **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
- **Does size matter? A national analysis of the utility of induction therapy for large thymomas.** *Journal of thoracic disease*  
Liou, D. Z., Ramakrishnan, D., Lui, N. S., Shrager, J. B., Backhus, L. M., Berry, M. F.  
2020; 12 (4): 1329–41
- **Paradoxical Motion on Sniff Test Predicts Greater Improvement Following Diaphragm Plication.** *The Annals of thoracic surgery*  
Patel, D. C., Berry, M. F., Bhandari, P., Backhus, L. M., Raees, S., Trope, W., Nash, A., Lui, N. S., Liou, D. Z., Shrager, J. B.  
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., Raman, V., Patel, D., Lui, N., Backhus, L., Shrager, J., Berry, M. F., Liou, D.  
2020
- **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
- **The influence of hormone replacement therapy on lung cancer incidence and mortality.** *The Journal of thoracic and cardiovascular surgery*  
Titan, A. L., He, H., Lui, N., Liou, D., Berry, M., Shrager, J. B., Backhus, L. M.  
2019
- **A national analysis of open versus minimally invasive thymectomy for stage I to III thymoma.** *The Journal of thoracic and cardiovascular surgery*  
Yang, C. J., Hurd, J., Shah, S. A., Liou, D., Wang, H., Backhus, L. M., Lui, N. S., D'Amico, T. A., Shrager, J. B., Berry, M. F.

2019

- **Induction therapy for locally advanced distal esophageal adenocarcinoma: Is radiation Always necessary?**  
Liou, D. Z., Backhus, L. M., Lui, N. S., Shrager, J. B., Berry, M. F.  
MOSBY-ELSEVIER.2018: 2697–2705
- **Induction therapy for locally advanced distal esophageal adenocarcinoma: Is radiation Always necessary?** *The Journal of thoracic and cardiovascular surgery*  
Liou, D. Z., Backhus, L. M., Lui, N. S., Shrager, J. B., Berry, M. F.  
2018
- **Thoracic Surgery Considerations in Obese Patients** *THORACIC SURGERY CLINICS*  
Liou, D. Z., Berry, M. F.  
2018; 28 (1): 27–+
- **Predictors of Failure to Rescue After Esophagectomy.** *Ann Thorac Surg.*  
Liou, D. Z., Serna-Gallegos, D., Mirocha, J., Bairamian, V., Alban, R. F., Soukiasian, H. J.  
2018; 105 (3): 871-878
- **Survival Difference in Patients with Malignant Pleural Effusions Treated with Pleural Catheter or Talc Pleurodesis.** *The American surgeon*  
Liou, D. Z., Serna-Gallegos, D., Chan, J. L., Borgella, J., Akhmerov, S., Soukiasian, H. J.  
2016; 82 (10): 995–99
- **Recovery of Native Renal Function in Patients with Hepatorenal Syndrome Following Combined Liver and Kidney Transplant with Mercaptoacetyltriglycine-3 Renogram: Developing a Methodology** *World journal of nuclear medicine*  
Aparici, C. M., Bains, S. N., Qian, L., Liou, D., Wojciechowski, D., Werner, J., Khan, S., Kroll, C., Sandhu, M., Nguyen, N., Hawkins, R.  
2016; 15 (1)
- **Insulin-dependent diabetes and serious trauma.** *European journal of trauma and emergency surgery : official publication of the European Trauma Society*  
Liou, D. Z., Singer, M. B., Barmparas, G., Harada, M. Y., Mirocha, J., Bukur, M., Salim, A., Ley, E. J.  
2016; 42 (4): 491–96
- **Thromboelastography After Murine TBI and Implications of Beta-Adrenergic Receptor Knockout.** *Neurocritical care*  
Liou, D. Z., Ko, A., Volod, O., Barmparas, G., Harada, M. Y., Martin, M. J., Salim, A., Dhillon, N., Thomsen, G. M., Ley, E. J.  
2016; 25 (1): 145–52
- **Bicycle trauma and alcohol intoxication** *INTERNATIONAL JOURNAL OF SURGERY*  
Harada, M. Y., Gangi, A., Ko, A., Liou, D. Z., Barmparas, G., Li, T., Hotz, H., Stewart, D., Ley, E. J.  
2015; 24: 14–19
- **Work Hour Reduction: Still Room for Improvement.** *Journal of surgical education*  
Liou, D. Z., Barmparas, G., Harada, M., Chung, R., Melo, N., Ley, E. J., Salim, A., Bukur, M.  
2015; 73 (1): 173–79
- **Prospective derivation of a clinical decision rule for thoracolumbar spine evaluation after blunt trauma: An American Association for the Surgery of Trauma Multi-Institutional Trials Group Study.** *The journal of trauma and acute care surgery*  
Inaba, K., Nosanov, L., Menaker, J., Bosarge, P., Williams, L., Turay, D., Cachecho, R., de Moya, M., Bukur, M., Carl, J., Kobayashi, L., Kaminski, S., Beekley, et al  
2015; 78 (3): 459–65; discussion 465–67
- **Impact of body mass index on injury in abdominal stab wounds: implications for management.** *The Journal of surgical research*  
Bloom, M. B., Ley, E. J., Liou, D. Z., Tran, T., Chung, R., Melo, N., Margulies, D. R.  
2015; 197 (1): 162–66
- **Alcohol intoxication may be associated with reduced truncal injuries after blunt trauma.** *American journal of surgery*  
Liou, D. Z., Barmparas, G., Zaw, A., Bukur, M., Salim, A., Ley, E. J.  
2015; 210 (1): 87–92
- **Defining early trauma-induced coagulopathy using thromboelastography.** *The American surgeon*  
Liou, D. Z., Shafi, H., Bloom, M. B., Chung, R., Ley, E. J., Salim, A., Tcherniantchouk, O., Margulies, D. R.  
2014; 80 (10): 994–98

- **Breast-conserving therapy for triple-negative breast cancer.** *JAMA surgery*  
Gangi, A., Chung, A., Mirocha, J., Liou, D. Z., Leong, T., Giuliano, A. E.  
2014; 149 (3): 252–58
- **To swab or not to swab? A prospective analysis of 341 SICU VRE screens.** *The journal of trauma and acute care surgery*  
Liou, D. Z., Barmparas, G., Ley, E. J., Salim, A., Tareen, A., Casas, T., Lee, D., Bukur, M.  
2014; 76 (5): 1192–1200
- **Impact of positive fluid balance on critically ill surgical patients: a prospective observational study.** *Journal of critical care*  
Barmparas, G., Liou, D., Lee, D., Fierro, N., Bloom, M., Ley, E., Salim, A., Bukur, M.  
2014; 29 (6): 936–41
- **Prehospital hypertension is predictive of traumatic brain injury and is associated with higher mortality.** *The journal of trauma and acute care surgery*  
Barmparas, G., Liou, D. Z., Lamb, A. W., Gangi, A., Chin, M., Ley, E. J., Salim, A., Bukur, M.  
2014; 77 (4): 592–98
- **Gastric Adjustable Band as a Retained Foreign Object: A Case Report** *BARIATRIC SURGICAL PRACTICE AND PATIENT CARE*  
Felder, S. I., Liou, D. Z., Gangi, A.  
2013; 8 (4): 166–68
- **Gender impacts mortality after traumatic brain injury in teenagers** *JOURNAL OF TRAUMA AND ACUTE CARE SURGERY*  
Ley, E. J., Short, S. S., Liou, D. Z., Singer, M. B., Mirocha, J., Melo, N., Bukur, M., Salim, A.  
2013; 75 (4): 682–86
- **Emergency department blood transfusion: the first two units are free** *JOURNAL OF SURGICAL RESEARCH*  
Ley, E. J., Liou, D. Z., Singer, M. B., Mirocha, J., Melo, N., Chung, R., Bukur, M., Salim, A.  
2013; 184 (1): 546–50
- **Surgical management of advanced adrenocortical carcinoma: a 21-year population-based analysis.** *The American surgeon*  
Tran, T. B., Liou, D., Menon, V. G., Nissen, N. N.  
2013; 79 (10): 1115–18
- **Midodrine: a novel therapeutic for refractory chylothorax.** *Chest*  
Liou, D. Z., Warren, H., Maher, D. P., Soukiasian, H. J., Melo, N., Salim, A., Ley, E. J.  
2013; 144 (3): 1055–57
- **Acute kidney injury in elderly trauma: not associated with admission IV contrast.** *J Trauma Treat*  
Liou, D. Z., Berry, C., Singer, M. B., Rudd, S., Torbati, S. S., Silka, P. A., Bukur, M., Salim, A., Ley, E. J.  
2013; 2 (172)
- **Insurance-and race-related disparities decrease in elderly trauma patients.** *The journal of trauma and acute care surgery*  
Singer, M. B., Liou, D. Z., Clond, M. A., Bukur, M., Mirocha, J., Margulies, D. R., Salim, A., Ley, E. J.  
2013; 74 (1): 312–16
- **Does a history of postoperative ileus predispose to recurrent ileus after multistage ileal pouch-anal anastomosis?** *Techniques in coloproctology*  
Le, Q., Liou, D. Z., Murrell, Z., Fleshner, P.  
2013; 17 (4): 383–88
- **Insurance type, not race, predicts mortality after pediatric trauma.** *The Journal of surgical research*  
Short, S. S., Liou, D. Z., Singer, M. B., Bloom, M. B., Margulies, D. R., Bukur, M., Salim, A., Ley, E. J.  
2013; 184 (1): 383–87
- **Supratherapeutic vancomycin levels after trauma predict acute kidney injury and mortality.** *The Journal of surgical research*  
Ley, E. J., Liou, D. Z., Singer, M. B., Mirocha, J., Srour, M., Bukur, M., Margulies, D. R., Salim, A.  
2013; 184 (1): 501–6
- **Increasing intent to donate in Hispanic American high school students: results of a prospective observational study.** *Transplantation proceedings*  
Salim, A., Berry, C., Ley, E. J., Liou, D. Z., Schulman, D., Navarro, S., Zheng, L., Chan, L. S.  
2012; 45 (1): 13–19

- **Support for blood alcohol screening in pediatric trauma.** *American journal of surgery*  
Ley, E. J., Singer, M. B., Short, S. S., Liou, D., Bukur, M., Malinoski, D. J., Margulies, D. R., Salim, A.  
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- **Preoperative FDG-PET for axillary metastases in patients with breast cancer.** *Archives of surgery (Chicago, Ill. : 1960)*  
Chung, A., Liou, D., Karlan, S., Waxman, A., Fujimoto, K., Hagiike, M., Phillips, E. H.  
2006; 141 (8): 783–88; discussion 788–89
- **Selective nonoperative management of abdominal stab wounds: prospective, randomized study.** *World journal of surgery*  
Leppäniemi, A. K., Haapiainen, R. K.  
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