Takashi Eguchi, MD, PhD, FCCP, FACS

Assistant Professor
Department of Cardiovascular and Thoracic Surgery
The University of Texas Southwestern Medical Center
5323 Harry Hines Blvd., Dallas, Texas 75390, the United States of America
Tel: +1 214-648-3111
E-mail: Takashi.Eguchi@UTSouthwestern.edu

Education and Qualifications

Apr/2008–Sep/2012	PhD in Medical Science, Graduate School of Medicine, Shinshu University (September 30, 2012: No. KOU950)
May/2001	Doctor's license in Japan (May 2, 2001: No. 414692)
Apr/1995–Mar/2001	BS in Medicine, School of Medicine, Shinshu University (Mar 20, 2001: No. 3725)

United States Medical Licensing Examination (USMLE) and Education Commission for Foreign Medical Graduates (ECFMG)

Dec/2017	USMLE Step 3
Mar/2017	ECFMG Certificate (March 14, 2017: No. 09743741)
Jan/2017	USMLE Step 2 Clinical Skills (CS)
May/2016	USMLE Step 2 Clinical Knowledge (CK)
Sep/2015	USMLE Step 1

Professional Experience

Feb/2025–present	Assistant Professor	Division of Thoracic Surgery, Department of Cardiovascular and Thoracic Surgery, UT Southwestern Medical Center, Dallas, TX, USA
Sep/2019–Dec/2024	Senior Assistant Professor	Division of General Thoracic Surgery, Department of Surgery, Shinshu University School of Medicine, Matsumoto, Japan
Jul/2018–Jun/2019	Clinical fellow (Advanced Thoracic Surgical Oncology Fellowship)	Thoracic Service, Department of Surgery, Memorial Sloan Kettering Cancer Center, New York, NY, USA
Jun/2014–Jun/2018	Visiting investigator	Thoracic Service, Department of Surgery, Memorial Sloan Kettering Cancer Center, New York, NY, USA
Mar/2013–May/2014	Assistant professor	Division of Thoracic Surgery, Department of Surgery, Shinshu University School of Medicine, Matsumoto, Japan

Jul/2012–May/2014	Attending surgeon	Division of Thoracic Surgery, Department of Surgery, Shinshu University Hospital, Matsumoto, Japan
Jul/2010–Jul/2012	Attending surgeon	Department of Thoracic surgery, Ina Central Hospital, Ina, Japan
Apr/2010–Jul/2010	Attending surgeon	Division of Thoracic Surgery, Department of Surgery, Shinshu University Hospital, Matsumoto, Japan
Apr/2008–Mar/2010	Research fellow	Division of Thoracic Surgery, Department of Surgery, Shinshu University School of Medicine, Matsumoto, Japan
Apr/2003–Mar/2008	Clinical fellow	Division of Thoracic Surgery, Department of Surgery, Shinshu University Hospital, Matsumoto, Japan
May/2001–Mar/2003	Surgical resident	Department of Surgery, Shinshu University Hospital, Matsumoto, Japan

Board Certification

Dec/2013	Board Certified Member of the Japanese Respiratory Society (December 6, 2013: No. 002283)
Apr/2010	Board Certified General Thoracic Surgeon (The Japanese Association for Chest Surgery: The Japanese Board of General Thoracic Surgery) (April 1, 2010: No. 2000367)
Dec/2007	Board Certified Surgeon (Japan Surgical Society) (December 1, 2007: No. 1914079)

Memberships

- American College of Surgeons (Fellow of American College of Surgeons)
- The Society of Thoracic Surgeons
- American College of Chest Physicians (Fellow of American College of Chest Physicians)
- The International Association for the Study of Lung Cancer
- The Japan Surgical Society
- The Japanese Association for Chest Surgery

Research Experience

Jan/2022–present	Investigated the role of IgG4 and immune cell distribution in lung cancer: tumor microenvironment leading to fibrosis and immune tolerance
Sep/2019–present	Investigated the metastatic mechanisms of spread through air spaces (STAS) in lung cancer and the intraoperative detection of STAS
Sep/2019–present	Investigated preoperative simulation and intraoperative navigation for lung segmentectomy using three-dimensional imaging
Sep/2019–Aug/2021	Investigated the optimal pain management after thoracic surgery

Jun/2014–Jun/2018 Investigated and published key observations on the clinicopathologic, immune, and molecular characteristics of thoracic malignancies:

1) Published comprehensive series investigating competing risks analysis in the prognostic assessment of patients undergoing lung resection for early-stage lung cancer
2) Published a prognostic investigation of noncancer-specific outcomes in elderly patients undergoing minimally invasive surgery for lung cancer
3) Published a risk assessment nomogram score that can also help decide treatment steps for patients undergoing surgery for early-stage lung cancer.
4) Published patient series examining primary lung tumors and autologous metastases in patients with lung adenocarcinoma.
5) Published a prognostic association of high-grade subtypes and tumor spread through air spaces (STAS) in lung cancer.
6) Published a cancer antigen profiling to develop a personalized immunotherapeutic strategy for patients with malignant pleural mesothelioma.
7) Investigated tumor immune microenvironment in lung cancer and malignant pleural mesothelioma.
8) Published prognostic impact of a gene signature and its association with histologic characteristics in early-stage lung adenocarcinoma.

Jul/2012–May/2014 Published the correlation between radiological and pathological characteristics of pulmonary nodules detected by CT.

Jul/2010–Jul/2012 Published an iPad-assisted three-dimensional imaging navigation technique for use during lung segmentectomy.

Jul/2010–Jul/2011 Published the utility of FDG-PET scans for predicting pathological classification of thymic epithelial tumors.

Apr/2008–Mar/2010 Published investigation of cytoskeletal rearrangement of neutrophils due to single-lung ventilation in murine and human models.

Academic Grants

2024-2026 Grant-in-Aid for for Scientific Research (C), Japan Society for the Promotion of Science (No. 24K12008) 4,550,000 JPY

Title: IgG4 and immune cell distribution in lung cancer: tumor microenvironment leading to fibrosis and immune tolerance

2022-2024 Research Grant for Medical Education, Japan Medical Education Foundation (JMEF) (No. J2203) 1,000,000 JPY

Title: Development of a systematic training program in thoracic surgery via dictation and simulation practice

2020–2023	Grant-in-Aid for Early-Career Scientists, Japan Society for the Promotion of Science (No. 20K17742) Title: Investigation of the metastatic mechanisms in spread through air spaces (STAS) in lung cancer	4,160,000 JPY
2014–2016	Maezawa Hospital Study Abroad Scholarship	10,800,000 JPY
2014	Sumitomo Life Welfare and Culture Foundation Study Abroad Scholarship	1,500,000 JPY
2014	Shinshu University Hospital Study Abroad Scholarship	2,500,000 JPY
2008–2009	Grant-in-Aid for Young Scientists (B), Japan Society for the Promotion of Science (No. 20790983) Title: Cytoskeletal rearrangement of neutrophils after one-lung ventilation	4,030,000 JPY

Publications

Peer-reviewed international journals (*Corresponding author)

1. Miura K, Ide S, Minamisawa M, Mishima S, Nakamura D, Matsuoka S, Kumeda H, Eguchi T, Hamanaka K, Kuwahara K, Shimizu K. Impact of preoperative brain natriuretic peptide level for predicting postoperative respiratory complications. ***J Thorac Dis***. 2024 Dec 31;16(12):8389-8398.
2. Koyama T, Shimizu K, Mishima S, Matsuoka S, Takeda T, Miura K, Agatsuma H, Eguchi T, Hamanaka K, Yoshida K. Investigation of pure lung microbiota in patients with lung cancer after eliminating upper airway contamination: a prospective cohort study. ***J Thorac Dis***. 2024 Nov 30;16(11):7329-7341.
3. Miura K, Eguchi T, Hamanaka K, Sonehara K, Komatsu M, Shimizu K. Complex segmentectomy for non-palpable small lung cancer adjacent to the incomplete interlobar fissure using radiofrequency identification. ***Gen Thorac Cardiovasc Surg***. 2024 Oct 12. Online ahead of print.
4. Matsuoka S, Hara D, Nakamura D, Kumeda H, Miura K, Iwaya M, Eguchi T, Hamanaka K, Uehara T, Shimizu K. Long-term pulmonary repair in rat lungs after sublobar resection: electrocautery versus stapler methods. ***Gen Thorac Cardiovasc Surg***. 2024 Oct 28. Online ahead of print.
5. Koyama T, Shimizu K, Mishima S, Matsuoka S, Takeda T, Miura K, Agatsuma H, Eguchi T, Hamanaka K, Yoshida K. Investigation of pure lung microbiota in patients with lung cancer after eliminating upper airway contamination: a prospective cohort study. ***J Thorac Dis***. 2024 Nov 30;16(11):7329-7341.
6. Matsuoka S, Eguchi T*, Iwaya M, Seshimoto M, Mishima S, Hara D, Kumeda H, Miura K, Hamanaka K, Uehara T, Shimizu K. Prognostic Significance of Immune-Cell Distribution and Tumoral Spread Through Air Spaces – Multiplex Spatial Immunophenotyping Analysis–. ***Heliyon***. 2024 Sep 4;10(17):e37412.

7. Komatsu M, Miura K, Yamanaka M, Suzuki Y, Araki T, Goto N, Akahane J, Sonehara K, Matsuoka S, Eguchi T, Hamanaka K, Shimizu K, Yasuo M, Hanaoka M. Evaluation of radiofrequency identification tag accuracy using bronchoscopy with fluoroscopy and virtual navigation guidance before segmentectomy. ***Surg Endosc***. 2024 Sep;38(9):5438-5445.
8. Eguchi T*, Matsuoka S, Iwaya M, Kobayashi S, Seshimoto M, Mishima S, Hara D, Kumeda H, Miura K, Hamanaka K, Uehara T, Shimizu K. Improving intraoperative diagnosis of spread through air spaces: A cryo-embedding-medium inflation method for frozen section analysis. ***JTCVS Tech***. 2024 June; 25:170-176
9. Tan KS*, Reiner A, Emoto K, Eguchi T, Takahashi Y, Aly RG, Rekhtman N, Adusumilli PS, Travis WD. Novel insights into the International Association for the Study of Lung Cancer grading system for lung adenocarcinoma. ***Mod Pathol***. 2024 May 21;37(7):100520.
10. Seshimoto M, Eguchi T*, Matsuoka S, Mishima S, Hara D, Kumeda H, Miura K, Hamanaka K, Shimizu K. Thoracoscopic Left Lung S9bii Subsegmentectomy for an Embedded Foreign Body in the Bronchus: A Case Report. ***VATS***. 2024 Nov 7.
11. Ide S, Eguchi T*, Mishima S, Matsuoka S, Takeda T, Miura K, Hamanaka K, Shimizu K. A Cautionary Tale for Thoracic Surgery Teams: Unexpected Surgical Fire during Open-Window Thoracostomy: A Case Report. ***Shanghai Chest.*** 2024 July 17.
12. Miura K, Ide S, Minamisawa M, Mishima S, Matsuoka S, Eguchi T, Hamanaka K, Shimizu K. Sublobar resection or lobectomy and postoperative respiratory complications in emphysematous lungs. ***Eur J Cardiothorac Surg***. 2024 Mar 1;65(3):ezae061.
13. Eguchi T*, Kumeda H, Miura K, Hamanaka K, Shimizu K. Saving lives in thoracic surgery: balancing oncological radicality and functional preservation, transitioning from standard pneumonectomy to targeted sublobar resection. ***Cancers (Basel)***. 2024 Feb 18;16(4):819.
14. Matsuoka S, Eguchi T (co-first author), Seshimoto M, Mishima S, Hara D, Kumeda H, Miura K, Hamanaka K, Shimizu K*. Segmentectomy-oriented anatomical model for enhanced precision surgery of the left upper lobe. ***JTCVS Tech***. 2023 Dec 15;23:92-103.
15. Eguchi T*, Ide S, Matsuoka S, Iijima Y, Mishima S, Hara D, Kumeda H, Miura K, Hamanaka K, Shimizu K. Predicting 1-Year Non-Cancer-Related Adverse Events After Lung Resection. ***Interdiscip Cardiovasc Thorac Surg***. 2023 Dec 5;37(6):ivad199
16. Hamanaka K*, Miura K, Eguchi T, Shimizu K. Harnessing 3D-CT Simulation and Planning for Enhanced Precision Surgery: A Review of Applications and Advancements in Lung Cancer Treatment. ***Cancers (Basel)***. 2023 Nov 14;15(22):5400.
17. Miura K, Eguchi T (co-first author), Ide S, Mishima S, Matsuoka S, Takeda T, Hamanaka K, Shimizu K*. Bronchial branching patterns and volumetry in the right upper lobe: Impact on segmentectomy planning. ***Interdiscip Cardiovasc Thorac Surg***. 2023 Aug 17. Online ahead of print
18. Eguchi T*, Shimura M, Mishima S, Miura K, Hamanaka K, Shimizu K. Tailored practical simulation training in robotic surgery: A new educational technology. ***Ann Thorac Surg Short Rep***. 2023;1:474-478
19. Eguchi T*. Personalized medicine in thoracic surgery: The role and future of robotic-assisted techniques. ***J Pers Med***. 2023 Jun 13;13(6):986

20. Matsuoka S, Shimizu K*, Koike S, Takeda T, Miura K, Eguchi T, Hamanaka K. Significance of the evaluation of tracheal length using a three-dimensional imaging workstation. ***J Thorac Dis***. 2022 Nov;14(11):4276-4284.
21. Shimura M, Miura K*, Koizumi T, Kanda S, Mishima S, Hara D, Matsuoka S, Eguchi T, Hamanaka K, Uehara T, Shimizu K. Successful resection after first-line lenvatinib therapy in an advanced thymic carcinoma. ***Thorac Cancer***. 2023 May 2. Online ahead of print
22. Sakakura N*, Eguchi T*. Port placement variations for robotic lung resection: focusing on their history, conventional look-up-view and horizontal open-thoracotomy-view techniques, and more. ***J Pers Med.*** 2023 Jan 27;13(2):230.
23. Kumeda H, Saito G, Eguchi T*, Hara D, Shimizu K. Clinical features of recurrent spontaneous pneumomediastinum. ***J Thorac Dis***. 2023 Feb 28;15(2):462-471.
24. Li Y, Byun AJ, Choe JK, Lu S, Restle D, Eguchi T, Tan KS, Saini J, Huang J, Rocco G, Jones DR, Travis WD, Adusumilli PS*. Micropapillary and solid histologic patterns in N1 and N2 lymph node metastases are independent factors of poor prognosis in patients with stage II-III lung adenocarcinoma. ***J Thorac Oncol***. 2023 May;18(5):608-619.
25. Hamanaka K, Miura K, Eguchi T, Shimizu K. Simulation and navigation techniques in segmentectomy for lung cancer. ***Video-Assist Thorac Surg***. 2023. https://dx.doi.org/10.21037/vats-22-42
26. Mishima S, Shimizu K, Hamanaka K, Eguchi T. The extent of pulmonary resection for lung metastases from colorectal cancer. ***J Thorac Dis***. 2022 Oct;14(10):3667-3670.
27. Eguchi T*, Miura K, Hamanaka K, Shimizu K. Robotic segmentectomy via a lung base-flip approach. ***JTCVS Tech***. 2022 Aug 3;15:174-176. eCollection 2022 Oct.
28. Eguchi T*, Miura K, Hamanaka K, Shimizu K. Adoption of robotic core technology in minimally invasive lung segmentectomy: Review. ***J Pers Med***. 2022 Aug 30;12(9):1417.
29. Miura K, Shimizu K*, Mishima S, Matsuoka S, Eguchi T, Hamanaka K. Anatomical resection for right B^3 downwards-shifting malformation. ***Gen Thorac Cardiovasc Surg***. 2022 Oct 27. Online ahead of print.
30. Koike S, Shimizu K*, Ide S, Mishima S, Matsuoka S, Takeda T, Miura K, Eguchi T, Hamanaka K, Araki T, Sonehara K, Todoroki K, Ichinohe F, Kawakami S, Koinuma M. Is using a consolidation tumor ratio 0.5 as criterion feasible in daily practice? Evaluation of interobserver measurement variability of consolidation tumor ratio of lung cancer less than 3 cm in size. ***Thorac Cancer.*** 2022 Oct 3. Online ahead of print.
31. Eguchi T*, Hara D, Matsuoka S, Miura K, Hamanaka K, Shimizu K. Three-step strategy for robotic lung segmentectomy. ***Multimed Man Cardiothorac Surg***. 2022 May 26.
32. Matsuoka S, Koizumi T*, Otsuki K, Tanaka Y, Kanda S, Ide S, Mishima S, Takeda T, Miura K, Eguchi T, Hamanaka K, Shimizu K. Epidemiological analysis of lung and mediastinal neuroendocrine neoplasms in Japan based on the national database. ***Cancer Epidemiol*** 2022 April; 77: 102116
33. Takeda T, Matsuoka S, Miura K, Hamanaka K, Shimizu K, Eguchi T*. Prediction of pulmonary artery-adherent lymph nodes for minimally invasive lung resection. ***Ann Thorac Surg*** 2022 Sep;114(3):969-977. Epub 2022 Feb 3.

*Media (1): Eguchi T. Prevention of intraoperative catastrophic events during minimally invasive lung cancer surgery. **Asian Hospital & Healthcare Management**. Retrieved from https://www.asianhhm.com/articles/prevention-of-intraoperative-catastrophic-events*

34. Miura K, Shimizu K*, Hasegawa S, Koike S, Matsuoka S, Takeda T, Eguchi T, Hamanaka K, Takizawa M. Non-incisional pleurectomy/decortication for malignant mesothelioma after cardiac surgery. ***Thorac Cancer***. 2022 Jan;13(1):126-128
35. Yamazaki S, Koike S, Eguchi T*, Matsuoka S, Takeda T, Miura K, Hamanaka K, Shimizu K. Preemptive intercostal nerve block as an alternative to epidural analgesia. ***Ann Thorac Surg.*** 2022 Jul;114(1):257-264. Epub 2021 Aug 10.
36. Koike S, Eguchi T (co-first author), Matsuoka S, Takeda T, Miura K, Shimizu K, Hamanaka K*. Impact of counterclockwise rotation of the right middle lobe following right upper lobectomy. ***Interact Cardiovasc Thorac Surg***. 2022 Jun 1;34(6):1062-1070.
37. Miura K, Shimizu K*, Ide S, Mishima S, Matsuoka S, Takeda T, Eguchi T, Hamanaka K, Uehara T. A Novel Strategy for the Diagnosis of Pulmonary High-Grade Neuroendocrine Tumor. ***Diagnostics (Basel)***. 2021 Oct 20;11(11):1945.
38. Matsuoka S, Eguchi T*, Koyama T, Takeda T, Miura K, Hamanaka K, Shimizu K. Three-dimensional computed tomography-guided excision of an intrathoracic giant thymoma with elongated thymic vessels. ***Multimed Man Cardiothorac Surg.*** 2021 Aug 19.
39. Eguchi T, Sato T, Shimizu K*. Technical advances in segmentectomy for lung cancer: A minimally invasive strategy for deep, small, and impalpable tumors. ***Cancers (Basel).*** 2021 Jun 23;13(13):3137.
40. Miura K, Shimizu K*, Eguchi T, Koike S, Matsuoka S, Takeda T, Hamanaka K, Uehara T. Usefulness of SS18-SSX antibody as a diagnostic marker for pulmonary metastatic synovial sarcoma. ***Diagn Pathol***. 2021 Jun 14;16(1):54.
41. Koyama T, Matsuoka S, Eguchi T*, Koike S, Takeda T, Miura K, Hamanaka K, Shimizu K. Emergency surgery for a ruptured bronchial artery aneurysm: a case report. ***Curr Challenge Thorac Surg.*** 2021 Jan 24.
42. Koyama T, Shimizu K*, Uehara T, Matsuoka S, Yamada K, Eguchi T, Hamanaka K, Sano K. Synchronous triple primary lung cancer with three different histological subtypes in the same lobe: A case report. ***Thorac Cancer.*** 2021 Mar;12(5):711-714.
43. Eguchi T*, Hamanaka K, Shimizu K. Thymic malignancy still needs aggressive surgery: safety and oncological feasibility of superior vena cava resection. ***Ann Thorac Surg*** 2021 Jul;112(1):277-278.
44. Nakazawa S, Shimizu K*, Kawatani N, Obayashi K, Ohtaki Y, Nagashima T, Eguchi T, Yajima T, Shirabe K. Right upper lobe segmentectomy guided by simplified anatomic models. ***JTCVS Tech.*** 2020 Aug 13;4:288-297
45. Matsuoka S, Eguchi T (co-first author), Takeda T, Miura K, Hamanaka K, Shimizu K*. Three-dimensional computed tomography and indocyanine green-guided technique for pulmonary sequestration surgery. ***Gen Thorac Cardiovasc Surg.*** 2021 Mar;69(3):621-624.
46. Takeda T, Eguchi T *, Koike S, Koyama T, Matsuoka S, Miura K, Hamanaka K, Satoh Y, Uehara T, Shimizu K. Growing thymic granuloma adjacent to a thymic cyst mimicking

malignancy: a case report. ***Mediastinum.*** 2020 Sep;4:20.

47. Gritsiuta AY, Eguchi T, Jones DR, Rocco G*. A stepwise approach for postlobectomy bronchopleural fistula. ***Oper Tech Thorac Cardiovasc Surg.*** 2020 Jun; 25(2):85-104.
48. Hamanaka K*, Eguchi T, Shimizu K. Eighth edition T category is prognostic: the size of the solid component matters, not the ratio. ***J Thorac Dis.*** 2020 Jun;12(6):3426-3428.
49. Vaghjiani RG, Takahashi Y, Eguchi T (co-first author), Lu S, Kameda K, Tano Z, Dozier J, Tan KS, Jones DR, Travis WD, Adusumilli PS*. Tumor spread through air spaces (STAS) is a predictor of occult lymph node metastasis in clinical stage IA lung adenocarcinoma. ***J Thorac Oncol.*** 2020 May;15(5):792-802.
50. Yagi Y, Aly RG, Tabata K, Barlas A, Rekhtman N, Eguchi T, Montecalvo J, Hameed M, Manova-Todorova K, Adusumilli PS, Travis WD*. Three-dimensional histologic, immunohistochemical and multiplex immunofluorescence analysis of dynamic vessel co-option of spread through air spaces (STAS) in lung adenocarcinoma. ***J Thorac Oncol.*** 2020 Apr;15(4):589-600.
51. Muller S, Lai WV, Adusumilli PS, Desmeules P, Frosina D, Jungbluth A, Ni A, Eguchi T, Travis WD, Ladanyi M, Zauderer M, Sauter J*. V-domain Ig-containing suppressor of T-cell activation (VISTA), a potentially targetable immune checkpoint molecule, is highly expressed in epithelioid malignant pleural mesothelioma. ***Mod Pathol.*** 2020 Feb;33(2):303-311.
52. Zeltsman M, Dozier J, Vaghjiani RG, Poch A, Eguchi T, Pedoto A, Jones DR, Adusumilli PS*. Decreasing use of epidural analgesia with increasing minimally invasive lobectomy: Impact on postoperative morbidity. ***Lung Cancer.*** 2020 Jan;139:68-72.
53. Hristov B, Eguchi T (co-first author), Bains S, Dycoco J, Tan KS, Isbell JM, Park BJ, Jones DR, Adusumilli PS*. Minimally invasive lobectomy is associated with lower noncancer-specific mortality in elderly patients – A propensity score matched competing risks analysis. ***Ann Surg.*** 2019 Dec;270(6):1161-1169.
54. Emoto K, Eguchi T, Tan KS, Takahashi Y, Aly RG, Rekhtman N, Adusumilli PS, Travis WD*. Expansion of the concept of micropapillary adenocarcinoma to include a newly recognized filigree pattern as well as the classical pattern based on 1468 Stage I lung adenocarcinomas. ***J Thorac Oncol.*** 2019 Nov;14(11):1948-1961.
55. Li X, Eguchi T, Aly RG, Chintala NK, Tan KS, Zauderer MG, Dembitzer FR, Beasley MB, Ghebrehiwet B, Adusumilli PS, Peerschke EIB*. Globular C1q receptor (gC1qR/p32/HABP1) is overexpressed in malignant pleural mesothelioma and is associated with increased survival in surgical patients treated with chemotherapy. ***Front Oncol***. 2019 Oct 11;9:1042.
56. Tan KS*, Eguchi T, Adusumilli PS. Reporting net survival in populations: a sensitivity analysis in lung cancer demonstrates the differential implications of reporting relative survival and cause-specific survival. ***Clin Epidemiol***. 2019 Sep 2;11:781-792.
57. Aly RG, Rekhtman N, Li X, Takahashi Y, Eguchi T, Tan KS, Rudin CM, Adusumilli PS, Travis WD*. Spread through air spaces (STAS) is prognostic in atypical carcinoid, large cell neuroendocrine carcinoma, and small cell carcinoma of the lung. ***J Thorac Oncol.*** 2019 Sep;14(9):1583-1593.

58. Qu Y, Emoto K, Eguchi T, Aly RG, Zheng H, Chaft JE, Tan KS, Jones DR, Kris MG, Adusumilli PS, Travis WD*. Pathologic assessment after neoadjuvant chemotherapy for non-small cell lung cancer: Importance and implications of distinguishing adenocarcinoma from squamous cell carcinoma. ***J Thorac Oncol.*** 2019 Mar;14(3):482-493.

59. Bains S, Eguchi T (co-first author), Warth A, Yeh YC, Nitadori J, Woo KM, Chou TY, Dienemann H, Muley T, Nakajima J, Shinozaki-Uhiku A, Wu YC, Lu S, Kadota K, Jones DR, Travis WD, Tan KS, Adusumilli PS*. Procedure-specific risk prediction for recurrence in patients undergoing lobectomy or sublobar resection for small (≤2 cm) lung adenocarcinoma: An international cohort analysis. ***J Thorac Oncol.*** 2019 Jan;14(1):72-86.

60. Eguchi T, Kameda K, Lu S, Bott M, Tan KS, Montecalvo J, Chang JC, Rekhtman N, Jones DR, Travis WD, Adusumilli PS*. Lobectomy is associated with better outcomes than sublobar resection in spread through air spaces (STAS)–positive T1 lung adenocarcinoma: A propensity score–matched analysis. ***J Thorac Oncol.*** 2019 Jan;14(1):87-98.

    Editorial: David EA, Atay SM, McFadden M, Kim AW. Sublobar or suboptimal: Does tumor spread through air spaces signify the end of sublobar resections for T1N0 adenocarcinomas? J Thorac Oncol. 2019 Jan;14(1):11-12.

61. Kameda K, Eguchi T (co-first author), Lu S, Qu Y, Tan KS, Kadota K, Adusumilli PS, Travis WD*. Implications of the eighth edition of the TNM proposal: Invasive vs. total tumor size for the T descriptor in pathologic stage I-IIA lung adenocarcinoma. ***J Thorac Oncol.*** 2018 Dec;13(12):1919-1929.

62. Takahashi Y, Eguchi T, Kameda K, Lu S, Vaghjiani RG, Tan KS, Travis WD, Jones DR, Adusumilli PS*. Histologic subtyping in pathologic stage I-IIA lung adenocarcinoma provides risk-based stratification for surveillance. ***Oncotarget.*** 2018 Nov 6;9(87):35742-35751.

63. Takahashi Y, Eguchi T, Lu S, Downey RJ, Jones DR. Travis WD, Adusumilli PS*. Predominance of high-grade histologic subtype in autologous metastases in lung adenocarcinoma. ***Am J Respir Crit Care Med.*** 2018 Mar 15;197(6):816-818.

64. Bucciarelli PR, Tan KS, Chudgar NP, Brandt W, Montecalvo J, Eguchi T, Liu Y, Aly R, Travis WD, Adusumilli PS, Jones DR*. BRMS1 expression in surgically resected lung adenocarcinoma predicts future metastases and is associated with a poor prognosis. ***J Thorac Oncol.*** 2018 Jan;13(1):73-84.

65. Tan KS*, Eguchi T, Adusumilli PS. Competing risks and cancer-specific mortality: why it matters. ***Oncotarget.*** 2017 Dec 28;9(7):7272-7273.

66. Zheng H, Zeltsman M, Zauderer MG, Eguchi T, Vaghjiani RG, Adusumilli PS*. Chemotherapy-induced immunomodulation in non-small cell lung cancer: A rationale for combination chemoimmunotherapy. ***Immunotherapy.*** 2017 Sep;9(11):913-927.

67. Eguchi T, Kadota K, Mayor M, Zauderer MG, Rimner A, Rusch VW, Travis WD, Sadelain M, Adusumilli PS*. Cancer antigen profiling for malignant pleural mesothelioma immunotherapy: Expression and coexpression of mesothelin, cancer antigen 125, and Wilms tumor 1. ***Oncotarget.*** 2017 Sep 12;8(44):77872-77882.

68. Eguchi T, Adusumilli PS*. Competing risks analysis in the prognostic assessment of patients undergoing lung resection. ***J Thorac Dis.*** 2017 Apr;9(4):E395-E397.

69. Eguchi T, Adusumilli PS*. Risk stratification for lung nodules: Size isn't everything. ***J Thorac Cardiovasc Surg*.** 2017 Jun;153(6):1557-1562.

    Editorial: Burt BM. Clarity and clairvoyance: review and prediction of management guidelines for early stage lung cancer. J Thorac Cardiovasc Surg. 2017; 153: 1563-1564

70. Eguchi T, Adusumilli PS*. Reply to C. G. Rusthoven et al. ***J Clin Oncol***. 2017 May 20;35(15):1751-1752. doi: 10.1200/JCO.2016.72.0029. Epub 2017 Feb 21. *(Correspondence to: Rusthoven CG, Palma DA, Senan S, Kavanagh BD. The head start effect: Will acute and delayed postoperative mortality lead to improved survival with stereotactic body radiation therapy for operable stage I non-small-cell lung cancer? J Clin Oncol. 2017; 35: 1749-1751.)*

71. Lu S, Tan KS, Kadota K, Eguchi T, Bains S, Rekhtman N, Adusumilli PS, Travis WD*. Spread through air spaces (STAS) is an independent predictor of recurrence and lung cancer specific death in squamous cell carcinoma. ***J Thorac Oncol*.** 2017 Feb;12(2):223-234.

    Editorial: Warth A, Beasley MB, Mino-Kenudson M. Breaking new ground: the evolving concept of spread through air spaces (STAS). J Thorac Oncol. 2017; 12: 176-178

72. Eguchi T, Bains S, Lee MC, Tan KS, Hristov B, Buitrago DH, Bains MS, Downey RJ, Huang J, Isbell JM, Park BJ, Rusch VW, Jones DR, Adusumilli PS*. Impact of increasing age on cause-specific mortality and morbidity in patients with stage I non-small cell lung cancer: a competing risks analysis. ***J Clin Oncol***. 2017 Jan 20;35(3):281-290.

    Editorial (1): Ng CS, Zhao ZR, Lau RW. Tailored therapy for stage I non-small cell lung cancer, J Clin Oncol. 2017; 35: 268-270

    Editorial (2): Taylor LJ, Maloney JD. Moving beyond disease-focused decision making: understanding competing risks to personalize lung cancer treatment for older adults. J Thorac Dis. 2017; 9: 8-12

    Editorial (3): Kim JY. Analyzing competing risks in the treatment of lung cancer: a good start, J Thorac Dis. 2017; 9: 474-476

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    Media (2): Neighmond P. (2016, November 21).Older Patients Can Benefit From Lung Cancer Surgery. ***NPR.*** *Retrieved from http://www.npr.org/sections/health-shots/2016/11/21/502512901/older-patients-can-benefit-from-lung-cancer-surgery*

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Textbook chapter

Eguchi T*, Sato A, Shimizu Y, Hidai Y, Takasuna K, Yoshida K, Matsubara M, Shinoda A, Fujiwara M, and Amano J. Multiple schwannomas: Diagnosis and treatment. In: Hayat MA, ed. ***Tumors of the Central Nervous System, Volume11.*** Springer, Dordrecht. 2014; 315-21

Presentations at International Conferences

1. Katsuno M, Eguchi T, Oguchi Y, Mishima S, Nakamura D, Terada Y, Kumeda H, Hamanaka K, Shimizu K. Seamless Transition from Off- to On-the-Job Non-Technical Skills Training: Action-Oriented, Task-Based Program. ***2025 Annual Meeting of the Association for***

Surgical Education (**Poster session**, accepted)

2. Eguchi T. Basilar Single Segmentectomy with Predicted Staple Lines Using Isosceles Triangle Theory. ***AATS 105th Annual Meeting*** (**Case Video session**, accepted)
3. Kumeda H, Eguchi T, Oguchi Y, Katsuno M, Mishima S, Nakamura D, Terada Y, Hamanaka K, Shimizu K. Impact of Segmental Location, Fibrosis, and Emphysema on Predicting Volume Loss During Lung Resection. ***AATS 105th Annual Meeting*** (Poster session, accepted)
4. Matsuoka S, Eguchi T, Oguchi Y, Katsuno M, Mishima S, Nakamura D, Terada Y, Kumeda H, Hamanaka K, Shimizu K. Prognostic Insight of IgG4-Based Immune Escape and Immune Cell Distribution Gap in Lung Cancer. ***AATS 105th Annual Meeting*** (Poster session, accepted)
5. Eguchi T, Seshimoto M, Mishima S, Hara D, Matsuoka S, Kumeda H, Miura K, Hamanaka K, Shimizu K. From Theory to Practice: A Case Study and Comparative Analysis of Segmentectomy in Centrally Located Lung Tumors. ***AATS International Thoracic Surgical Oncology Summit***, Sep 22, 2023. New York, USA. (**Oral session**)
6. Eguchi T, Ide S, Mishima S, Matsuoka S, Tetsu T, Miura K, Hamanaka K, Shimizu K. Safe and Secure Robotic Lung Segmentectomy – 3D-CT Planning, and Precise Hilar Dissection Technique. ***Asian-Pacific Congress of Robotic Laparoscopic Surgery 2022***, Dec 9, 2022, Nagoya, Japan (**Oral session**, **Workshop**)
7. Eguchi T. Three-step strategy for robotic complex lung segmentectomy with precise dissection techniques. ***ACS Clinical Congress 2022***, Oct 18, 2022, San Diego, USA. (**Video-Based Education session**)
8. Eguchi T, Miura K, Hamanaka K, Shimizu K. Robotic lung segmentectomy in patients with pulmonary artery-adherent lymph nodes. ***AATS International Thoracic Surgical Oncology Summit***, Sep 30, 2022. New York, USA. (**Case Video session**)
9. Eguchi T, Matsuoka S, Iwaya M, Uehara T, Kobayashi S, Ide S, Mishima S, Takeda T, Miura K, Hamanaka K, Shimizu K. Accurate intraoperative diagnosis of spread through air spaces (STAS) using a cryo-embedding-medium inflation method. ***IASLC 2022 World Conference on Lung Cancer***, Aug 7, 2022, Vienna, Austria. (**Mini-oral session**)
10. Eguchi T, Miura K, Hamanaka K, Shimizu K. Robotic left lateral basilar (S9b) subsegmentectomy using three-dimensional imaging simulation, radiofrequency identification marking, and lung base-flipped approach. ***AATS 102nd Annual Meeting***, May 14, 2022 Boston, USA (**Oral session**)
11. Eguchi T. Lung base-flipped approach for a robotic subsegmentectomy of the right posterior-basilar segment (S10b). ***STS 58th Annual Meeting***, Jan 29-31, 2022. (**Surgical video**)
12. Eguchi T, Takeda T, Miura K, Koike S, Matsuoka S, Hamanaka K, Sato T, Shimizu K. Radiofrequency Identification Marking in Lung Segmentectomy. ***STS 57th Annual Meeting***, Jan 29-31, 2021. (**Surgical video**)
13. Eguchi T, Takeda T, Matsuoka S, Miura K, Hamanaka K, Shimizu K. Preoperative prediction of pulmonary artery-infiltrated anthracotic hilar lymph nodes. ***International Thoracic Surgical Oncology Summit***, Oct 16-17, 2020. (Virtual poster session)

14. J. Minehart, T. Eguchi, A. Morello, P. Adusumilli. Clinical rationale and preclinical evidence for chimeric antigen receptor (CAR) T cell therapy clinical trial in KRAS-mutant lung cancer. ***IASLC 20th World Conference on Lung Cancer***, Sep 7-10, 2019, Barcelona, Spain. (**Oral session**)
15. Travis WD, Aly RG, Eguchi T, Rekhtman N, Yagi Y, Adusumilli PS. Impact of STAS in lung cancer staging. ***IASLC 20th World Conference on Lung Cancer***, Sep 7-10, 2019, Barcelona, Spain. (**Invited speaker session**)
16. Travis WD, Aly RG, Lu S, Eguchi T, Rekhtman N, Adusumilli PS. Therapeutic implication of spread through air spaces (STAS). ***IASLC 19th World Conference on Lung Cancer***, Sep 23-26, 2018, Toronto, Canada. (**Invited speaker session**)
17. Yagi Y, Aly RG, Tabata K, Rekhtman N, Eguchi T, Montecalvo J, Manova K, Adusumilli PS, Hameed M, Travis WD. Three-dimensional immunofluorescence analysis of dynamic vessel co-option of spread through air spaces (STAS) in lung cancer. ***IASLC 19th World Conference on Lung Cancer***, Sep 23-26, 2018, Toronto, Canada. (**Oral session**)
18. Takahashi Y, Eguchi T, Kameda K, Lu S, Vaghjiani RG, Tan KS, Jones DR, Travis WD, Adusumilli PS. Histologic subtyping in pathologic stage I lung adenocarcinoma provides risk-based stratification for surveillance. ***IASLC 19th World Conference on Lung Cancer***, Sep 23-26, 2018, Toronto, Canada. (**Mini-oral session**)
19. Vaghjiani RG, Eguchi T, Chintala N, Li X, Aly RG, Emoto K, Tan KS, Jones DR, Adusumilli PS. Immune microenvironment and its association with adjuvant chemotherapy benefit in locoregionally advanced lung adenocarcinoma. ***IASLC 19th World Conference on Lung Cancer***, Sep 23-26, 2018, Toronto, Canada. (**Mini-oral session**)
20. Emoto K, Eguchi T, Vaghjiani RG, Takahashi Y, Rekhtman N, Adusumilli PS, Travis WD. The newly recognized filigree pattern of micropapillary (MIP) lung adenocarcinoma (LADC) is as clinically important as the classical pattern. ***IASLC 19th World Conference on Lung Cancer***, Sep 23-26, 2018, Toronto, Canada. (**Mini-oral session**)
21. Li X, Eguchi T, Aly RG, Chintala N, Tan KS, Messinger J, Zauderer MG, Ghebrehiwet B, Adusumilli PS, Peerschke EIB. gC1qR expression is independently prognostic for survival benefit following chemotherapy in mesothelioma. ***IASLC 19th World Conference on Lung Cancer***, Sep 23-26, 2018, Toronto, Canada. (**Mini-oral session**)
22. Aly RG, Eguchi T, Kadota K, Rekhtman N, Tan KS, Adusumilli PS, Travis WD. Impact of tumor spread through air spaces (STAS) in lung neuroendocrine tumors (NET). ***IASLC 19th World Conference on Lung Cancer***, Sep 23-26, 2018, Toronto, Canada. (**Mini-oral session**)
23. Yagi Y, Tabata K, Rekhtman N, Eguchi T, Fu X, Montecalvo J, Adusumilli PS, Hameed M, Travis WD. Three-dimensional assessment of spread through air spaces in lung adenocarcinoma: insights and implications. ***IASLC 18th World Conference on Lung Cancer***, Oct 15-18, 2017, Yokohama, Japan. (**Oral session**)
24. Aly RG, Kameda K, Eguchi T, Tano Z, Jones DR, Travis WD, Adusumilli PS. Circumferential distribution and distance from main tumor of tumor spread through air spaces (STAS) are prognostic. ***IASLC 18th World Conference on Lung Cancer***, Oct 15-18, 2017, Yokohama, Japan. (**Mini-oral session**)
25. Takahashi Y, Isbell J, Eguchi T, Vaghjiani R, Tan KS, Jones DR, Adusumilli PS. Surgical

outcomes and survival analysis following second pulmonary resection for non-small cell lung cancer. ***IASLC 18th World Conference on Lung Cancer***, Oct 15-18, 2017, Yokohama, Japan. (**Mini-oral session**)

26. Bhanot UK, Eguchi T, Lai C, Santin M, Adusumilli PS, Roehrl MH. Robotic high volume tissue microarray (TMA) construction from lung adenocarcinomas. ***International Society for biological and environmental repositories (ISBER) annual meeting***, May 9-12, 2017, Toronto, Canada. (Poster session)
27. Eguchi T, Bains S, Tan KS, Bains MS, Downey RJ, Huang J, Isbell JM, Park BJ, Rusch VW, Jones DR, Adusumilli PS. Impact of increasing age on cause-specific mortality and morbidity in stage I NSCLC patients: A competing risk analysis. ***IASLC 17th World Conference on Lung Cancer***, Dec 4-7, 2016, Vienna, Austria. (**Oral session**)
28. Eguchi T, Kameda K, Lu S, Bott M, Tan KS, Jones DR, Travis WD, Adusumilli PS. In early-stage lung adenocarcinomas, survival by tumor size (T) is further stratified by tumor spread through air spaces. ***IASLC 17th World Conference on Lung Cancer***, Dec 4-7, 2016, Vienna, Austria. (**Oral session**)
29. Lee MC, Eguchi T, Tano Z, Kadota K, Jones DR, Adusumilli PS. Tumoral IL-7 receptor is a potential target for lung adenocarcinoma immunotherapy. ***IASLC 17th World Conference on Lung Cancer***, Dec 4-7, 2016, Vienna, Austria. (**Oral session**)
30. Lu S, Eguchi T (presenting author), Tano Z, Molena D, Jones DR, Travis WD, Adusumilli PS. Comparative histological subtype analysis of lung adenocarcinoma tumor and metastatic lymph nodes and the prognostic impact. ***IASLC 17th World Conference on Lung Cancer***, Dec 4-7, 2016, Vienna, Austria. (**Mini-oral session**)
31. Tan KS, Eguchi T, Adusumilli PS. Quantifying survival in early-stage NSCLC: implications of relative survival vs cause-specific survival. ***IASLC 17th World Conference on Lung Cancer***, Dec 4-7, 2016, Vienna, Austria. (**Mini-oral session**)
32. Takahashi Y, Eguchi T, Lu S, Downey RJ, Jones DR, Travis WD, Adusumilli PS. Histological subtyping of matched primary and metastases sites in lung adenocarcinoma: Significance of solid predominance. ***IASLC 17th World Conference on Lung Cancer***, Dec 4-7, 2016, Vienna, Austria. (**Mini-oral session**)
33. Lu S, Eguchi T, Isbell JM, Tan KS, Jones DR, Travis WD, Adusumilli PS. Clinicopathological significance of increasing percentage of high-grade histological subtypes in lung adenocarcinomas. ***IASLC 17th World Conference on Lung Cancer***, Dec 4-7, 2016, Vienna, Austria. (**Mini-oral session**)
34. Lu S, Eguchi T, Tan KS, Bains S, Kadota K, Rekhtman N, Adusumilli PS, Travis WD. Tumor spread through air spaces (STAS) in lung squamous cell cancer is an independent risk factor: A competing risk analysis. ***IASLC 17th World Conference on Lung Cancer***, Dec 4-7, 2016, Vienna, Austria. (**Mini-oral session**)
35. Kameda K, Lu S, Eguchi T, Rekhtman N, Huang J, Chang JC, Montecalvo J, Jones DR, Travis WD, Adusumilli PS. Can tumor spread through air spaces (STAS) in lung adenocarcinomas be predicted pre- and intraoperatively? ***IASLC 17th World Conference on Lung Cancer***, Dec 4-7, 2016, Vienna, Austria. (**Mini-oral session**)
36. Eguchi T, Kameda K, Lu S, Tano Z, Huang J, Jones DR, Travis WD, Adusumilli PS.

Implications of 8th edition TNM proposal: Invasive vs. total size for T descriptor in pT1a-2bN0M0 lung adenocarcinoma. ***IASLC 17th World Conference on Lung Cancer***, Dec 4-7, 2016, Vienna, Austria. (Poster session)

37. Hristov B, Eguchi T, Chintala N, Lu S, Bott M, Travis WD, Jones DR, Adusumilli PS. Immunotherapy for KRAS positive lung adenocarcinoma: Mesothelin and CA125 (MUC16) are cancer-antigen targets. ***IASLC 17th World Conference on Lung Cancer***, Dec 4-7, 2016, Vienna, Austria. (Publish only [*J Thoracic Oncol.* 2017; 12: S1457])
38. Bains S, Eguchi T, Warth A, Yeh YC, Nitadori J, Woo KM, Chou TY, Dienemann H, Muley T, Nakajima J, Shinozaki-Ushiku A, Wu YC, Kadota K, Travis WD, Tan KS, Jones DR, Adusumilli PS. A multi-national cohort validation of procedure specific nomograms to predict recurrence for small lung adenocarcinomas. ***IASLC 17th World Conference on Lung Cancer***, Dec 4-7, 2016, Vienna, Austria. (Publish only [*J Thoracic Oncol.* 2017; 12: S1455-S1456])
39. Eguchi T, Ujiie H, Morello A, Kadota K, Buitrago DH, Woo KM, Travis WD, Sadelain M, Adusumilli PS. Mesothelin and MUC16 (CA125) are antigen-targets for CAR T-cell therapy in primary and metastatic lung adenocarcinoma (ADC). ***IASLC 16th World Conference on Lung Cancer***, Sep 6 – 9, 2015, Denver, Colorado. (**Oral session**)
40. Eguchi T, Kadota K, Rizk NP, Woo KM, Sima CS, Park BJ, Jones DR, Travis WD, Adusumilli PS. T1a lung adenocarcinomas: presence of spread of tumor through alveolar spaces (STAS), micropapillary and solid patterns determines outcomes. ***IASLC 16th World Conference on Lung Cancer***, Sep 6 – 9, 2015, Denver, Colorado. (**Mini-oral session**)
41. Eguchi T, Kadota K, Leduc C, Rekhtman N, Moreira A, Jones DR, Adusumilli PS, Travis WD. Hepatocyte nuclear factor 4 alpha (HNF4alpha) is a marker for invasive mucinous adenocarcinoma (IMA) and a prognostic factor for recurrence in stage I lung adenocarcinoma (LADC). ***IASLC 16th World Conference on Lung Cancer***, Sep 6 – 9, 2015, Denver, Colorado. (Poster session)
42. Eguchi T, Buitrago DH, Mayor M, Kadota K, Rizk NP, Park BJ, Jones DR, Adusumilli PS. Long and short-term predictors of outcome in elderly patients (≥75 years) undergoing lobectomy for stage I non-small cell lung cancer. ***IASLC 16th World Conference on Lung Cancer***, Sep 6 – 9, 2015, Denver, Colorado. (Poster session)
43. Eguchi T, Kadota K, Evans B, Sima CS, Davis T, Hamilton SA, Yager K, Kolquist KA, Jones JT, Hartman AR, and Adusumilli PS. Validation of a cell cycle progression score for 5-year mortality risk in patients with stage I non-small cell lung cancer. *Annual Meeting of the* ***American Society of Clinical Oncology (ASCO)***, May 29 – Jun 2, 2015, Chicago, Illinois. (General poster session)
44. Eguchi T, Yoshizawa A, Kawakami S, Umesaki T, Kumeda H, Agatsuma H, Sakaizawa T, Tominaga Y, Toishi M, Hashizume M, Shiina T, Yoshida K, and Koizumi T. Computed tomographic window setting for predicting invasive adenocarcinomas in pulmonary nonsolid tumors. *Annual Meeting of the* ***American Society of Clinical Oncology (ASCO)***, May 30 – Jun 3, 2014, Chicago, Illinois. (General poster session)
45. Eguchi T, Kondo R, Kawakami S, Yoshizawa A, Hara D, Matsuoka S, Takeda T, Miura K, Agatsuma H, Sakaizawa T, Tominaga Y, Toishi T, Hashizume M, Shiina T, Amano J,

Matsushita M, Koizumi T, Takasuna K, and Yoshida K. Tumor growth rate of ground-glass nodules after long-term follow-up: The usefulness of a combination of initial computed tomography attenuation and tumor size as a predictor for tumor growth. ***IASLC 15th World Conference on Lung Cancer***, Oct 27 – 30, 2013, Sydney, Australia. (General poster session)

46. Eguchi T, Kawakami S, Yoshizawa A, Hara D, Matsuoka S, Takeda T, Miura K, Agatsuma H, Sakaizawa T, Tominaga Y, Toishi T, Hashizume M, Shiina T, Amano J, Matsushita M, Koizumi T, Kondo R, Takasuna K, and Yoshida K. Novel computed tomography windows for predicting pathological invasion area in pulmonary subsolid tumors. ***IASLC 15th World Conference on Lung Cancer***, Oct 27 – 30, 2013, Sydney, Australia. (Poster session)
47. Eguchi T, Kondo R, Takeda T, Agatsuma H, Saito G, Toishi M, Hashizume M, Shiina T, Yoshida K, Amano J. Pulmonary pure ground-glass opacity lesions: Use of computed tomography attenuation for predicting tumor progression. *Annual Meeting of the* ***American Society of Clinical Oncology (ASCO)***, May 31 – Jun 4, 2013, Chicago, Illinois. (Poster session)
48. Eguchi T, Takasuna K, Kitazawa A, Fukuzawa Y, Sakaue Y. Three-dimensional imaging navigation using an iPad during a lung segmentectomy. ***European Multidisciplinary Cancer Congress***, Sep 23-27, 2011, Stockholm, Sweden. (General poster session)
49. Eguchi T, et al. Re-expansion after one-lung ventilation induces elevation of cytokine-induced neutrophil chemoattractant 1 in plasma and sequestration of neutrophils into the ventilated lung in rats. ***European Respiratory Society Annual Congress***, Sep 12-16, 2009, Vienna, Austria. (E-communication session)
50. Eguchi T, et al. One-lung ventilation and subsequent re-expansion induces plasma CINC-1 elevation and neutrophil migration in rats. ***American Thoracic Society International Conference***, May 15-20, 2009, San Diego, California. (General poster session)
51. Eguchi T, et al. Sivelestat, a selective neutrophil elastase inhibitor, suppresses acute lung injury after one-lung ventilation in rats. ***Asian Pacific Society of Respirology***, Bangkok, Thailand, Nov 20, 2008. (General poster session)
52. Eguchi T, et al. Sivelestat suppress the neutrophil activation after one-lung ventilation at the thoracic surgery. ***American Thoracic Society International Conference***, Toronto, Canada, May 20, 2008. (General poster session)

Invited Peer Review

1. *The Annals of Thoracic Surgery*: reviewed 54 articles
2. *Lung Cancer*: reviewed 10 articles
3. *PLOS ONE*: reviewed 6 articles
4. *Journal of Thoracic Oncology*: reviewed 5 articles
5. *Journal of Thoracic Disease*: reviewed 4 articles
6. *Journal of Cancer Research and Clinical Oncology*: reviewed 4 articles
7. *BMC Cancer*: reviewed 3 articles

8. *Heliyon*: reviewed 3 articles
9. *European Journal of Surgical Oncology*: reviewed 3 articles
10. *Lancet Oncology*: reviewed 1 article