

CURRICULUM VITAE

PERSONAL DATA

René Horsleben Petersen, MD, Ph.D.
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D.o.b.: January 8th, 1967



EDUCATION

2020 – present: University Hospital of Copenhagen, Rigshospitalet, Professor of Cardiothoracic Surgery
2009 – present: University Hospital of Copenhagen, Rigshospitalet Chief Thoracic Surgeon
2007 – 2009: University Hospital of Gentofte, Chief Thoracic Surgeon
2005 – 2007: University Hospital of Gentofte, Consultant
2005: Board Certified Specialist Cardiothoracic Surgery
2003, 2004, 2005: The European School of Cardiothoracic Surgery in Bergamo, Italy
2001 – 2005: Copenhagen University, Cardiothoracic Residency
1995 – 2001: Copenhagen University, General Surgery Residency
1993 – 1994: Odense University Hospital, internship, medicine, surgery and GP
1993: MD, Odense University Medical School

SURGERY

Personal experience with more than 2000 VATS lobectomies, segmentectomies and thymectomies.
In Copenhagen more than 5000 VATS lobectomies and segmentectomies have been performed, which is the largest series in Europe.

MANAGEMENT EXPERIENCE

2020 – present: Chair Professor for Cardiothoracic Surgery University of Copenhagen.
2009 – 2020: Team director, Department of Cardiothoracic Surgery, Rigshospitalet
2008: Diploma of Health Care Administration (DLS), bachelor level

ACADEMIA

Academic degree

PhD Copenhagen University
"Acquiring Video-Assisted Thoracoscopic Surgery (VATS) Lobectomy
Competency and the derived Clinical Implications" defended January 10th. 2018

Academic position

2020 – present: Full Professor of Cardiothoracic Surgery, Institute of Clinical Medicine, University
Copenhagen
2018 – 2020: Clinical Associate Research Professor of Thoracic Surgery, Institute of Clinical Medicine,
University of Copenhagen

Publications (full publication list attached)

Author on 144 scientific publications. Author or co-author of 11 books/chapters on thoracic surgery
H-index: 33, i10-index: 69, citations: 5224 according to Google Scholar 21.12.2023
H-index: 27 (according to Scopus).

Research activity primarily within the field of VATS Lobectomy, VATS Segmentectomy, VATS Thymectomy, VATS Education and Simulation, Enhanced Recovery and Lung Cancer Screening.

Funding

2.1 mill dollars received within the last 3 years

554.280,19 \$ (3.884.839 DKK) from Danmarks Frie Forskningsfond (2023, co-PI)

309.660 \$ (2,1M DKK) from Medtronic LVRS PhD (2023, PI)

88.474 \$ (600.000 DKK) from Region Hovedstaden for postdoc funding ERAS (2022, PI)

825.762 \$ (5,6M DKK) from Novo Nordisk Fonden (2022, PI)

36.864 \$ (250.000 DKK) from Tømrermester Jørgen Holm og Hustru Elisa. F. Hansen's Mindelegat (2021, PI).

309.660 \$ (2.1 M DKK) X-Vivo Lung transplantation PhD (2021, co-PI)

Academic Supervision

PhD supervisor, completed

1. Tamim Ahmad Haidari, MD. *VATS lobectomy: Impact of Virtual Reality Simulation Training and transfer of surgical skill to the operating room.* (Principal supervisor). Defended Jan. 2023
2. Lin Huang, MD. *Avoiding chest drain after video-assisted thoracoscopic surgery with optimal perioperative care.* Defended Sept. 2022 (principal supervisor).
3. Emilie Claudi Risom, MD. *Preoperative pulmonary function and outcome after cardiac surgery.* Defended Jun. 2022 (co-supervisor)
4. Bo Laksafoss Holbek, MD. *Fast track and VATS lobectomy*, dim 2014. Defended April 2019. (Principal supervisor)
5. Kirsten Gjæraa, MD. *Non-technical skills in VATS Surgery*, dim 2014. Defended March 2018 (co-supervisor).
6. Katrine Jensen, MD. *Video-Assisted Thoracoscopic Surgery (VATS) Lobectomy: Virtual reality simulation training and assessment of competence*, defended March 2017 (co-supervisor).

PhD supervisor, ongoing

1. Patrick Soldath, MD. *New insights into bronchopulmonary carcinoids and large cell neuroendocrine carcinoma.* (Principal supervisor).
2. Alberte Lund, MD. *Lung Volume Reduction Surgery.* (Principal supervisor).
3. Sana Naseer Buttar, MD. *Evaluation of porcine and human lungs reconditioned with normothermic X-vivo lung perfusion technique.* (co-supervisor)
4. Lasse Visby, MD. (Principal supervisor).

Master's Thesis supervisor, completed

1. Marie Emilje Møller, stud.med.
2. Christian Knold, stud.med.
3. Martin Benjamin Frederiksen, stud.med. Jun. 2021
4. Lucas Alexander Knøfler, stud.med. Jun. 2020
5. Rolf Thunberg, stud.med. Sept. 2018
6. Fawad Zahid, stud.med. Sept. 2018
7. Lykke Østergaard Laursen, stud.med. 2014

Bachelor's thesis supervisor, completed

1. Tine Østergaard, stud.med.
2. Marie Emilje Møller, stud.med. Dec. 2019

International positions

2021 – present: Director of Annual Meeting, ESTS (European Society of Thoracic Surgeons)

2017 – present: Board Director ESTS (European Society of Thoracic Surgeons)

2010 – 2014: Regent ESTS (European Society of Thoracic Surgeons)

International research relations

Chair ESTS GGO Guideline group

Member of MITIG-ESTS (ESTS Minimal Invasive Thoracic Interest Group)

Member of Surgical Advisory Board for Lung Cancer Screening IASLC (International Association of Lung Cancer)

Member of International VATS Lobectomy Consensus Group.

Member of AME Thoracic Surgery Collaborative Group

Member of the international guidelines group for ERAS (enhanced recovery after surgery).

Member of ESTS

Member of IASLC

Editorial/reviewer posts

Associate Editor for Journal of Cardiothoracic Surgery

Associate Editor Journal of Thoracic Disease (JTD)

Associate Editor Journal of Visualized Surgery (JOVS)

Reviewer for European Journal of Cardiothoracic Surgery, JTCVs and others

Member of the local organizing committee for ESTS meeting in Copenhagen 2014.

Abstract reviewer, annual ESTS meeting 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018,2019,2020,2021,2022,2023

Assessments

Assessor for numerous PhD defences and Professor assignments nationally and internationally.

TEACHING

Since 2008 I have run 20-30 annual, 2-day clinical immersions with participation from many clinics in Europe. I have proctored many thoracic surgeons in VATS lobectomy around the world. I have given lectures and talks in numerous courses in VATS lobectomies, performed live surgery and presented several papers at ESTS conferences. Invited speaker for numerous VATS meetings in Europe, Asia, Africa, and US.

PUBLICATION LIST

144 publications, 11 book chapters

1. Days alive and out of hospital after video-assisted thoracoscopic surgery wedge resection in the era of enhanced recovery
Huang L, Frandsen MN, Kehlet H, **Petersen RH**
BJS Open. 2023 Nov 1;7(6):zrad144. doi: 10.1093/bjsopen/zrad144.
2. The current status of simulation training and certification for thoracic surgery in Europe: a scoping review
Haidari TA, Konge L, **Petersen RH**.
AME Surg J 2023;3:44. doi: 10.21037/asj-22-33.
3. Comparison of video assisted thoracoscopic surgery and thoracotomy for treatment of pleural infection stage II and III: a literature review
Steen K., Sørensen J, Christensen M, **Petersen RH**, Naidu B., Bendixen M., Rahman N., Laursen C., Christensen T.
J Thorac Dis 2023;15(11):6323-6332. doi: 10.21037/jtd-2.
4. Risk and timing of venous thromboembolism after surgery for lung cancer: a nationwide cohort study
Mørkved AL, Søgaaard M, Skjøth F, Ording AG, Jensen M, Larsen TB, Jakobsen E, Højen AA, Noble S, Meldgaard P, **Petersen RH**, Christensen TD.
Ann Thorac Surg. 2023 Oct 25:S0003-4975(23)01073-1. doi: 10.1016/j.athoracsur.2023.10.015.
5. Impact of lymphadenectomy extent on immunotherapy efficacy in post-resectional recurred non-small cell lung cancer: a multi-institutional retrospective cohort study
Deng H, Zhou J, Chen H, Cai X, Zhong R, Li F, Cheng B, Li C, Jia Q, Zhou C, **Petersen RH**, Rocco G, Brunelli A, Ng CSH, D'Amico TA, Su C, He J, Liang W, Zhu B; AME Thoracic Surgery Collaborative Group.
Int J Surg. 2023 Sep 27. doi: 10.1097/JS9.0000000000000774.
6. Treatment of inoperable large cell neuroendocrine lung cancer with single agent temozolomide
Ørting AM, Clausen MM, Soldath P, **Petersen RH**, Knigge U, Andreassen M, Kjær A, Langer SW.
Acta Oncol. 2023 Sep 15:1-4. doi: 10.1080/0284186X.2023.2258444.
7. ERASURE: Early autologous blood pleurodesis for postoperative air leaks - A randomized, controlled trial comparing prophylactic autologous blood pleurodesis versus standard watch and wait treatment for postoperative air leaks following thoracoscopic (VATS) anatomic lung resections
Karampinis I, Ruckes C, Doerr F, Boeluekbas S, Ricciardi S, Cardillo G, Galvez C, Vidmar B, Stupnik T, Fang V, **Petersen RH**, Roessner E.
Research Square 2023 June DOI: <https://doi.org/10.21203/rs.3.rs-2892643/v1>
8. Reply to Waller et al.
Brunelli A, Decaluwe H, Gonzalez M, Gossot D, **Petersen RH**.
Eur J Cardiothorac Surg. 2023 Aug 26:ezad282. doi: 10.1093/ejcts/ezad282.
9. The SUPER reporting guideline suggested for reporting of surgical technique: explanation and elaboration
Zhang K, Wu J, Su Z, Ma Y, Shi Q, Barchi LC, Laisaar T, Ng CSH, Gilbert S, Zhang X, Štupnik T, Lerut T, Jiao P, Elkhayat H, Novoa NM, Fruscio R, Waseda R, **Petersen RH**, Fiorelli A, Sihoe ADL, Gonzalez-Rivas D, Scarci M, Jimenez MF, Li GS, Tang X, Wang SD, Chen Y.
Gland Surg. 2023 Jun 30;12(6):749-766. doi: 10.21037/gs-23-76.
10. The SUPER reporting guideline suggested for reporting of surgical technique
Zhang K, Ma Y, Wu J, Shi Q, Barchi LC, Scarci M, **Petersen RH**, Ng CSH, Hochwald S, Waseda R,

Davoli F, Fruscio R, Levi Sandri GB, Gonzalez M, Wei B, Piessen G, Shen J, Zhang X, Jiao P, He Y, Novoa NM, Bedetti B, Gilbert S, Sihoe ADL, Toker A, Fiorelli A, Jimenez MF, Lerut T, Oo AY, Li GS, Tang X, Lu Y, Elkhayat H, Štupnik T, Laisaar T, Abu Akar F, Gonzalez-Rivas D, Su Z, Qiu B, Wang SD, Chen Y, Gao S.

Hepatobiliary Surg Nutr. 2023 Aug 1;12(4):534-544. doi: 10.21037/hbsn-22-509.

11. Risk factors for pulmonary embolism in lung cancer patients with lower limb deep venous thrombosis: a case-control study
Dong HY, Tong MS, Wang J, Liu Y, Tao GY, **Petersen RH**, Jara-Palomares L, Wang Y, Sun YB, Chen J. Transl Lung Cancer Res. 2023 Jul 31;12(7):1539-1548. doi: 10.21037/tlcr-23-346.
12. European Guidelines on the Surgical Management of Pure Ground Glass Opacities and Part Solid Nodules: Task Force of the EACTS and ESTS
Cardillo G, **Petersen RH**, Ricciardi S, Patel A, Lodhia JV, Gooseman MR, Brunelli A, Dunning J, Fang W, Gossot D, Licht PB, Lim E, Dominique Roessner E, Scarci M, Milojevic M. Eur J Cardiothorac Surg. 2023 May 27:ezad222. doi: 10.1093/ejcts/ezad222.
13. Nordic 2023 guidelines for the diagnosis and treatment of lung neuroendocrine neoplasms
Dam G, Grønbaek H, Sundlöv A, Botling J, Sundin A, **Petersen RH**, Welin S, Evensen ET, Sorbye H, Tabaksblat E, Arveschoug AK, Mortensen J, Kjaer A, Knigge U, Tiensuu Janson E, Langer SW. Acta Oncol. 2023 May;62(5):431-437
14. European society of thoracic surgeon's expert consensus recommendations on technical standards of segmentectomy for primary lung cancer.
Brunelli A, Decaluwe H, Gonzalez M, Gossot D, **Petersen RH**. Eur J Cardiothorac Surg. 2023 Jun 2:ezad224. doi: 10.1093/ejcts/ezad224.
15. Continuous perioperative heart rate variability monitoring in video-assisted thoracoscopic surgery lobectomy – a pilot study.
Frandsen MN, Huang L, **Petersen RH**, Foss NB, Mehlsen J, Kehlet H. J Clin Monit Comput. 2023 May 27. doi: 10.1007/s10877-023-01016-2.
16. Machine learning-based immune phenotypes correlate with STK11/KEAP1 co-mutations and prognosis in resectable NSCLC: a sub-study of the TNM-I trial.
M. Rakaee, S. Andersen, K. Giannikou, E.-E. Paulsen, T.K. Kilvaer, L.-T.R. Busund, T. Berg, E. Richardsen, A.P. Lombardi, E. Adib, M.I. Pedersen, M. Tafavvoghi, S.G.F. Wahl, **Petersen RH**, A.L. Bondgaard, C.W. Yde, C. Baudet, P. Licht, M. Lund-Iversen, B.H. Grønberg, L. Fjellbirkeland, Å. Helland, M. Pøhl, D.J. Kwiatkowski, T. Donnem. Annals of Oncology (2023), doi: <https://doi.org/10.1016/j.annonc.2023.04.005>
17. The Surgical Management of Lung Neuroendocrine Neoplasms.
Soldath P, **Petersen RH**. Cancers (Basel). 2023 Mar 9;15(6):1695. doi: 10.3390/cancers15061695.
18. Sawubona reprise: reflections on the European Society of Thoracic Surgeons Presidential Address 2022.
Brunelli A, Argyriou A, Batirel H, Colson Y, Darling G, Fernandez F, Gooseman M, Lerut T, Molena D, Novoa N, Opitz I, Papagiannopoulos K, Patterson GA, **Petersen RH**, Rawlinson J, Rocco G, Stiles BM, Tariq J, Varela G. J Thorac Dis. 2023 Jan 31;15(1):204-213.
19. Key points in pulmonary metastasectomy from colorectal carcinoma: European Society of Thoracic Surgeons survey analysis.
Cardillo G, Ricciardi S, **Petersen RH**, Milton RS. Interdiscip Cardiovasc Thorac Surg. 2023 Feb 6;36(2):ivad017
20. Consensus on technical procedures for simulation-based training in thoracic surgery: an international needs assessment.
Haidari TA, Nayahangan LJ, Bjerrum F, Hansen HJ, Konge L, Massard G, Batirel HF, Novoa NM, Milton RS, **Petersen RH**; participants Delphi..

21. Reporting guidelines for surgical technique could be improved: a scoping review and a call for action.
Shi Q, Ma Y, Zhang X, Jiao P, Zhang K, Barchi LC, Bedetti B, Wu J, Wei B, Ng CSH, Toker A, Shen J, Fruscio R, Gilbert S, **Petersen RH**, Hochwald S, Štupnik T, Elkhayat H, Scarci M, Levi Sandri GB, Abu Akar F, Waseda R, Sihoe ADL, Fiorelli A, Gonzalez M, Davoli F, Li GS, Tang X, Qiu B, Wang SD, Chen Y, Gao S.
J Clin Epidemiol. 2022 Nov 28;155:1-12.
22. Do enhanced recovery after lung cancer surgery programs risk putting primacy of caring at stake? A qualitative focus group study on nurses' perspectives.
Missel M, Beck M, Donsel PO, **Petersen RH**, Benner P.
J Clin Nurs. 2022 Oct 24.
23. Lung cancer surgery in Denmark.
Frederiksen JG, Christensen TD, **Petersen RH**.
J Thorac Dis. 2022 Sep;14(9):3638-3647.
24. Hospital stay after video-assisted thoracoscopic surgery.
Kehlet H, Huang L, **Petersen RH**.
BJS Open. 2022 Sep 2;6(5):zrac121
25. The left upper lobe challenge in Video-Assisted Thoracoscopic Surgery - use of a composite score to improve the assessment of simulated lobectomy.
Haidari TA, Bjerrum F, Grimstrup S, Christensen TD, Vad H, Møller LB, Hansen HJ, Konge L, **Petersen RH**.
Eur J Cardiothorac Surg. 2022 Nov 3;62(6):ezac465.
26. Early and late readmissions after enhanced recovery thoracoscopic lobectomy.
Huang L, Frandsen MN, Kehlet H, **Petersen RH**.
Eur J Cardiothorac Surg. 2022 Aug 3;62(3):ezac385.
27. Did conversion to thoracotomy during thoracoscopic lobectomy increase post-operative complications and prejudice survival? Results of best evidence topic analysis.
Fiorelli A, Forte S, Santini M, **Petersen RH**, Fang W.
Thorac Cancer. 2022 Aug;13(15):2085-2099.
28. Right lung torsion diagnosed six months after thoracoscopic right upper lobectomy.
Timane JP, Jessen Hansen H, **Petersen RH**.
Interact Cardiovasc Thorac Surg. 2022 Aug 3;35(3):ivac116.
29. Reasons for staying in hospital after video-assisted thoracoscopic surgery lobectomy.
Huang L, Kehlet H, **Petersen RH**.
BJS Open. 2022 May 2;6(3):zrac050.
30. Assessing VATS competence based on simulated lobectomies of all five lung lobes.
Haidari TA, Bjerrum F, Christensen TD, Vad H, Møller LB, Hansen HJ, Konge L, **Petersen RH**.
Surg Endosc. 2022 Nov;36(11):8067-8075.
31. A Delphi Consensus report from the "Prolonged Air Leak: A Survey" study group on prevention and management of postoperative air leaks after minimally invasive anatomical resections.
Zaraca F, Brunelli A, Pipitone MD, Abdellateef A, Abu Akar F, Augustin F, Batchelor T, Bertani A, Crisci R, D'Amico T, D'Journo XB, Droghetti A, Fang W, Gonfiotti A, Janík M, Jiménez M, Kirschbaum A, Kostic M, Lazzaro R, Lucchi M, Marra A, Murthy S, Ng CSH, Nachira D, Pardolesi A, Perkmann R, **Petersen RH**, Pischik V, Russo MD, Opitz I, Spaggiari L, Ugalde PA, Vannucci F, Veronesi G, Bertolaccini L.
Eur J Cardiothorac Surg. 2022 Aug 3;62(3):ezac211.

32. Intrapleural fibrinolysis and DNase versus video-assisted thoracic surgery (VATS) for the treatment of pleural empyema (FIVERVATS): protocol for a randomised, controlled trial - surgery as first-line treatment.
Christensen TD, Bendixen M, Skaarup SH, Jensen JU, **Petersen RH**, Christensen M, Licht P, Neckelmann K, Bibby BM, Møller LB, Bodtger U, Borg MH, Saghir Z, Langfeldt S, Harders SMW, Bedawi EO, Naidu B, Rahman N, Laursen CB.
BMJ Open. 2022 Mar 9;12(3):e054236.
33. Functional recovery after discharge in enhanced recovery video-assisted thoracoscopic lobectomy: a pilot prospective cohort study.
Huang L, Kehlet H, **Petersen RH**.
Anaesthesia. 2022 May;77(5):555-561.
34. Days alive and out of hospital after enhanced recovery video-assisted thoracoscopic surgery lobectomy.
Huang L, Frandsen MN, Kehlet H, **Petersen RH**.
Eur J Cardiothorac Surg. 2022 Aug 3;62(3):ezac148.
35. Long-term outcomes after video-assisted thoracoscopic surgery in pulmonary large-cell neuroendocrine carcinoma.
Soldath P, Binderup T, Carstensen F, Clausen MM, Kjaer A, Federspiel B, Knigge U, Langer SW, **Petersen RH**.
Surg Oncol. 2022 May;41:101728.
36. Effects of shared mental models in teams performing video-assisted thoracoscopic surgery lobectomy.
Gjæraa K, Dieckmann P, Jensen K, Møller LB, **Petersen RH**, Østergaard D, Ersbøll AK, Konge L.
Surg Endosc. 2022 Aug;36(8):6007-6015.
37. Is complex segmentectomy safe?
Petersen RH.
Eur J Cardiothorac Surg. 2021 Dec 27;61(1):108-109.
38. Developing the surgical technique reporting checklist and standards: a study protocol.
Zhang K, Ma Y, Shi Q, Wu J, Shen J, He Y, Zhang X, Jiao P, Li GS, Tang X, **Petersen RH**, Ng CSH, Fiorelli A, Novoa NM, Bedetti B, Levi Sandri GB, Hochwald S, Lerut T, Sihoe ADL, Barchi LC, Gilbert S, Waseda R, Toker A, Gonzalez-Rivas D, Fruscio R, Scarci M, Davoli F, Piessen G, Qiu B, Wang SD, Chen Y, Gao S.
Gland Surg. 2021 Aug;10(8):2591-2599.
39. Radical Minimally invasive surgery following immuno-chemotherapy in Initially-unresectable stage IIIB Non-small cell lung cancer.
Deng H, Liu J, Cai X, Chen J, Gaetano R, **Petersen RH**, Brunelli A, Ng CSH, D'Amico TA, Liang W, He J.
Ann Surg. 2022 Mar 1;275(3):e600-e602.
40. Effect of posture on pulmonary function and oxygenation after fast-tracking video-assisted thoracoscopic surgery (VATS) lobectomy: a prospective pilot study.
Huang L, Kehlet H, **Petersen RH**.
Perioper Med (Lond). 2021 Sep 2;10(1):26.
41. Evidence on reporting guidelines for surgical technique in clinical disciplines: a scoping review protocol.
Zhang K, Ma Y, Shi Q, Shen J, Wu J, Zhang X, Jiao P, Li GS, Tang X, **Petersen RH**, Ng CSH, Fiorelli A, Novoa NM, Bedetti B, Levi Sandri GB, Hochwald S, Lerut T, Sihoe ADL, Barchi LC, Gilbert S, Waseda R, Toker A, Gonzalez-Rivas D, Fruscio R, Scarci M, Davoli F, Piessen G, Qiu B, Wang SD, Chen Y, Gao S.
Gland Surg. 2021 Jul;10(7):2325-2333.

42. Left basilar VATS segmentectomy for intra lobar pulmonary sequestration using indocyanine green for identification of the intersegmental plane: a case report.
Petersen RH.
Journal of Visualized Surgery. June 2021.
43. Influence of reduced diffusing capacity and FEV 1 on outcome after cardiac surgery.
Risom EC, Buggeskov KB, **Petersen RH**, Mortensen J, Ravn HB.
Acta Anaesthesiol Scand. 2021 Oct;65(9):1221-1228.
44. Derivation and validation of a nomogram model for pulmonary thromboembolism in patients undergoing lung cancer surgery.
Li Y, Shen L, Ding J, Xie D, Yang J, Zhao Y, Carretta A, **Petersen RH**, Gilbert S, Hida Y, Bölükbas S, Fernando HC, Jiang G, Zhu Y.
Transl Lung Cancer Res. 2021 Apr;10(4):1829-1840.
45. Long-Term Survival and Recurrence After Resection of Bronchopulmonary Carcinoids: A Single-Center Cohort Study of 236 patients.
Soldath P, Binderup T, Kjaer A, Federspiel B, Langer SW, Knigge U, **Petersen RH.**
Lung Cancer. 2021 Jun;156:109-116.
46. Structured and evidence-based training of technical skills in respiratory medicine and thoracic surgery.
Pietersen PI, Laursen CB, **Petersen RH**, Konge L.
J Thorac Dis. 2021 Mar;13(3):2058-2067.
47. Efficacy and safety of omitting chest drains after video-assisted thoracoscopic surgery: a systematic review and meta-analysis.
Huang L, Kehlet H, Holbek BL, Jensen TK, **Petersen RH.**
J Thorac Dis 2021 ;13(2):1130-1142
48. What is the optimal level of suction on digital chest drainage devices following pulmonary lobectomy?
Sørensen MF, Holbek BL, **Petersen RH**, Christensen TD.
Interact Cardiovasc Thorac Surg 2021 May 27;32(6):938-941.
49. Is video-assisted thoracoscopic lobectomy associated with higher overall costs compared with open surgery? Results of best evidence topic analysis.
Fiorelli A, Forte S, Caronia FP, Ferrigno F, Santini M, **Petersen RH**, Fang W.
Thorac Cancer. 2021 Mar;12(5):567-579.
50. Simulation-based VATS resection of the five lung lobes: A technical skills test.
Haidari TA, Bjerrum F, Hansen HJ, Konge L, **Petersen RH**
Surg Endosc. 2022 Feb;36(2):1234-1242.
51. Segmental resection is associated with decreased survival in patients with stage IA non-small cell lung cancer with a tumor size of 21–30 mm.
Yu X, Zhang R, Zhang M, Lin Y, Zhang, X, Wen Y, Yang L, Huang Z, Wang G, Zhao D, Gonzalez M, Baste JM, **Petersen RH**, Ng CSH, Brunelli A, Zheng L, Zhang L; written on behalf of the AME Thoracic Surgery Collaborative Group.
Transl Lung Cancer Res 2021 Feb;10(2):900-913.
52. Guidelines for enhanced recovery after lung surgery: need for re-analysis.
Petersen RH, Huang L, Kehlet H.
Eur J Cardiothorac Surg. 2021 Jan 29;59(2):291-292
53. Managing of screening-detected sub-solid nodules - a European perspective.
Ricciardi S, Booton R, **Petersen RH**, Infante M, Scarci M, Veronesi G, Cardillo G.
Transl Lung Cancer Res. 2021 May;10(5):2368-2377.

54. A competing risk nomogram predicting cause-specific mortality in patients with lung adenocarcinoma.
Wu X, Yu W, **Petersen RH**, Sheng H, Wang Y, Lv W, Hu J, Wu X, et al.
BMC Cancer. 2020 May 16;20(1):429.
55. [Management of thymomas and thymic carcinomas]
Petersen PM, Kalhauge A, Brandt B, Santoni-Rugiu E, Daugaard G, Ravn J, **Petersen RH**.
Ugeskr Laeger. 2020 Jan 6;182(2): V08190462.
56. Ten-Year Trends of Clinicopathologic Features and Surgical Treatment of Lung Cancer in China.
Zang R, Shi JF, Lerut TE, Wang L, Liu CC, Brunelli A, **Petersen RH**, Ng CSH, Lim E, Gao S; AME Thoracic Surgery Collaborative Group.
Ann Thorac Surg. 2020 Feb;109(2):389-395.
57. Benefits of omitting chest drain after thoracoscopic major lung resection.
Ladan M, **Petersen RH**.
J Thorac Dis. 2019 Dec;11(12):5613-5615.
58. Society for Translational Medicine consensus on postoperative management of EGFR-mutant lung cancer (2019 edition).
Liang W, Cai K, Chen C, Chen H, Fang W, Fu J, Fu X, Gao S, Hu J, Huang Y, Jiang G, Jiao W, Li S, Li G, Li H, Li H, Li X, Liang N, Liu D, Liu H, Liu J, Liu L, Liu Y, Luo Q, Ma H, Mao W, Peng Z, Qiao G, Shao G, Tan L, Tan Q, Wang Q, Wang C, Wu Q, Xu S, Xu S, Xu L, Yang Y, Yu F, Zhang B, Zhang L, Zhao B, Zhi X, Brunelli A, **Petersen RH**, Liu CC, Ricciuti B, Metro G, Tuzi A, Suter MB, Evison M, Seki N, Sasada S, Izumo T, Cho WC, He J; written on behalf of National Clinical Research Center for Respiratory Disease; Thoracic Surgery Branch of China International Exchange and Promotion Association for Medical and Healthcare; Chinese Alliance Against Lung Cancer; AME Thoracic Surgery Collaborative Group.
Transl Lung Cancer Res. 2019 Dec;8(6):1163-1173
59. Accuracy of a 3-Dimensionally Printed Navigational Template for Localizing Small Pulmonary Nodules: A Noninferiority Randomized Clinical Trial.
Zhang L, Wang L, Kadeer X, Zeyao L, Sun X, Sun W, She Y, Xie D, Li M, Zou L, Rocco G, Yang P, Chen C, Liu CC, **Petersen RH**, Ng CSH, Parrish S, Zhang YS, Giordano R, di Tommaso L; AME Thoracic Surgery Collaborative Group.
JAMA Surg. 2019 Apr 1;154(4):295-303.
60. Guidelines for enhanced recovery after lung surgery: recommendations of the Enhanced Recovery After Surgery (ERAS®) Society and the European Society of Thoracic Surgeons (ESTS).
Batchelor TJP, Rasburn NJ, Abdelnour-Berchtold E, Brunelli A, Cerfolio RJ, Gonzalez M, Ljungqvist O, **Petersen RH**, Popescu WM, Slinger PD, Naidu B.
Eur J Cardiothorac Surg. 2019 Jan 1;55(1):91-115
61. Characteristics of 252 patients with bronchopulmonary neuroendocrine tumours treated at the Copenhagen NET Centre of Excellence.
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BOOK CHAPTERS AND BOOKS

Kirurgiske sygdomme og evidensbaseret sygepleje, 1. udgave, 1. oplag, 2022. Steen Hundborg (red.). FADL's Forlag A/S. København.

1. Kap. 12: Thoraxkirurgiske sygdomme og evidensbaseret sygepleje. Ida Elisabeth Højskov, Christian Holdflod Møller, Malene Missel og René **Horsleben Petersen**.

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2. Chapter 11 (p141-147) "Complex Minimally Invasive Pulmonary Resections.". **Petersen, René Horsleben**

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7. P 152 A video atlas of video-assisted thoracoscopic surgery using a standardized three port anterior approach. Henrik Jessen Hansen, **Rene Horsleben Petersen**
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9. Chapter 55.6. (p 992-38): Videothoracoscopic Lobectomy and Bilobectomy. Henrik Jessen Hansen and **René Horsleben Petersen.**
10. ***Minimally Invasive Thoracic and Cardiac Surgery Textbook and Atlas 2015***
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Chapter 8 (p 95-104): VATS Lobectomy: The Copenhagen Experience. H.J. Hansen, **R.H. Petersen**
11. ***Tubeless Video Assisted Thoracic Surgery AME 2023 (Ass. Editor Petersen RH)***
P 63 Efficacy and safety of omitting chest drains after video-assisted thoracoscopic surgery: a systematic review and meta-analysis. Lin Huang, Henrik Kehlet, Bo Laksáfoss Holbek, Tina Kold Jensen, **René Horsleben Petersen.**

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