

CURRICULUM VITAE

Last updated 14 September 2024

Name & degree: Alexander Emil Kaspersen, MD

Position: Medical Doctor, Affiliated Researcher

Date of birth: February 17, 1994

Work address:

Palle Juul-Jensens Boulevard 69

DK-8200 Aarhus N

Phone: +45 2533 9198

Email: alemka@clin.au.dk

Authorization ID: 0FBWT

ORCID ID: 0000-0002-6088-5248

Pure: www.au.dk/en/alemka@clin

Website: www.sundforsk.dk



EDUCATION

- Aug 2023 **B-authorization** and permission to work independently as a Medical Doctor, Danish Health Authority, Denmark
- Jun 2022 **Doctor of Medicine (MD)/Master of Science in Medicine (MSc), Aarhus University, Aarhus, Denmark**
Master thesis: *Evaluation of single-dose cefuroxime pharmacodynamics and concentrations in the spinal cord, cerebrospinal fluid, and epidural space in relation to spine surgery – an experimental porcine study.* Grade: 12.
- July 2019 **Bachelor of Science in Medicine (BSc), Aarhus University, Aarhus, Denmark**
Bachelor thesis: *A new intelligent stocking for continuous quantification of edema in the lower limbs.* Grade: 12.

EMPLOYMENTS AND WORK EXPERIENCE (PAID WORK)

- Dec 2023 – Feb 2025 **Medical Doctor**, residency (introduktionsstilling), cardiothoracic surgery, Department of Cardiothoracic and Vascular Surgery, Aarhus University Hospital, Aarhus, Denmark. Full-time, including 12 weeks of paternity leave.
- Feb 2024 **Instructor**, 9th semester of MSc in medicine, Dept. of Clinical Medicine, Aarhus University, Aarhus, Denmark. Part time.
- Aug 2023 – Nov 2023 **Medical Doctor**, residency (uklassificeret), cardiothoracic surgery, Department of Cardiothoracic and Vascular Surgery, Aarhus University Hospital, Aarhus, Denmark. Full-time.
- Feb 2023 – July 2023 **Medical Doctor**, internship (KBU), general practice, Lægerne Gasvej 5, Horsens, Denmark. Full-time.
- Feb 2023 – Sep 2023 **Medical Doctor, external substitute**, Department of Emergency Medicine, Horsens Regional Hospital, Horsens, Denmark. Part-time.
- Aug 2022 – Jan 2023 **Medical Doctor**, internship (KBU), Department of Emergency Medicine, Horsens Regional Hospital, Horsens, Denmark. Primarily as *forvagt* but also shifts as *mellemvagt*. Full-time.
- July 2022 **Research Assistant**, Dept. of Cardiothoracic and Vascular Surgery, Aarhus University Hospital, Aarhus, Denmark. Full-time.
- Mar 2021 – July 2022 **Course Assistant**, Danish Health Authority and Dept. of Clinical Medicine, Aarhus University, Aarhus, Denmark. Anaesthesia and surgical preparation in postgraduate courses in surgery. Part-time.
- Jun 2020 – Aug 2020 **Research Assistant**, Dept. of Cardiothoracic Surgery, Sahlgrenska University Hospital, Gothenburg, Sweden. Full-time.
- Apr 2020 – July 2022 **Intensive Care/Medical Ventilation Assistant (VT)**, Central Region Denmark. 32 hours at Intensive Department taking care of COVID-19 patients in ventilator. Part-time.
- Sep 2018 **Instructor**, The Student Counsellors' Office, Faculty of Health, Aarhus University, Aarhus, Denmark. Teaching study techniques for 1st semester students. Part-time.
- May 2018 – Jan 2019 **Research Assistant**, Dept. of Cardiothoracic and Vascular Surgery, Aarhus University Hospital, Aarhus, Denmark. Part-time.
- July 2017 – Currently **Website Administrator** (own company and employment). Design, SEO, content production, and participating in board meetings for Scandinavian Association of Thoracic Surgery (satsnordic.com), Danish Society of Cardiothoracic Surgery (thoraxkirurgi.dk), Danish Research Center for Cancer Surgery (acrobatic.dk), Department of Cardiothoracic and Vascular Surgery, Aarhus University Hospital, Aarhus, Denmark (ctvs.au.dk), Advokaterne Sankt Knuds Torv P/S (aalborgadvokaten.dk), and Psychologist Kirstine Nielsen (kirstinenielsen.dk). Part-time.
- May 2014 – July 2022 **Assistant in Surgery and Nursing Assistant (SPV)**, Central Region Denmark and North Denmark Region. More than 500 hours as primary assistant in orthopaedic surgery, primarily spine surgery but also shoulder, hip, ankle, leg and feet surgery. In addition, more than 100 hours of nursing experience at somatic and psychiatric patients. Part-time.

VOLUNTEER WORK, BOARD MEMBERSHIPS, COMMITTEE WORK, AND POSITIONS IN WORKGROUPS

- 2020 – **Board Member and Website Manager (2019-now), Scandinavian Association of Thoracic Surgery (SATS).**
- 2020 – **Initiator and Project Manager of Medical Research Hub.** Production of an online portal for scientific research in the field of health science in collaboration with Department of Clinical Medicine, Aarhus University, Denmark. www.medicalresearchhub.au.dk/about/steering-committee
- 2020 Selected to represent Dept. of Cardiothoracic and Vascular Surgery as young researcher during development of the new research strategy at Aarhus University Hospital.
- 2018 – **Vice President (2022-now), Website Administrator (2019-now), Secretary General (2019-2022), and member of the Organizing Committee (2018-now), Scandinavian Society for Research in Cardiothoracic Surgery (SSRCTS)/Annual Geilo Meeting on Cardiovascular and Thoracic Research.** Organization of the 29th, 30th, 31st, and 32nd, 33rd Annual Meeting.
- 2017 – 2022 **Board Member (2017-2019, 2020-2022) and Secretary of the Board (2019-2020), Society of Medical Student Research (SMS).** Organization of the 10th, 11th, 12th, and 13th Danish Congress of Medical Student Research, Dyreksperimentelt forskningskursus (introduction to laboratory animal science) 2017, 2018, and 2019, and Health Match Making Day 2019. Design and production of the website www.studenterforskning.dk. Participation and preparation of minutes for meetings with the head of the departments and the dean's office.
- 2012 – 2013 **President (2012-2013) and Vice President (2011-2013), Student Association of Aalborg Katedralskole**
- 2011 – 2013 **Board Member of the Board of Aalborg Katedralskole**

RESEARCH EXPERIENCE

- 2016 – **Affiliated Researcher, Dept. of Cardiothoracic and Vascular Surgery, Aarhus University Hospital, Aarhus, Denmark.** Involved in clinical, experimental, and epidemiologic research in the field of cardiac surgery.
- 2022 **Research Assistant,** Dept. of Cardiothoracic and Vascular Surgery, Aarhus University Hospital, Aarhus, Denmark.
- 2021 – 2022 **Preparations for PhD study** on current practices and long-term outcome of myocardial revascularization. Supervisor: Assoc. Prof., Senior Consultant Ivy Susanne Modrau, MD.
- 2020 **Research Assistant,** Dept. of Cardiothoracic Surgery, Sahlgrenska University Hospital, Gothenburg, Sweden. Project Manager: Deep Sternal Wound Infection Following Cardiac Surgery. Supervisor: Prof., Senior Consultant Anders Jeppsson, MD PhD.
- 2019 **Research stay abroad,** Dept. of Cardiothoracic Surgery, Landspítali University Hospital, Reykjavik, Iceland. Project Manager: Deep Sternal Wound Infection Following Cardiac Surgery. Supervisor: Prof., Senior Consultant Tomas Gudbjartsson, MD PhD.
- 2019 **Participated as contributor** in PhD project: In vivo evaluation of pulmonary cusp repair in a porcine model. PhD Student: Lisa Carlson Hanse, MD.
- 2018 – 2019 **Research Assistant,** Dept. of Cardiothoracic and Vascular Surgery, Aarhus University Hospital, Aarhus, Denmark. Project Manager of Evaluation of a New Intelligent Stocking for Quantification of Edema in the Lower Legs (see below).
- 2016 – 2018 **Project Manager** of Evaluation of a New Intelligent Stocking for Quantification of Edema in the Lower Legs. Responsible for preparations (study protocol, funding, approval from the local Regional Ethical Committee (VEK), Danish Medicines Agency and Danish Data Protection Agency) and execution (data collection and statistics). Supervisor: Prof. J. Michael Hasenkam, MD DMSc.
- 2020 – 2022 **Research collaboration** with Dept. of Orthopaedic Surgery, Aarhus University Hospital, Aarhus, Denmark. Project Manager at experimental project about evaluation of cefuroxime concentrations in the lumbar spine and tissue of the central nervous system in a porcine model with microdialysis. Responsible for practical preparations, incl. study protocol, as well as execution of the research (data collection and statistics). Supervisor: Assoc. Prof. Kristian Høy, MD PhD.
- 2015 **Participated as contributor** in PhD project: Evaluation of robot-assisted laparoscopic vs open cystectomy in a porcine model. PhD Student: Pernille Skjold Kingo, MD.

PUBLICATIONS

Original articles

- 1) Kraghede RE, Christiansen KJ, **Kaspersen AE**, Pedersen M, Petersen JJ, Hasenkam JM, Devantier L. Novel method for sealing tracheostomies immediately after decannulation - an acute clinical feasibility study. *Biomedicines*. 2024 Apr 12;12(4):852. DOI: [10.3390/biomedicines12040852](https://doi.org/10.3390/biomedicines12040852).
- 2) Meskin M, Starkey PA, **Kaspersen AE**, Ringgaard S, Sand SG, Nygaard JV, Jensen JA, Traberg MS, Johansen P. Investigating the Importance of Left Atrial Compliance on Fluid Dynamics in a Novel Mock Circulatory Loop. *Scientific Reports*. 2024 Jan 22;14(1):1864. DOI: [10.1038/s41598-024-52327-6](https://doi.org/10.1038/s41598-024-52327-6).
- 3) Noor MA, Benhassen LL, **Kaspersen AE**, Weiss MG, Hasenkam JM, Johansen P. Novel expansible aortic annuloplasty ring performs equally to the Dacron ring – an in vitro evaluation. *Journal of Cardiovascular Translational Research*. 2023 Oct;16(5):1144-1152. DOI: [10.1007/s12265-023-10393-7](https://doi.org/10.1007/s12265-023-10393-7).
- 4) **Kaspersen AE**, Hanberg P, Hvistendahl MA, Bue M, Schmedes AV, Høy K, Stilling M. Evaluation of cefuroxime concentration in the intrathecal and extrathecal compartments of the lumbar spine – an experimental study in pigs. *British Journal of Pharmacology*. 2023 Jul;180(14):1832-1842. DOI: [10.1111/bph.16045](https://doi.org/10.1111/bph.16045).
- 5) Hvistendahl MA, Hanberg P, Stilling M, **Kaspersen AE**, Høy K, Bue M. Subtherapeutic perioperative levels of cefuroxime inside a cannulated pedicle screw used in spine surgery – results from a porcine microdialysis study. *Acta Orthopaedica*. 2022 Nov 28;93:874-879. DOI: [10.2340/17453674.2022.5276](https://doi.org/10.2340/17453674.2022.5276).
- 6) Hvistendahl MA, Bue M, Hanberg P, **Kaspersen AE**, Schmedes AV, Stilling M, Høy K. Cefuroxime concentrations in the anterior and posterior column of the lumbar spine – an experimental porcine study. *The Spine Journal*. 2022 Jun 6;22(9):1434-1441. DOI: [10.1016/j.spinee.2022.05.010](https://doi.org/10.1016/j.spinee.2022.05.010).
- 7) **Kaspersen AE**, Nielsen SJ, Orrason AW, Petursdottir A, Sigurdsson MI, Jeppsson A, Gudbjartsson T. Short- and long-term mortality after deep sternal wound infection following cardiac surgery: experiences from SWEDEHEART. *European Journal of Cardio-Thoracic Surgery*. 2021 Jul 30;60(2):233-241. DOI: [10.1093/ejcts/ezab080](https://doi.org/10.1093/ejcts/ezab080).

Systematic reviews & metaanalyses

- 8) **Kaspersen AE**, Hasenkam JM, Leipziger JG, Djurhuus JC. [Introduction on how to write a scientific abstract]. *Ugeskrift for Læger*. 2019 May 20;181(21):V02190103. DOI: [ugeskriftet.dk/videnskab/introduktion-til-skrive-et-videnskabeligt-abstract](https://doi.org/10.1093/ekab/ekz010).

Conference abstracts

- 9) **Kaspersen AE**, Hanberg P, Hvistendahl MA, Bue M, Schmedes AV, Høy K, Stilling M. Evaluation of single-dose cefuroxime concentrations in the spinal cord, cerebrospinal fluid, and epidural space in relation to lumbar spine surgery: An experimental porcine study. *Brain and Spine*. 2022 Oct;2:S1. DOI: [10.1016/j.bas.2022.101083](https://doi.org/10.1016/j.bas.2022.101083).
- 10) Hvistendahl MA, Bue M, Hanberg P, **Kaspersen AE**, Schmedes A, Stilling M, Høy K. 10. Incomplete cefuroxime penetration to the anterior and posterior column of the lumbar spine: an experimental porcine study. *The Spine Journal*. 2022 Sep 1;22(9):S5. DOI: [10.1016/j.spinee.2022.06.024](https://doi.org/10.1016/j.spinee.2022.06.024).

AWARDS AND PRIZES

- | | |
|------|--|
| 2022 | Young Scientist Award, 70th Annual Meeting in Scandinavian Association of Thoracic Surgery / 13th Joint Scandinavian Conference in Cardiothoracic Surgery. Value: 1,000 Euro.
<i>Preoperative anemia is associated with increased long-term mortality risk in patients undergoing coronary artery bypass grafting.</i> |
| 2021 | Best Oral Presentation Award, Annual Meeting in Danish Society of Spinal Surgery 2021. Value: 5,000 DKK.
<i>Evaluation of single-dose cefuroxime concentrations in the spinal cord, cerebrospinal fluid, and epidural space in relation to lumbar spine surgery – an experimental porcine study.</i> |
| 2019 | Best Poster Presentation Award, 68th Annual Meeting in Scandinavian Association of Thoracic Surgery / 11th Joint Scandinavian Conference in Cardiothoracic Surgery. Value: 15,000 SEK.
<i>Long-term outcome of patients with DSWI following cardiac surgery – preliminary results from the SWEDEHEART registry.</i> |
| 2012 | Humørlegat, Nøglebroder-Ordenen Christian den Fjerdes Laug, Aalborg, Denmark. Value: 1,000 DKK.
<i>Awarded to a student at Aalborg Cathedral School who exhibits extraordinary engagement in the social life and strives to unite and include.</i> |

GRANTS AND FUNDING

2023	39,000 DKK	Grosserer L. F. Foghts Fond, Denmark
2023	5,000 DKK	Helga og Peter Kornings Fond, Denmark
2022	15,000 DKK	Else og Mogens Wedell-Wedellsborgs Fond, Denmark
2022	100,000 DKK	Arvid Nilssons Fond, Denmark
2022	11,260 DKK	Torben og Alice Frimodts Fond, Denmark
2022	10,000 DKK	Carl og Ellen Hertz's legat, Denmark
2022	124,415 DKK	Jens Anker Andersen Fonden, Denmark
2022	10,000 DKK	Familien Hede Nielsens Fond, Denmark
2022	7,000 DKK	Helga og Peter Kornings Fond, Denmark
2022	100,000 DKK	A. P. Møller Fonden – Fonden til Lægevidenskabens Fremme, Denmark
2021	200,000 DKK	Inge og Asker Larsens Fond, Denmark
2021	50,000 DKK	Ketty og Ejvind Lyngsbæks Fond, Denmark
2020	4,000 DKK	Helga og Peter Kornings Fond, Denmark

PEER-REVIEWS

A total of 4 peer-reviews, 3 in Interdisciplinary CardioVascular and Thoracic Surgery and 1 in Journal of Clinical Neuroscience.

- 1) Jan 2024. Interdisciplinary CardioVascular and Thoracic Surgery. Closed incision negative pressure therapy use as a strategy to reduce sternal wound infection in identified high risk patients: A multicentre propensity matched study. DOI: [10.1093/icvts/ivae056](https://doi.org/10.1093/icvts/ivae056).
- 2) Nov 2023. Interdisciplinary CardioVascular and Thoracic Surgery. Risk factors for infection at the vein harvest site after coronary artery bypass grafting surgery: a retrospective cohort study. Rejected.
- 3) Oct 2023. Interdisciplinary CardioVascular and Thoracic Surgery. Effect of cardiopulmonary bypass on coagulation factors II, VII, and X in a primate model. DOI: [10.1093/icvts/ivad194](https://doi.org/10.1093/icvts/ivad194).
- 4) Jul 2023. Journal of Clinical Neuroscience. Plasma concentration of prophylactic cefazolin best correlates with lean body mass measured by bioimpedance analysis in lumbar spine surgery. DOI: [10.1016/j.jocn.2023.08.013](https://doi.org/10.1016/j.jocn.2023.08.013).

INVITED TALKS

- | | |
|------|--|
| 2023 | The Annual Meeting in Scandinavian Society for Research in Cardiothoracic Surgery (SSRCTS) becomes the Annual Geilo Meeting on Cardiovascular and Thoracic Research.
Annual Meeting in Scandinavian Association of Thoracic Surgery (SATS) / 13th Joint Scandinavian Conference in Cardiothoracic Surgery, Odense, Denmark. 21 September 2023. |
| 2021 | The Scandinavian Society for Research in Cardiothoracic Surgery (SSRCTS) and international research collaboration as an aspiring scientist.
Annual Scientific Meeting in the Swedish Association for Cardiothoracic Surgery (Steningevikmötet) 2021, Stockholm, Sweden. 9 December 2021. |

ORAL AND POSTER PRESENTATIONS AT NATIONAL AND INTERNATIONAL CONFERENCES

- | | |
|------|--|
| 2023 | Oral presentation: Icelandic Joint Surgical Scientific Congress (Sameiginlegt Vísindafing) 2023, Reykjavik, Iceland. Selected for the award session among the 6 best abstract. <i>Preoperative anemia is associated with increased long-term mortality risk in patient undergoing coronary artery bypass grafting.</i> Kaspersen AE, Nielsen SJ, Modrau IS, Heimisdottir A, Jeppsson A, Gudbjartsson T. |
| 2023 | Poster presentation: 31st Annual Meeting in Scandinavian Society for Research in Cardiothoracic Surgery (SSRCTS), Geilo, Norway. <i>Current practices and long-term outcome of myocardial revascularization.</i> Kaspersen AE, Nielsen SJ, Nielsen PH, Mæng M, Jeppsson A, Modrau IS. |
| 2022 | Poster presentation: EUROSPINE 2022, Milan, Italy. <i>Evaluation of single-dose cefuroxime concentrations in the spinal cord, cerebrospinal fluid, and epidural space in relation to spine surgery – an experimental porcine study.</i> Kaspersen AE, Hanberg PE, Hvistendahl MA, Bue M, Høy K, Stilling M. |
| 2022 | Oral presentation: Annual Meeting in Danish Society of Cardiothoracic Surgery, Copenhagen, Denmark. <i>Pre-operative anemia is associated with increased long-term mortality risk in patient undergoing coronary artery bypass grafting.</i> Kaspersen AE, Nielsen SJ, Modrau IS, Heimisdottir A, Gudbjartsson T, Jeppsson A. |

- 2022 **Oral presentation: 70th Annual Meeting in Scandinavian Association of Thoracic Surgery (SATS) / 13th Joint Scandinavian Conference in Cardiothoracic Surgery, Helsinki, Finland.** Selected as the best presentation in the Young Scientists Award Competition. *Preoperative anemia is associated with increased long-term mortality risk in patient undergoing coronary artery bypass grafting.* **Kaspersen AE**, Nielsen SJ, Modrau IS, Heimisdóttir A, Gudbjartsson T, Jeppsson A.
- 2021 **Oral presentation: Annual Meeting in Danish Society of Orthopedic Surgery/Dansk Ortopædisk Selskab (DOS) 2021, Frederiksbjerg, Denmark.** *Evaluation of single-dose cefuroxime concentrations in the spinal cord, cerebrospinal fluid, and epidural space in relation to spine surgery – an experimental porcine study.* **Kaspersen AE**, Hanberg PE, Hvistendahl MA, Bue M, Høy K, Stilling M.
- 2021 **Oral presentation: Annual Meeting in Danish Society of Spinal Surgery (DRKS) 2021, Kolding, Denmark.** Selected as the best paper. *Evaluation of single-dose cefuroxime concentrations in the spinal cord, cerebrospinal fluid, and epidural space in relation to spine surgery – an experimental porcine study.* **Kaspersen AE**, Hanberg PE, Hvistendahl MA, Bue M, Høy K, Stilling M.
- 2021 **Poster presentation: Neuroscience Day 2021, online.** *Evaluation of single-dose cefuroxime concentrations in the spinal cord, cerebrospinal fluid, and epidural space in relation to spine surgery – an experimental porcine study.* **Kaspersen AE**, Hanberg PE, Hvistendahl MA, Bue M, Høy K, Stilling M.
- 2020 **Oral presentation: 34th Annual Meeting in European Association for Cardio-Thoracic Surgery (EACTS), online.** *Long-term outcome of patients with deep sternal wound infection following cardiac surgery – experiences of 114,869 patients in the SWEDEHEART registry.* **Kaspersen AE**, Nielsen SJ, Pétursdóttir Á, Sigurðsson MI, Jeppsson A, Gudbjartsson T.
- 2020 **Oral presentation: 30th Annual Meeting in Scandinavian Society for Research in Cardiothoracic Surgery (SSRCTS), Geilo, Norway.** Selected for the Gudbjartsson Award Session. *Long-term outcome of patients with DSWI following cardiac surgery – results from the SWEDEHEART registry.* **Kaspersen AE**, Nielsen SJ, Pétursdóttir Á, Sigurðsson MI, Jeppsson A, Gudbjartsson T.
www.ssrctsnordic.com/wp-content/uploads/2020/02/Abstractbog_SSRCTS_2020.pdf (page 28, G session 4).
- 2019 **Oral presentation: 3rd Annual Meeting, Dept. of Clinical Medicine, Aarhus University, Aarhus, Denmark.** Selected to present a flash talk. Abstract considered as one of the 20 best out of more than 130 submitted. *Long-term outcome of patients with DSWI following cardiac surgery – preliminary results from the SWEDEHEART registry.* **Kaspersen AE**, Nielsen SJ, Petursdóttir A, Sigurðsson MI, Jeppsson A, Gudbjartsson T.
www.medialib.cmcdn.dk/medialibrary/94000E12-7EC6-4C20-82BC-592D64344653/85CC5A3D-B207-EA11-8436-00155D0B0940.pdf (page 10).
- 2019 **Poster presentation: 68th Annual Meeting in Scandinavian Association of Thoracic Surgery (SATS) / 11th Joint Scandinavian Conference in Cardiothoracic Surgery, Stockholm, Sweden.** Selected as the best poster presentation. *Long-term outcome of patients with DSWI following cardiac surgery – preliminary results from the SWEDEHEART registry.* **Kaspersen AE**, Nielsen SJ, Petursdóttir A, Sigurðsson MI, Jeppsson A, Gudbjartsson T.
www.mkon.nu/RC_Data_FMS/Empire_data/files/file/SATS.SACTS-Scientific-Session-4-Poster_1.pdf (last page, no. 3064-A-1923).
- 2019 **Oral presentation: Icelandic Joint Surgical Scientific Congress (Sameiginlegt Vísindaping) 2019, Reykjavik, Iceland.** *A new intelligent stocking for quantification of edema in the lower limbs.* **Kaspersen AE**, Petersen OB, Hasenkam MJ.
- 2019 **Oral presentation: 29th Annual Meeting in Scandinavian Society for Research in Cardiothoracic Surgery (SSRCTS), Geilo, Norway.** *A new intelligent stocking for quantification of edema in the lower limbs* **Kaspersen AE**, Petersen OB, Hasenkam MJ.
www.ssrctsnordic.com/wp-content/uploads/2019/02/SSRCTS_2019_abstract_book.pdf (p. 13, oral session 4).
- 2018 **Poster presentation: 28th Annual Meeting in Scandinavian Society for Research in Cardiothoracic Surgery (SSRCTS), Geilo, Norway.** *A new intelligent stocking for quantification of edema in the lower limbs* **Kaspersen AE**, Petersen OB, Hasenkam MJ.
www.ssrctsnordic.com/wp-content/uploads/2018/11/28th-Annual-Meeting-Programme.pdf (page 8, poster session 1).
- 2017 **Poster presentation: 9th Danish Congress of Medical Student Research, Nyborg, Denmark.** *A new intelligent stocking for quantification of edema in the lower limbs.* **Kaspersen AE**, Petersen OB, Hasenkam MJ.
www.studenterforsknig.dk/wp-content/uploads/2017/03/abstractbog_2017.pdf (page 45, poster session 3)

PARTICIPATION IN CONFERENCES WITHOUT PRESENTATION

- 2023 71st Annual Meeting in Scandinavian Association of Thoracic Surgery (SATS) / 14th Joint Scandinavian Conference in Cardiothoracic Surgery, Odense, Denmark. As organizer (represented the Geilo meeting as Vice President).

- 2020 12th Danish Congress of Medical Student Research, Sandbjerg, Sønderborg, Denmark. As organizer. www.studenterforskning.dk/wp-content/uploads/2020/02/AbstractbogKMS2020.pdf.
- 2019 11th Danish Congress of Medical Student Research, Sandbjerg, Sønderborg, Denmark. As organizer. www.studenterforskning.dk/wp-content/uploads/2019/03/abstractbog_KMS19.pdf.
- 2018 10th Danish Congress of Medical Student Research, Sandbjerg, Sønderborg, Denmark. As organizer. www.studenterforskning.dk/wp-content/uploads/2018/03/abstractbog_KMS18_hp.pdf.

SUPERVISION

- 2024 – **Co-supervisor, Research Year.** Jacob Petersen, BSc. Ongoing.
- 2024 – **Co-supervisor, Research Project.** Andreas Damsted, BSc. Ongoing.
- 2022 – 2023 **Co-supervisor, Master Thesis.** Medical Student Caroline Finderup, BSc. Finished, grade 10.
- 2022 – 2023 **Co-supervisor, Master Thesis.** Medical Student Rebecca Birkholm Hansen, BSc. Finished, grade 7.
- 2022 – 2023 **Co-supervisor, Research Project.** Medical Student Lukas Andreas Gløe Schousboe, BSc. Finished, passed.

TEACHING AND EDUCATIONAL ACTIVITIES

- Sep 2024 **Teaching** of medical students in basic surgical training at Dept. of Clinical Medicine, Aarhus University.
- Feb 2024 **Teaching** of medical students in basic surgical training on pigs at Dept. of Clinical Medicine, Aarhus University.
- 2023 – 2024 **Teaching** of medical students at Dept. of Cardiothoracic and Vascular Surgery, Aarhus University Hospital.
- 2022 **Teaching** of nursing students in clinical cases at Dept. of Emergency Medicine, Horsens Regional Hospital.
- 2022 **Mentor** for four medical students at Dept. of Emergency Medicine, Horsens Regional Hospital.
- 2018 **Teaching** medical students in studying techniques at Department of Clinical Medicine, Aarhus University.

COURSES

- 2024 **Clinical supervisor course** as part of the first year of residency (introduktionsstilling), Videreuddannelsesregion Nord, 20 hours.
- 2023 **Practical simulation course in pleural drainage**, MidtSim, Central Region Denmark. 2,5 hours.
- 2023 **Practical ultrasound for use in cardiothoracic surgery**, MidtSim, Central Region Denmark. 3 hours.
- 2023 **Practical simulation course in bronchoscopy**, MidtSim, Central Region Denmark. 2 hours.
- 2022 **Practical ultrasound for use in emergency medicine**, Department of Emergency Medicine, Horsens Regional Hospital. 7 hours.
- 2021 **Course in enhancing practical skills in handling COVID-19 patients in the Intensive Care Unit**, Central Region Denmark. 4 hours.
- 2020 **Undergraduate education as Intensive Care/Medical Ventilation Assistant (VT)**, Central Region Denmark. 28 hours, incl. 8 hours of clinical introduction at Intensive Department at Regional Hospital West Jutland, Herning, Denmark.
- 2020 **Undergraduate surgical training/DreamTeam – Part 2.** Assisted in more than 50 abdominal surgical procedures at Randers Regional Hospital, Denmark.
- 2020 **Undergraduate surgical training/DreamTeam – Part 1.** Selected as one of the seven best students to participate in undergraduate surgical training part 2.
- 2019 **Magnetic Resonance Imaging (MRI) safety course**, Department of Radiology, Aarhus University Hospital, Denmark. 2 hours.
- 2016 **Vascular surgery anastomosis course**, Surgical Association of Danish Medical Students (SAKS), Aarhus, Denmark.
- 2015 **Laboratory Animal Science – FELASA category A course**, Aarhus University, Denmark.
- 2014 **Surgical and Procedural Skills Training Course – an introduction to the role as primary assistant in surgery**, Danish Association of Medical Students and Department of Clinical Medicine, Aarhus University, Denmark.
- 2014 **Course in basic suturing techniques**, Surgical Association of Danish Medical Students (SAKS), Aarhus, Denmark.

2014 **Undergraduate education as Nursing Assistant (SPV)**, Central Region Denmark and Danish Association of Medical Students. 74 hours, incl. 16 hours of clinical introduction at Aalborg University Hospital, Denmark.

CLINICAL EXPERIENCE

2023 **Medical Doctor, Department of Cardiothoracic and Vascular Surgery, Aarhus University Hospital, Aarhus, Denmark.** Working as a Medical Doctor within cardiothoracic surgery. See sheet with operation codes.

2023 **Medical Doctor, general practice, Lægerne Gasvej 5, Horsens, Denmark.** Working as a General Practitioner during my first-year clinical training (klinisk basisuddannelse) treating a wide range of medical problems.

2022 **Medical Doctor, Department of Emergency Medicine, Horsens Regional Hospital, Horsens, Denmark.** Working as Medical Doctor within emergency medicine during my first-year clinical training (klinisk basisuddannelse) treating acute medical and orthopaedic problems, participating in trauma calls and medical emergency calls.

2020 **Assistant in surgery, Department of Urology, Aarhus University Hospital, Aarhus, Denmark.** Participation in more than 35 surgical procedures as primary assistant. One transurethral resection of the bladder as primary operator.

2020 **Assistant in surgery, Department of Cardiothoracic Surgery, Sahlgrenska University Hospital, Gothenburg, Sweden.** Participation in bypass (CABG) procedures as a part of my employment as Research Assistant.

2020 **Intensive Care/Medical Ventilation Assistant (VT), Intensive Department at Regional Hospital West Jutland, Herning, Denmark.** 32 hours of work experience (employments).

2020 **Assistant in surgery, Department of Abdominal Surgery, Randers Regional Hospital, Randers, Denmark.** Primary assistant in more than 40 abdominal surgical procedures as part of the undergraduate surgical training course (DreamTeam) part 2.

2019 **Assistant in surgery, Department of Cardiothoracic Surgery, Landspítali University Hospital, Reykjavik, Iceland.** Participation in bypass (CABG) procedures as a part of my research stay at Landspítali.

2015 **Assistant in surgery, Department of Cardiothoracic Surgery, Aalborg University Hospital, Aarhus, Denmark.** Participation in bypass (CABG) procedures and removal of lung tumours.

2014 – 2022 **Nursing assistant, different departments in different hospitals.** More than 100 hours of work experience (employments).

2014 – 2022 **Assistant in surgery, Department of Orthopaedic Surgery, Aarhus University Hospital, Aarhus, Denmark.** More than 500 hours as primary assistant in orthopaedic surgery (employments).

2010 – 2013 **Assistant in surgery, Department of Orthopaedic Surgery, Aalborg University Hospital, Aalborg, Denmark.** Assistant/observant in 15 surgical procedures on the spine, shoulders, hips and knees.

IT COMPETENCES

Advanced level **SAS statistical analysis software.** Programming of complex procedures such as mixed models, cox regression and hazard analyses.

Advanced level **Microsoft Office (Word, Excel, PowerPoint).** Production of papers, reports, presentations, etc.

Advanced level **CSS, HTML, PHP programming.** Experience in CMS systems like WordPress and TYPO3. Programming of websites including backend management systems for multiple users.

Experienced level **Stata statistical analysis software.** Programming simple procedures and more complex procedures such as complex models.

Experienced level **R statistical analysis software.** Programming of simple procedures.

Experienced level **LaTeX.** Programming of dissertations and theses.

Experienced level **REDCap.**

MEMBERSHIPS

2022 – **Scandinavian Association of Thoracic Surgery (SATS),** international.

2022 – **Danish Medical Association (Lægeforeningen),** Denmark.

2022 – **Danish Society of Young Cardiothoracic Surgeons (FYDT),** Denmark.

2022 – **Danish Society of Cardiothoracic Surgery (DTS),** Denmark.

2021 – **European Association for Cardio-Thoracic Surgery (EACTS),** international.

- 2018 – **Scandinavian Society for Research in Cardiothoracic Surgery (SSRCTS)**, international.
- 2017 – 2022 **Society of Medical Student Research (SMS)**, Denmark.
- 2014 – 2022 **Surgical Association of Danish Medical Students (SAKS)**, Denmark.
- 2014 – 2022 **Danish Association of Medical Students (FADL)**, Denmark.