

Curriculum Vitae



Elisabeth Krogsgaard Petersen
MD

PERSONAL INFORMATION

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Date of birth: 17th February 1995
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EMPLOYMENT

2024-2027 PhD student, Aarhus University, Orthopedic Research Unit, Aarhus University Hospital, main supervisor Maiken Stilling
2024 KBU, general practise (6 months)
2023-2024 KBU, Department of Internal Medicine, Regional Hospital Gødstrup (6 months)
2023 Clinical assistant by/Professor Maiken Stilling, Department of Orthopaedics, Aarhus University Hospital

EDUCATION

2019-2023 Cand.med., Aarhus University.
2016- 2019 Bachelor's degree in medicine, Aarhus University.
2011-2014 Student from Skive Gymnasium og HF.

WORK EXPERIENCE

2019 – 2021 Medical Secretary, Odder Lægehus.
2017 – 2022 Disability care worker, Aarhus Kommune.
2016 – 2021 Nurse Assistant, Region Midt.

SCIENTIFIC QUALIFICATIONS

2021-2022 Research year, Department of Orthopedic surgery, Aarhus University Hospital, project title: "Penetration depth and tissue concentration of carboplatin in a HIPEC procedure – assessment in a novel porcine model".
2020- Member of Aarhus Microdialysis Research (ADMIRE) at Department of Orthopaedic Surgery Department, Aarhus University Hospital. Participated in experiments and surgeries in connection with microdialysis studies in progress.

PRESENTATIONS

2023 Poster presentation at PSOGI international congress, Venice, September 2023: "Abdominal tissue concentrations and penetration in a HIPEC procedure – assessment in a novel porcine model"
2022 Poster presentation at Annual Research Meeting, Dept. of Clinical Medicine, Aarhus, November 2022: "Abdominal tissue concentrations and penetration in a HIPEC procedure – assessment in a novel porcine model"
Poster presentation at International Gynecology Cancer Society conference, New York, September 2022: "Abdominal tissue concentrations and penetration in a HIPEC procedure – assessment in a novel porcine model"

- 2022 Poster presentation at Danske Kræftforskningsdage, Kolding, August 2022: "Abdominal tissue concentrations and penetration in a HIPEC procedure – assessment in a novel porcine model"
- 2021 Visual abstract poster, Danske Kræftforskningsdage 2021: "A novel experimental porcine model for assessment of cisplatin and carboplatin in a HIPEC procedure".

AWARDS

- 2023 Health Studenterforskningspris, Aarhus University.

TEACHING

- 2024 Teaching medical students, Department of Internal Medicine, Regional Hospital Gødstrup.
- 2017-2022 Teaching exchange students on clinical internships in Aarhus Denmark in Danish healthcare and culture, IMCC Exchange Denmark.

COURSES

- 2021 Basic course in written English, Aarhus University, 2.6 ECTS.
- 2021 Data management and STATA, Aarhus University, 1.4 ECTS.
- 2020 Laboratory Animal Science course category B, Aarhus University, 3.8 ECTS.
- 2020 Training course in basic surgery techniques in pigs, Aarhus University.
- 2017 Laboratory training in medical biochemistry, Aarhus University.
- 2017 Nurse Assistant Course, Vikar Region Midt, Aarhus.
- 2016 Basic suture, SAKS Aarhus.

ADDITIONAL CLINICAL EXPERIENCE

- 2024 Active member of "self-writing" group in the implementation process of writing journals yourself, Department of Internal Medicine, Regional Hospital Gødstrup.
- 2024 Assistant in CPO-detection, Department of Internal Medicine, Regional Hospital Gødstrup.
- 2019 Internship Department of Gynaecology and Obstetrics, Oita University Hospital of Japan.

VOLUNTEER WORK

- 2017-2023 Active member of IMCC Exchange and Research Exchange.
- 2017-2018 Local Exchange Officer of IMCC Exchange Aarhus:
- 2018-2019 - Leadership of the local group.
- 2021-2022 - Arranging internships and stays for foreign exchange students at Aarhus University Hospital.
- Financial work of the local group.
- Upon Arrical Training for foreign exchange students.
- Pre Departure Training for Danish exchange students.
- Participating and working close together with other activities in IMCC Aarhus: gathering new members, informational meetings, social event, etc.
- 2019-2020 National Exchange Officer of IMCC Exchange Denmark:
- 2020-2021 - Leadership
- Communication in own organisation and with other exchange countries

- Planning internships in Denmark and in other exchange countries
 - Financial responsibility and work in IMCC Exchange and Research Exchange Arrangement of national meetings for IMCC Exchange and Research Exchange
 - Attending IFMSA General Assembly (online, March, 2021; online, August, 2021) and IFMSA Regional Meeting (in person, Saint Petersburg, Russia, 2019).
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PUBLICATIONS

ORCID: 0000-0002-5164-5197

2025:

14.

The role of hyperthermia in intraperitoneal chemotherapy on abdominal tissue concentrations – insights from a porcine model.

Harlev C, Bue M, **Petersen EK**, Jørgensen AR, Schmedes A, Hanberg P, Petersen LK, Stilling M – *manuscript in progress*.

2024:

13.

Penicillin Concentrations in Oropharyngeal and Frontal Sinus Tissue Following Intravenous Bolus and Continuous Infusion Measured by Microdialysis in a Porcine Model.

Hanberg P, Rasmussen HC; Bue M; Stilling M; Jørgensen AR; **Petersen EK**; Lilleøre JG; Hvistendahl MA; Bille J; Klug TE – *manuscript in review*.

12.

Inflammatory and ischemic responses in peritoneal tissue during and after CRS and HIPEC: an exploratory porcine microdialysis study.

Petersen E.K., Bue M., Harlev C., Jørgensen A.R., Schmedes A., Hanberg P., Petersen L.K., Stilling M – *manuscript in review*.

11.

Comparison of the effect of electrical stimulation of the stomach or the sigmoid colon, in animals undergoing surgery and heated intraperitoneal chemotherapy.

Martensen AK, Sørensen MM, Harlev C, **Petersen EK**, Iversen LH, Funder JA. *European Journal of Surgical Oncology* – *manuscript in review*.

10.

Influence of drain type and number on perfusion in “closed abdomen” HIPEC – an animal study.

Martensen AK, Sørensen MM, Harlev C, **Petersen EK**, Iversen LH, Funder JA – *manuscript in process*.

9.

A novel porcine model for dynamic *in situ* assessment of cisplatin concentrations in carcinomatous relevant tissues during and after a HIPEC procedure.

Harlev C, Bue M, **Petersen EK**, Jørgensen AR, Schmedes A, Hanberg P, Petersen LK, Stilling M. *Annals of Surgical Oncology* – *manuscript in review*.

8.

Penicillin concentrations in porcine bone and subcutaneous tissue: A microdialysis study comparing oral penicillin versus intravenous penicillin.

Rasmussen HC, Hanberg P, Lilleøre JG, **Petersen EK**, Hvistendahl M, Jørgensen AR, Stilling M, Bue M. *J Orthop Res*. 2024 Dec;42(12):2844-2851. doi: 10.1002/jor.25947. Epub 2024 Aug 5. PMID: 39101353.

7.

Penicillin Concentrations in Oropharyngeal and Frontal Sinus Tissue Following Enteral and Intravenous Administration Measured by Microdialysis in a Porcine Model.

Hanberg P, Rasmussen HC; Bue M; Stilling M; Jørgensen AR; **Petersen EK**; Lilleøre JG; Hvistendahl MA; Bille J; Klug TE. *Eur J Pharm Sci.* 2024 Jul 20;201:106859. doi: 10.1016/j.ejps.2024.106859. Epub ahead of print. PMID: 39038689.

6.

Analysis of free cisplatin in microdialysates dialysates and plasma ultrafiltrate in a porcine model by liquid chromatography-tandem mass spectrometry.

Schmedes AV, Harlev C, Bue M, Bergmann ML **Petersen EK**, Petersen LK, Stilling M. *J Chromatogr B Analyt Technol Biomed Life Sci.* 2024 Mar 1;1235:124040. doi: 10.1016/j.jchromb.2024.124040. Epub 2024 Feb 3. PMID: 38330770.

2023:

5.

Doxorubicin concentrations in bone tumour-relevant tissues after bolus and continuous infusion: a randomized porcine microdialysis study.

Jørgensen AK, Bue M, Hanberg P, **Petersen EK**, Harlev C, Hansen J, Hansen TB, Safwat A, Stilling M. *Cancer Chemother Pharmacol.* 2024 Jun;93(6):555-564. doi: 10.1007/s00280-023-04637-1. Epub 2024 Feb 8. PMID: 38332155; PMCID: PMC11130026.

4.

Piperacillin steady state concentrations in target tissues relevant for PJI treatment – a randomized porcine microdialysis study comparing continuous infusion with intermittent short-term infusion.

Rasmussen HC, Hanberg P, Knudsen M, Jørgensen AR, Tøstesen SK, **Petersen EK**, Öbrink-Hansen K, Søballe K, Stilling M, Bue M. *Antibiotics.* 2023 Mar 14;12(3):577. doi: 10.3390/antibiotics12030577. PMID: 36978444; PMCID: PMC10044349.

2022:

3.

Intermittent Short-Term Infusion vs. Continuous Infusion of Piperacillin: Steady State Concentrations in Porcine Cervical Spine Tissue Evaluated by Microdialysis.

Petersen EK, Hanberg P, Knudsen M, Tøstesen SK, Jørgensen AR, Öbrink-Hansen K, Søballe K, Stilling M, Bue M. *Antibiotics.* 2022 Jul 7;11(7):910. doi: 10.3390/antibiotics11070910. PMID: 35884164; PMCID: PMC9312177.

2.

Abdominal tissue concentrations and penetration in a HIPEC procedure – assessment in a novel porcine model.

Petersen E.K., Bue M., Harlev C., Jørgensen A.R., Schmedes A., Hanberg P., Petersen L.K., Stilling M. *Pleura and Peritoneum.* 2022 Jun 6;7(3):117-125. doi: 10.1515/pp-2022-0110. PMID: 36159212; PMCID: PMC9467902.

2021:

1.

Influence of anastomoses on intestine ischemia and cefuroxime concentrations: evaluated in ileum and colon in a porcine model.

Hanberg P, Bue M, Thomassen M, Løve US, Kipp JO, Harlev C, **Petersen E**, Søballe K, Stilling M. *World J Gastrointest Pathophysiol.* 2021 Jan 22;12(1):1-13. doi: 10.4291/wjgp.v12.i1.1. PMID: 33585069; PMCID: PMC7852486.