# Curriculum Vitae



Elisabeth Krogsgaard Petersen
MD

## PERSONAL INFORMATION


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| Private address: | Willemoesgade 44, 2nd floor, Aarhus N. |
| Date of birth: | 17th February 1995 |
| Aut. ID: | 0FQT0 |
| E-mail address: | elisabethkp@clin.au.dk |
| Telephone no.: | +45 50582067 |


## EMPLOYMENT

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| 2024 - 2027 | PhD student, Aarhus University, Orthopedic Research Unit, Aarhus University Hospital, main supervisor Maiken Stilling |
| 2024 | KBU, general practise, Lægerne Vesterager og Tved Struer (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

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| 2019-2023 | Medical Doctor (MD)(cand.med.), Aarhus University, Denmark. |
| 2016 - 2019 | Bachelor's degree in medicine (BSc), Aarhus University. |
| 2011 - 2014 | Graduated from Skive Gymnasium og HF. |

## WORK EXPERIENCE

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| 2020 - 2022 | Anaesthesia assistant on porcine courses for medical surgeons in training, Department of Clinical Medicine, Aarhus University. |
| 2019 - 2021 | Medical Secretary, Odder Lægehus. |
| 2017 - 2022 | Disability care worker, Aarhus Kommune. |
| 2016 - 2021 | Nurse Assistant, Region Midt. |

## SCIENTIFIC QUALIFICATIONS

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| 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

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| 2026 | Poster presentation at European Society of Gynaecological Oncology congress, Copenhagen, February 2026: "Immediate postoperative effects of cytoreductive surgery with hyperthermic intraperitoneal chemotherapy using carboplatin on peritoneal tissue inflammatory and ischemic responses: an explorative porcine study" |

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| 2025 | Oral presentation at Annual Research Meeting, Dept. of Clinical Medicine, Aarhus, November 2025: “Immediate postoperative effects of cytoreductive surgery with hyperthermic intraperitoneal chemotherapy using carboplatin on peritoneal tissue inflammatory and ischemic responses: an explorative porcine study" |
| 2025 | Poster presentation at PSOGI international congress, Barcelona, September 2025: “Refining a Large Animal Model of HIPEC with Carboplatin New Insights into Microdialysis Methodology" |
| 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” |
| 2022 | 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 AND FUNDRAISING

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| 2023 | Health Studenterforskningspris, Aarhus University. |
| 2020 - | Fundraised 350.000 DKK for own research projects and 2.000.000 for salary. |

## TEACHING

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| 2025 | Clinical skills training, medical students, 1st masters semester, Aarhus University, 6 hours. |
| 2025- | Communication: doctor-patient communication, medical students, 1st bachelor semester, Aarhus University, 8 hours. |
| 2025- | Communication: peer supervision, medical students, 5th masters semester, Aarhus University, 18 hours. |
| 2025- | Communication: the difficult conversation, medical students, 2nd masters semester, Aarhus University, 16 hours. |
| 2025- | Communication: doctor-patient communication, medical students, 1st masters semester, Aarhus University, 18 hours. |
| 2025 | Participant in workshop for communication teachers for medical candidate students, Aarhus University. Three days. |
| 2024 | Teaching medical students, Department of Internal Medicine, Regional Hospital Gødstrup, 3 hours. |
| 2017 - 2022 | Teaching exchange students on clinical internships in Aarhus Denmark in Danish healthcare and culture, IMCC Exchange Denmark. |

## SCIENTIFIC SUPERVISOR EXPERIENCE

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| 2025 - 2026 | Research year student, Caroline Hovland Lützhøft, on the project "The MiAMII study", Aarhus University. |

## COURSES

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| 2026 | Population Pharmacokinetics three-day workshop, The University of Queensland, Brisbane, Australia, 15th-17th July 2026. |
| 2026 | Proteomics and protein profiling, Aarhus University, 4.5 ECTS. |
| 2025 | Analysis of variance and repeated measures, Aarhus University, 3.6 ECTS. |
| 2025 | Responsible Conduct of Research, Aarhus University, 1 ECTS. |
| 2025 | Advanced course in Laboratory Animal Science – Porcine models in biomedical research, Aarhus Universitet, 5 ECTS. |
| 2025 | Basic Biostatistics part 1 and part 2, Aarhus University, 2,4+3.9 ECTS. |
| 2024 | The polypharmacy patient in different situations by geriatrics Mikkel Juul Jensen, Herning, MidtKraft (October 2nd 2024). |
| 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

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| 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, 4 weeks. |

## VOLUNTEER WORK

2017 - 2023 Active member of IMCC Exchange and Research Exchange, Denmark.

2017 - 2018
2018 - 2019
2021 - 2022 Local Exchange Officer of IMCC Exchange Aarhus:

- Leadership of the local group.
- 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:

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| 2020 - 2021 | - Leadership<br>- Communication in own organisation and with other exchange countries<br>- Planning internships in Denmark and in other exchange countries<br>- Financial responsibility and work in IMCC Exchange and Research Exchange Arrangement of national meetings for IMCC Exchange and Research Exchange<br>- Attending IFMSA General Assembly (online, March, 2021; online, August, 2021) and IFMSA Regional Meeting (in person, Saint Petersburg, Russia, 2019). |

## PUBLICATIONS

ORCID: 0000-0002-5164-5197

**2026:**

17.
Steady-State Penicillin G Distribution in Cervical Paravertebral Muscle, Vertebral Bone, and Intervertebral Disc: Insights from a Porcine Microdialysis Study.
Rasmussen HC, Hvistendahl MA, Hanberg PE, Lilleøre J, **Petersen EK**, Jørgensen AR, Stilling M, Bue M – *submitted to JOR Spine*.

16.
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 – submitted to *Neuromodulation: Technology at the Neural Interface*.

15.
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.
*Pharmaceutical Research 2026* – ahead of print.

**2025:**

14.
Pharmacokinetic comparison of cisplatin administration via HIPEC and intravenous infusion in a porcine model.
Harlev C, **Petersen EK**, Bue M, Petersen LK, Lilleøre JG, Schmedes A, Bibby B, Stilling M.
*Cancer Chemotherapy and Pharmacology, 2025* – ahead of print.

13.
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.
*Eur J Surg Oncol*. 2025 Aug 12;51(10):110378. doi: 10.1016/j.ejso.2025.110378. Epub ahead of print. PMID: 40819414.

12.

Immediate postoperative effects of cytoreductive surgery with hyperthermic intraperitoneal chemotherapy using carboplatin on peritoneal tissue inflammatory and ischemic responses: an explorative porcine study.
**Petersen E.K.**, Bue M., Harlev C., Jørgensen A.R., Schmedes A., Hanberg P., Petersen L.K., Stilling M. *Pleura and Peritoneum, 2025.* https://doi.org/10.1515/pp-2025-0001

11.
Effect of repeated bolus and continuous doxorubicin administration on bone and soft tissue concentrations – a randomized study evaluated in a tumour-free porcine model.
Jørgensen AR, Bue M, Hanberg P, Harlev C, **Petersen EK**, Rasmussen HC, Hansen Jakob, Hansen TB, Safwat A, Stilling M. *Cancer Chemother Pharmacol* 95, 47 (2025).
https://doi.org/10.1007/s00280-025-04768-7

10.
Dynamic assessment of local abdominal tissue concentrations of cisplatin during a HIPEC procedure – insights from a porcine model.
Harlev C, Bue M, **Petersen EK**, Jørgensen AR, Bibby BM, Hanberg P, Schmedes AV, Petersen LK, Stilling M. Ann Surg Oncol. 2025 Feb 12. doi: 10.1245/s10434-025-17000-w. Epub ahead of print. PMID: 39939536.

**2024**:

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.