



ANNUAL REPORT

2025

Research Center
for Emergency
Medicine

Department of Clinical Medicine
Aarhus University

Data sheet

Annual Report 2026 – Research Center for Emergency Medicine

The annual report is composed and published in cooperation with researchers and colleagues affiliated with Research Center for Emergency Medicine.
June 2026

Editor

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Preface

We are proud to present the 2025 Annual Report from the Research Center for Emergency Medicine (RECEM), reflecting a year of substantial academic productivity, strong collaboration, and continued development of emergency medicine as a research-driven specialty.

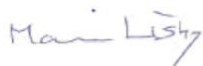
With more than 40 affiliated researchers across disciplines, RECEM represents a dynamic and evolving research environment. In 2025, the centre contributed around 60 peer-reviewed publications, spanning key areas such as patient safety, emergency nursing, cardiac arrest, point-of-care ultrasound, trauma, and healthcare organisation. This breadth highlights our commitment to producing research that is both methodologically rigorous and clinically relevant.

RECEM also secured over 20.9 million DKK in external funding, supporting a diverse and growing portfolio of projects ranging from early-career initiatives to large international collaborations. Moreover, this funding strengthens our capacity to address complex clinical challenges across the acute care pathway.

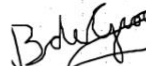
Our work is characterised by close integration between research and clinical practice, interdisciplinary collaboration, and strong international engagement. Together, these elements position RECEM as an active contributor to both national and global advancements in emergency medicine.

We hope this report provides valuable insight into our activities and inspires further collaboration. We extend our sincere thanks to all colleagues, partners, and collaborators who contribute to this shared effort to advance safe, effective, and evidence-based emergency care.

Best regards,



Marianne Lisby,
Associate Professor, PhD., MHSc, RN
Research Leader



Bas de Groot
Professor, PhD, MD



1. About us

We are the Research Center for Emergency Medicine (RECEM) at Aarhus University and Aarhus University Hospital, dedicated to advancing research in this evolving medical specialty. We collaborate with the emergency department and host researchers at all levels, from students to professors. Emphasizing interdisciplinary research, we integrate diverse healthcare professions and methods to drive innovation. Our goal is to create a dynamic research environment, continuously expanding collaborations and projects in emergency medicine.

Our mission

We perform national and international interdisciplinary research with the aim to provide evidence-based and cost-effective treatment and improve (patient-reported-) outcomes of all ED patients in a sustainable way.

Our vision

In 5-10 years RECEM is nationally leading and internationally acclaimed within the research field of emergency medicine by its research focusing on appropriate & value-based healthcare, transitional research and implementation and education of knowledge in the acute care chain.

Further information about our research areas, activities and overall strategy can be found on our website:

www.RECEM.au.dk.

2. Staff and affiliated researchers

Our research environment comprises diverse academic positions, including a professor, associate professors, PhD students, and various student researchers, reflecting our commitment to interdisciplinary collaboration, and academic development. See Table 1 for an overview of staff, students and affiliated researchers in the center.

Tabel 1. Staff, students and affiliated researchers in RECEM.

Name	Title/Position	Research Area(s)
Marianne Lisby	Research Leader, Associate Professor	Patient safety; Design-EM; Emergency Nursing, Inequality in health
Bas de Groot	Professor	Appropriate Care by Improved Early Screening and Risk Stratification in ED Patients
Hans Kirkegaard	Professor Emeritus	Cardiac Arrest; Design-EM; Point-of-Care Ultrasound; Trauma
Claus Sixtus Jensen	Associate Professor	Patient Safety; Paediatrics
Jesper Weile	Associate Professor	Point-of-Care Ultrasound
Kasper Glerup Lauridsen	Associate Professor	Cardiac Arrest
Nikolaj Raaber	Associate Professor	Point-of-Care Ultrasound; Trauma; Physiotherapists in the Emergency Department; Hospital at Home
Hanne Mainz	Senior Researcher, Postdoc	Patient Safety; Emergency Nursing
Gitte Boier Tygesen	PhD, Research Manager in Gødstrup and Researcher	Design-EM; Patient Safety; Emergency Nursing
Karen V. Andersen	Clinical Specialist, Researcher	Emergency Nursing; Alcohol
Stig Holm Ovesen	MD, PhD	Point-of-Care Ultrasound
Stine Fjendbo Galili	MD, PhD	Pain Management

Trine Thøgersen	MHSc, PhD	Patient Safety
Nanna Fauerholdt Skov	MHSc, PhD Fellow	Emergency Nursing
Kasper F. Hoberg von Benzon	MHSc, PhD Fellow	Prehospital Emergency Medicine
Dung Nguyen Riis	MD, PhD Fellow	Cardiac Arrest
Esben Merrild	MD, PhD Fellow	Heart Failure
Johannes Wittig	MD, PhD Fellow	Cardiac Arrest
Ronja Leth	MD, PhD Fellow	Point-of-Care Ultrasound
Sandra Thun Langsted	MD, PhD Fellow	Point-of-Care Ultrasound
Sara Viskum Leth	MSc Public Health Science, Pre-PhD Student	Patient Safety; Inequality in health
Line Bilgrav Nisgaard	MHSc, Pre-PhD Student	Patient Safety; Stroke
Philip Uhd Wendt Nielsen	MD, Pre-PhD Student	Trauma
Mia Blaabjerg	BScN/RN, MHSc	Trauma; Emergency Nursing
Jim Frandsen	MD, Research Affiliated	Cardiac Arrest
Sanne Schjødt	MD, Research Affiliated	Antibiotic
Peter Jennings	MD, Research Affiliated	Cardiac Arrest
Anna Sommer Harrits	Stud.med., Research Year Student	Cardiac Arrest
Heidi Brinkmann Larsen	Stud.med., Research Year Student	Early Genetic Screening for Cardiomyopathy
Tobias Rygaard Kristiansen	Stud.med., Research Year Student	International Early Warning Score

Ahmad Khitir	Stud.med., Master's Student	Trauma
Ali Eid	Stud. med., Master's Student	Medication safety
Camilla Jauhiainen	Stud. med., Master's Student	Medication safety
Cecilie Langkilde Lauesen	Stud.med., Master's Student	Cardiac Arrest
Christian B. Sørensen	Stud.med., Master's Student	Antibiotics
Christina Højfeldt Nordestgaard	Stud.med., Master's Student	Trauma
Filippa Tasola Kullander	Stud.med., Master's Student	Cardiac Arrest
Hedvig Tuuli Filippa Kullander	Stud.med., Master's Student	Cardiac Arrest
Magnus Østrup Brøgger	Stud.med., Master's Student	Cardiac Arrest
Eva Kjær Gammeljord	BScN, Master's Student in Health Science	Psychological Safety in Trauma Teams
Rikke Madsen Gravesen	BScN, Master's Student in Health Science	Emergency Nursing
Anna Vang Østergård	Stud.med., Elective Course Student	Cardiac Arrest
Moritz Nettinger	Stud.med., Foreign Student	Cardiac Arrest
Emma Bürgstein	Paramedic, Foreign Student	Cardiac Arrest

The total number of staff, students and researchers is 45, but responses were received from 36 individuals. Please note that it is possible to have several affiliations.

3. News

Congratulations to our new PhDs

In 2025, three researchers affiliated with the Research Center for Emergency Medicine successfully obtained their PhD degrees. We would like to extend our warmest congratulations to:

Stine Fjendbo Galili, MD, PhD

Acute Pain Treatment in the Emergency Department.

PhD degree obtained on 28 February 2025.

Trine Thøgersen, BScN, MHSc, PhD

Potentially Preventable Hospitalisations – Insights from Registries and Frontline Care.

PhD degree obtained on 9 May 2025.

Stig Holm Ovesen, MD, PhD

Point-of-Care Ultrasound and Dyspnea in the Emergency Department.

PhD degree obtained on 27 May 2025.

Awards and recognitions

In 2025, researchers affiliated with the Research Center for Emergency Medicine received several awards and recognitions. We are proud to highlight these achievements and congratulate the recipients and their research teams.

Jesper Weile, MD, PhD, Associate Professor

- Received the **Lifetime Achievement Award** at the Ultrasound Oscars, held during the Annual Meeting of the Danish Society for Emergency Medicine (DASEM).

Johannes Wittig, MD, PhD Fellow

- Awarded **Fellowship of the European Resuscitation Council (FERC)** in October 2025.
- Co-author on the project receiving the **Young Investigator Award** at the European Resuscitation Council Congress 2025 in Rotterdam, Netherlands. The award recipient was Freia Agervig.

Freia Agervig, Stud.med.

- Received the **Young Investigator Award** at the European Resuscitation Council Congress 2025 in Rotterdam, Netherlands.

Anna Vang Østergård, Stud.med.

- As part of the research group receiving the **Young Investigator Award** at the European Resuscitation Council Congress 2025 in Rotterdam, Netherlands. The award recipient was by research partner Freia Agervig.

4. Projects and supervisors

Bas de Groot, MD, PhD, Professor

Main supervisor:

PhD projects:

Cost Effective and Appropriate Care by Age and Frailty Adjusted Risk Stratification of Older Patients in the Emergency Medical Services. WhoCARES2-study.

Kasper F. Hoberg von Benzon, MHSc, PhD Fellow.

Research year projects:

Early-DETECT-ED

Substudy 1: *Early Detection of Inherited Cardiomyopathy in the ED: A Pilot Study.*

Substudy 2: *Patient Characteristics, Resource Use and Outcomes in Young Adults with Non-Specific versus Specific Diagnoses in the Emergency Department: An Observational Cohort Study.*

Heidi Brinkman Larsen, stud.med.

Early Warning Score - How they are used and Validated?

Substudy 1: *Perceived Barriers and Facilitators of Implementation of the International Early Warning Score and Clinical Frailty Scale in the Emergency Department (BAFFLED); A Multi-Centre Qualitative Study.*

Substudy 2: *VIEWFirst: Validation of the International Early Warning score for FIRST Responders; A Multi-Centre Retrospective Cohort Study.*

Tobias Rygaard Kristiansen, stud.med.

Co-supervisor:

Research year projects:

Self-Reported Awareness and Knowledge of Blunt Cerebrovascular Injury Among Emergency, Orthopedic, and Anesthesiology Physicians in Denmark and the Netherlands.

Philip Uhd Wendt Nielsen, stud.med.

Marianne Lisby, RN, MHSc, PhD, Associate professor and Research Leader

Main supervisor:

PhD projects:

Potentially Preventable Hospitalisations – Insights from Registries and Frontline Care.

Trine W. Thøgersen, BScN, MSc., PhD (2025).

Emergency Nursing Essentials in the Emergency Department.

Nanna Fauerholdt Skov, BScN, MHSc, PhD Fellow.

Optimizing Healthcare Access for Individuals with Mental Disorders in the Somatic Care System.

Sara Viskum Leth, MSc in Public Health, PhD Fellow.

Master thesis projects:

Feeling Unwell as a Symptom of Critical Illness. A Retrospective Cohort Study of Patients Triageed with the Chief Complaint card 'Feeling Unwell' in Danish Emergency Departments.

Rikke Graversen Madsen, BScN, MHSc. Stud.

Barriers and Facilitators of Medication History taking and Reconciliation in the Emergency Department.

Ali Eid & Camilla Jauhiainen, stud.med.

Oral versus Intravenous Clarithromycin in Emergency Departments: A Multicentre Retrospective Cohort Study in Denmark.

Christian Bach Sørensen, stud.med.

Elective course projects:

Arriving in Pain.

Lea Wildt Frilund, stud. med.

Co-supervisor:

PhD projects:

Cost effective and Appropriate Care by Age and Frailty Adjusted Risk Stratification of Older Patients in the Emergency Medical Services. WhoCARES2 study.

Kasper F. Hoberg von Benzon, MHSc, PhD Fellow.

Research Year projects:

Perceived Barriers and Facilitators of Implementation of the International Early Warning Score and Clinical Frailty Scale in the Emergency Department (BAFFLED); A Multi-Centre Qualitative Study.

Tobias Rygaard Kristensen, stud.med.

Self-Reported Awareness and Knowledge of Blunt Cerebrovascular Injury Among Emergency, Orthopedic, and Anesthesiology Physicians in Denmark and the Netherlands.

Philip Udh Wendt Nielsen, stud.med.

Others:

Predicting Adverse Drug Events in Older Patients Admitted to the Emergency Department: A Machine Learning Study.

Sofie Claussen, stud.med. (Department of Geriatrics).

Kasper Glerup Lauridsen, MD, PhD, Associate Professor

Main supervisor:**PhD projects:**

Novel Cardiopulmonary Resuscitation Training Strategies to Improve In-Hospital Cardiac Arrest Outcomes.

Dung Nguyen Riis, MD, PhD Fellow.

INFUSE-AHF.

Esben Merrild, MD, PhD Fellow.

The Ventilation during In-Hospital Cardiac Arrest (VENT-IHCA) Study.

Johannes Wittig, MD, PhD Fellow.

Ward Rounds with Older Patients with Frailty: Embedding Patient and Informal Caregiver Perspectives to Inform Medical Education.

Lene Holst Andersen, MD, PhD Fellow.

Ultrasound Guides Thoracentesis in the Emergency Department - Training and Clinical Performance.

Sandra Thun Langsted, PhD Fellow.

Research year projects:

The Association between Chest Compression Pause Duration for Ventilations and Ventilation Success during In-Hospital Cardiac Arrest: A Prospective Multicenter Study.

Substudy: Accuracy of Ventilation Detection using Impedance Waveforms versus Direct Flow Measurements during Cardiopulmonary Resuscitation: A Clinical Study.

Anna Sommer Harrits, stud.med.

Master thesis projects:

Handover from Ward Staff to Cardiac Arrest Teams during In-Hospital Cardiac Arrests: A Clinical Cohort Study.

Cecilie Langkilde Lauesen, stud.med.

A Video Intervention to Reduce Patients Anxiety and Fear Prior to Direct Current Cardioversion: A Randomized Pilot Study.

Hedvig Tuuli Filippa Kullander, stud.med.

Cardiopulmonary Resuscitation Skill Stations in a Bed or Not: A Simulation-Based Randomized Controlled Trial.

Magnus Østrup Brøgger, stud.med.

Other projects:

Bag-Valve-Mask Ventilation Quality by Ward Staff during Basic Life Support of In-Hospital Cardiac Arrest Patients – A Multicenter Cohort Study.

Jim Jæger Frandsen, stud.med.

Associations of Manual Defibrillator Compared to Automated External Defibrillator Usage with Defibrillation and Resuscitation Quality during In-Hospital Cardiac Arrest.

Moritz Nettinger, stud.med.

Co-supervisor:

PhD projects:

Prediction Models for Survival after In-Hospital Cardiac Arrest as a Basis for Do-Not-Attempt-Cardiopulmonary-Resuscitation Decisions.

Hritul Karim, MD, PhD Fellow, Karolinska Institutet.

Jesper Weile, MD, PhD, Associate Professor

Main supervisor:

PhD projects:

Ultrasound and Abdominal Pain in the Emergency Department.

Ronja Leth, MD, PhD Fellow.

Co-supervisor:**PhD projects:**

Ultrasound Guided Bedside Thoracentesis and Manual Fluid Removal in the Emergency Department.

Sandra Thun Langsted, MD, PhD Fellow.

Nikolaj Raaber, MD, PhD, Associate Professor

Main supervisor:**Master thesis projects:**

Trauma Team Activation for Pediatric Patients in Denmark: A Multicenter Study of Criteria, Organization, and Injury Severity.

Christina Højfeldt Nordestgaard, stud.med.

Research year projects:

From Trauma to Stroke: Blunt Cerebrovascular Injuries in Denmark.

The project also included a study of; Self-Reported Awareness and Knowledge of Blunt Cerebrovascular Injury among Emergency, Orthopedic, and Anesthesiology Physicians in Denmark and the Netherlands.

Philip Uhd Wendt Nielsen, stud.med.

Gitte Boier Tygesen, RN, MHSc, PhD, Researcher

Co-supervisor:**PhD projects:**

Emergency Nursing Essentials in the Emergency Department.

Nanna Fauerholdt Skov, BScN, MHSc, PhD Fellow.

Master thesis projects:

Feeling Unwell as a Symptom of Critical Illness. A Retrospective Cohort Study of Patients Triageed with the Chief Complaint Card 'Feeling Unwell' in Danish Emergency Departments.

Rikke Graversen Madsen, BScN, MHSc. Stud.

Hanne Mainz, RN, MHSc, PhD, Senior Researcher, Postdoc

Co-supervisor:

PhD projects:

Missed Nursing Care: Patients' Perspectives.

Maja Thomsen Albrechtsen, MSc in Public Health, PhD Fellow.

Stig Holm Ovesen, MD, PhD

Co-supervisor:

PhD projects:

Ultrasound and Abdominal Pain in the Emergency Department.

Ronja Leth, MD, PhD Fellow.

Other student projects:

Using Virtual Reality to Assess Competence in Ultrasound-Guided Peripheral Venous Cannulation.

Jeppe Thorning Mørk, stud.med.

Stine Fjendbo Galili, MD, PhD

Co-supervisor:

Elective course projects:

Arriving in Pain.

Lea Wildt Frilund, stud.med.

Johannes Wittig, MD, PhD Fellow

Co-supervisor:

Research year projects:

The Association between Chest Compression Pause Duration for Ventilations and Ventilation Success during In-Hospital Cardiac Arrest: A Prospective Multicenter Study.

Substudy: *Accuracy of Ventilation Detection using Impedance Waveforms versus Direct Flow Measurements during Cardiopulmonary Resuscitation: A Clinical Study.*

Anna Sommer Harrits, stud.med.

Master thesis projects:

Cardiopulmonary Resuscitation Skill Stations in a Bed or Not: A Simulation-Based Randomized Controlled Trial.

Magnus Østrup Brøgger, stud.med.

Other projects:

Bag-Valve-Mask Ventilation Quality by Ward Staff during Basic Life Support of In-Hospital Cardiac Arrest Patients – A Multicenter Cohort Study

Jim Jæger Frandsen, stud.med.

Cardiopulmonary Resuscitation Coaching during Pediatric Out-of-Hospital Cardiac Arrest.

Emma Bürgstein, paramedic.

Associations of Manual Defibrillator Compared to Automated External Defibrillator Usage with Defibrillation and Resuscitation Quality During In-Hospital Cardiac Arrest.

Moritz Nettinger, stud.med.

Dung Nguyen Riis, MD, PhD Fellow

Co-supervisor:

Master thesis projects:

Cardiopulmonary Resuscitation Skill Stations in a bed or not: A Simulation-Based Randomized Controlled Trial.

Magnus Østrup Brøgger, stud.med.

Other projects:

Associations of Manual Defibrillator Compared to Automated External Defibrillator Usage with Defibrillation and Resuscitation Quality During In-Hospital Cardiac Arrest.

Moritz Nettinger, stud.med.

Sanne Schjødt, MD, Research Affiliated

Co-supervisor:**Master thesis projects:**

Oral versus Intravenous Clarithromycin in Emergency Departments: A Multicentre Retrospective Cohort Study in Denmark.

Christian Bach Sørensen, stud.med.

5. National research projects

Marianne Lisby, RN, MHSc, PhD, Associate Professor and Research Director

COPD and Socially Marginalized Patients: Prevalence and Treatment of Reduced Lung Function among Patients within the Social Nurses' Target Group.

PI, Hvidovre Hospital: Charlotte Suppli Ulrik,

PI, Central Denmark Region: Marianne Lisby.

Important Emergency Nursing Tasks: A National Modified Delphi Approach.

PI: Nanna Fauerholdt Skov.

A Description of Emergency Nursing in a Danish Context through Focus Group Interviews.

PI: Nanna Fauerholdt Skov.

Claus Sixtus Jensen, RN, MHSc, Associate Professor

Right Child Care.

PI: Claus Sixtus Jensen.

Jesper Weile, MD, PhD, Associate Professor

Improving Diagnosis of Acute Abdominal Pain with Point-of-Care Ultrasound.

PI: Ronja Leth.

Kasper Glerup Lauridsen, MD, PhD, Associate Professor

The Ventilation during In-Hospital Cardiac Arrest (VENT-IHCA) Study.

PI: Kasper Glerup Lauridsen.

Researcher: Johannes Wittig.

Nikolaj Raaber, MD, PhD, Associate Professor

From Trauma to Stroke: Blunt Cerebrovascular Injuries in Denmark.

PI: Philip Uhd Wendt Nielsen.

Trauma Team Activation for Pediatric Patients in Denmark: A Multicenter Study of Criteria, Organization, and Injury Severity

PI: Christina Højfeldt Nordestgaard.

BLOCK Trial: Brachial Plexus Nerve Block versus Haematoma Block for Closed Reduction of Distal Radius Fracture in Adults.

Sponsor: Kai Henrik Wiborg Lange.

PI, Aarhus University Hospital: Nikolaj Raaber.

Hanne Mainz, RN, MHSc, PhD, Senior Researcher, Postdoc

ReCare: Reducing Missed Nursing Care for Frail Older Hospitalized Patients.

Research collaboration between Aalborg University Hospital, Aarhus University Hospital and Zealand University Hospital.

PI: Mette Grønkjær & Hanne Mainz.

Gitte Boier Tygesen, RN, MHSc, PhD, Researcher

VASO Shock: Early Initiated Vasopressor Therapy vs. Standard Care of Primarily Fluid Therapy in Hypotensive Patients in the Emergency Department — A Pragmatic, Multi-Center, Superiority, Randomized Controlled Trial.

Sponsor, Odense University Hospital: Mikkel Brabrand.

PI, Gødstrup Hospital: Gitte Boier Tygesen & Malik Kalmrız.

BLOCK Trial: Brachial Plexus Nerve Block versus Haematoma Block for Closed Reduction of Distal Radius Fracture in Adults.

Sponsor: Kai Henrik Wiborg Lange.

PI, Gødstrup Hospital: Gitte Boier Tygesen.

Karen Vestergaard Andersen, RN, PhD, Clinical Specialist, Researcher

Interdisciplinary Network for Acute Research. AUDIT Screening of Acute Patients: A Flashmob Study.

PI: Karen Vestergaard Andersen.

6. International research projects

Bas de Groot, MD, PhD, Professor

PROM-OPAC: Translation and Linguistic Validation Protocol.

European Taskforce on Geriatric Emergency Medicine.

PI: Dorothee Riedlinger.

Marianne Lisby, RN, MHSc, PhD, Associate Professor and Research Director

Design EM: Resilient and Safe Hospitals: What can we Learn from COVID-19? Lessons Learnt from Italy and Denmark.

PI, RECEM: Marianne Lisby.

Investigators, RECEM: Gitte Boier Tygesen, Hans Kirkegaard & Sara Viskum Leth.

Lessons Learnt from Translating the MISSCARE Survey to the Nordic Languages.

PI: Kjersti Grønning, NTNU, Trondheim, Norway.

Investigators, RECEM: Marianne Lisby, Karen Vestergaard Andersen & Hanne Mainz.

International Use of the MISSCARE Survey (scoping review).

PI: Helga Bragadóttir, University of Iceland, Iceland.

Investigators, RECEM: Marianne Lisby, Hanne Mainz & Karen Vestergaard Andersen,

HIRAID® Implementation & Effect of an International Framework for Emergency Nursing

PI: Marianne Lisby.

Investigators, RECEM: Gitte Boier Tygesen & Nanna Fauerholdt Skov.

I-NEEDS: International Nursing Essentials in the Emergency Department.

PI, Denmark: Marianne Lisby:

PI, Sweden: Katarina Göransson.

Investigators RECEM: Nanna Fauerholdt Skov & Gitte Boier Tygesen.

Hans Kirkegaard, MD, PhD, Professor Emeritus

Targeted Temperature Management for 48 vs 24 Hours and Neurologic Outcome After Out-of-Hospital Cardiac Arrest (TTH48).

PI: Hans Kirkegaard.

Blood Biomarkers for the Prediction of Outcome after Cardiac Arrest: An International Prospective Observational Study within the Targeted Hypothermia versus Normo-Thermia after Out-of-Hospital Cardiac Arrest (TTM2) Trial.

PI: Marion Moseby-Knappe.

Investigators: TTM2 biobank study investigators.

Kasper Glerup Lauridsen, MD, PhD, Associate Professor

The Ventilation during In-Hospital Cardiac Arrest (VENT-IHCA) study.

VENT-IHCA Investigators

PI: Kasper Glerup Lauridsen.

Project lead: Johannes Wittig.

Nikolaj Raaber, MD,

Self-Reported Awareness and Knowledge of Blunt Cerebrovascular Injury among Emergency, Orthopedic, and Anesthesiology Physicians in Denmark and the Netherlands.

PI: Philip Uhd Wendt Nielsen.

Hanne Mainz, RN, MHSc, PhD, Senior Researcher, Postdoc

Nordic Missed Nursing Research Collaboration.

The MISSCARE Survey: A Descriptive Analysis of Cross-Country Translation and Cultural Adaptation Challenges in Four Nordic Countries.

PI: Kjersti Grønning and Hanne Mainz.

Investigators RECEM: Marianne Lisby & Karen Vestergaard Andersen.

International use of the MISSCARE Survey (Scoping Review).

PI: Helga Bragadóttir, University of Iceland, Iceland.

Investigators RECEM: Hanne Mainz, Marianne Lisby & Karen Vestergaard Andersen.

Stig Holm Ovesen, MD, PhD

The Second International Consensus Conference on Lung Ultrasound — ICC LUS 2.0.

WINFOCUS.

Sandra Thun Langsted, MD, PhD Fellow

Digitalizing English-Language CT Interpretation for Positive Haemorrhage Evaluation Reporting: The DECIPHER study.

Investigators: Ben Bloom, Adrian Haimovich, Jason Pott, Sophie L. Williams, Michael Cheetham, Sandra Thun Langsted, Imogen Skene, Raine Astin-Chamberlain and Stephen H. Thomas.

Johannes Wittig, MD, PhD Fellow

European Resuscitation Council Guidelines 2025, European Resuscitation Council.

PI: Robert Greif.

An International Consensus Statement on Scientific Knowledge Gaps and Research Priorities for Cardiopulmonary Resuscitation and First Aid. International Liaison Committee on Resuscitation.

PI: Johannes Wittig.

7. National lectures and presentations

Kasper Glerup Lauridsen, MD, PhD, Associate Professor

European Resuscitation Council (ERC) Guidelines for Children and Newborns.

Danish Society of Anaesthesiology and Intensive Care Medicine (DASAIM), Copenhagen, Denmark, November 2025.

Podcast: Bradykardi.

EMS podcast. April 2025.

Hanne Mainz, RN, MHSc, PhD, Senior Researcher, Postdoc

Missed Nursing Care in Danish Hospitals.

Approximately 25 oral presentations at hospitals and professional organizations in Denmark during 2025.

Gitte Boier Tygesen, RN, MHSc, PhD, Researcher

Alcohol use Among Patients in Danish Emergency Departments: A Multicenter Flashmob Study using AUDIT.

Gl. Avernæs Symposium – Emergency Medicine, Denmark, June 2025.

Stine Fjendbo Galili, MD, PhD

Acute Pain Treatment in the Emergency Department.

Annual Meeting of the Danish Society for Emergency Medicine (DASEM), Denmark, April 2025

Stig Holm Ovesen, MD, PhD

Dyspnø Skanning i Akutmodtagelsen og Almen Praksis.

10th Annual Meeting of the DAUS – Danish Society for Ultrasound in General Practice, Middelfart, Denmark, October 2025.

AI ved Billeddiagnostik ved Stroke.

Annual Meeting of the Danish Stroke Society, Aarhus, Denmark, September 2025.

Sandra Thun Langsted, MD, PhD Fellow

Identifying the Optimal Thoracentesis Training Strategy: A Randomized Non-Inferiority Study.

Annual Meeting of the Danish Society for Emergency Medicine (DASEM), Denmark, April 2025.

Philip Uhd Wendt Nielsen, MD, Pre-PhD Student

Assessing the Knowledge of Blunt Cerebrovascular Injuries Among Physicians Managing Trauma Patients: A Multicenter Survey in Denmark and the Netherlands.

Annual Meeting of the Danish Society for Emergency Medicine (DASEM), Denmark, April 2025.

8. International lectures and presentations

Bas de Groot, MD, PhD, Professor

Wetenschap met data uit de Netherlands Emergency Department Evaluation Database (NEED).
Eindhoven, the Netherlands, 2025.

Nieuw en relevant in SEH land: Top tien relevante artikelen 2025.
Utrecht, the Netherlands, 2025.

Invited speaker: Sepsis in Older ED Patients.

European Congress on Emergency Medicine, European Society for Emergency Medicine (EUSEM),
Vienna, Austria, 2025.

Kasper Glerup Lauridsen, MD, PhD, Associate Professor

Composition of Resuscitation Teams.

International Liaison Committee on Resuscitation Meeting, Rotterdam, the Netherlands, October 2025.

Pediatric Basic Life Support.

AHA & ERC Guideline Launch, Rotterdam, the Netherlands, October 2025.

Pediatric Basic Life Support.

ERC Guidelines Conference, Rotterdam, the Netherlands, October 2025.

Termination of Resuscitation.

ERC Guidelines Conference, Rotterdam, the Netherlands, October 2025.

Research Project Management.

Young ERC Resuscitation Science Masterclass Capstone Event, Graz, Austria, July 2025.

Hanne Mainz, RN, MHSc, PhD, Senior Researcher, Postdoc

Missed Nursing Care in Danish Hospitals.

International Council of Nurses (ICN), Helsinki, Finland, June 2025.

Missed Nursing Care in Danish Hospitals.

International Learning Collaborative Conference, Genova, Italy, June 2025.

Gitte Boier Tygesen, RN, MHSc, PhD, Researcher

Building Resilience: A Mixed-Methods Study on Operational Setups and Clinical Outcomes in Danish and Italian Hospitals during the COVID-19 Crisis.

European Congress on Emergency Medicine, European Society for Emergency Medicine (EUSEM), Vienna, Austria, 2025.

Stig Holm Ovesen, MD, PhD

Research is Fun — Early-Career Session Keynote.

WINFOCUS World Congress 2025, San José, Costa Rica, December 2025.

Round Table Discussion - Participant.

International Lung Ultrasound Symposium 2025, Trento, Italy, June 2025.

Johannes Wittig, MD, PhD Fellow

Ethik in der Reanimation.

German Resuscitation Council Meeting, “Reanimationsdialog”, Fürth, Germany, November 2025.

Mein persönlicher Weg in die Reanimationsforschung.

Young Austrian Resuscitation Council Winter School 2025, MED Campus, Johannes Kepler University, Linz, Austria, January 2025.

Wie entstehen Reanimations-Guidelines und was sind die Aufgaben des ARCs & ERCs.

Young Austrian Resuscitation Council Winter School 2025, MED Campus, Johannes Kepler University, Linz, Austria, January 2025.

Resuscitation with AI: Education, Detection, and Decision-Making — Navigating resuscitation ethics in the age of AI.

European Resuscitation Council Congress, Rotterdam, Netherlands, October 2025.

Advanced Life Support 2025: Drugs, Rhythms, and Realities — Airway and ventilation: Are we getting it right?

European Resuscitation Council Congress, Rotterdam, Netherlands, October 2025.

Young ERC Open Meeting: The Young ERC Committee.

European Resuscitation Council Congress, Rotterdam, Netherlands, October 2025.

Opening Ceremony: Key updates ERC Guidelines 2025 — Ethics in Resuscitation.

European Resuscitation Council Congress, Rotterdam, Netherlands, October 2025.

System Interventions & Ethics.

AHA/ERC Guideline Release Event, Rotterdam, Netherlands, October 2025.

Empowering the Next Generation of Researchers — The Resuscitation Science Masterclass Experience.

European Emergency Medicine Congress, European Society for Emergency Medicine (EUSEM), Vienna, Austria, September 2025.

Line Bilgrav Nisgaard, BScN, MHSc, Pre-PhD Student

Symptoms and Referral Patterns of Patients with a Missed Acute Ischemic Stroke: A Danish Multicentre Cohort Study.

The 23rd Nordic Congress on Cerebrovascular Diseases, Tartu, Estonia, September 2025.

From the Bedside to Research: Thriving as a Nurse in EM Research.

European Emergency Medicine Congress, European Society for Emergency Medicine (EUSEM), Vienna, Austria, September 2025.

9. Poster presentations

Hanne Mainz, RN, MHSc, PhD, Senior Researcher, Postdoc

Enhancing Patient-Centered Care Strategies for ACL Injuries. Mainz H & Frandsen L.

International Council of Nurses (ICN), Helsinki, Finland, June 2025.

Karen Vestergaard Andersen, RN, PhD, Clinical Specialist, Researcher

Alcohol Use Among Patients in Danish Emergency Departments: A Multicenter Flashmob Study using AUDIT.

European Emergency Medicine Congress, European Society for Emergency Medicine (EUSEM), Vienna, Austria, September 2025.

Alcohol Use among Patients in Danish Emergency Departments: A Multicenter Flashmob Study using AUDIT.

Gl. Avernæs Symposium – Emergency Medicine, Denmark, June 2025.

Alcohol Use among Patients in Danish Emergency Departments: A Multicenter Flashmob Study using AUDIT.

Sandbjerg Research Symposium on Acute & Emergency Care, Denmark, November 2025.

Stig Holm Ovesen, MD, PhD

Bibliometric Landscape of Diaphragm Ultrasound Research: Trends, Collaboration Patterns, and Emerging Themes.

WINFOCUS World Congress 2025.

Point-of-Care Lung Ultrasound in Emergency Medicine: A Scoping Review with an Interactive Database.

International Lung Ultrasound Symposium 2025, Trento, Italy, June 2025.

A Point-of-Care Ultrasound-Driven Diagnostic Pathway for Emergency Department Patients with Dyspnea: A Randomized Controlled Trial.

European Emergency Medicine Congress, European Society for Emergency Medicine (EUSEM), Vienna, Austria, September 2025.

Nanna Fauerholdt Skov, BScN, MHSc, PhD Fellow

Important Nursing Tasks in the Emergency Department: A National Modified Delphi Approach.

European Emergency Medicine Congress, European Society for Emergency Medicine (EUSEM), Vienna, Austria, September 2025.

A description of emergency nursing in a Danish context through focus group interviews.

European Emergency Medicine Congress, European Society for Emergency Medicine (EUSEM), Vienna, Austria, September 2025.

Kasper Forslund Hoberg von Benzon, MHSc, PhD Fellow

Who CARES2 Study.

Sandbjerg Research Symposium on Acute & Emergency Care, Denmark, November 2025.

Philip Uhd Wendt Nielsen, MD, Pre-Phd Student

Assessing the Knowledge of Blunt Cerebrovascular Injuries Among Physicians Managing Trauma Patients: A Multicenter Survey in Denmark and the Netherlands.

Congress of Student Medical Research, Aarhus University, Denmark, March 2025.

Anna Sommer Harrits, Stud.med., Research Year Student

The Association between Chest Compression Pause Duration for Ventilations and Ventilation Success during In-Hospital Cardiac Arrest: Protocol for a Prospective Multicenter Study.

Research Symposium, Randers Regional Hospital, October 2025.

The Association between Chest Compression Pause Duration for Ventilations and Ventilation Success during In-Hospital Cardiac Arrest: Protocol for a Prospective Multicenter Study.

8th Annual Research Meeting of IKM, Department of Clinical Medicine, Aarhus University, Faculty of Health, 2025.

Tobias Rygaard Kristiansen, Stud.med., Research Year Student

Perceived Barriers and Facilitators of Implementation of the International Early Warning Score and Clinical Frailty Scale in the Emergency Department (BAFFLED); A Multi-Centre Qualitative Study.

8th Annual Research Meeting of IKM, Department of Clinical Medicine, Aarhus University, Faculty of Health, 2025.

Anna Vang Østergård, Stud.med.

Association between barriers of resuscitation and chest compression quality metrics during in-hospital cardiac arrest resuscitation attempts.

Research Symposium, Randers Regional Hospital, October 2025.

Association between barriers of resuscitation and chest compression quality metrics during in-hospital cardiac arrest resuscitation attempts.

ERC Congress, Resuscitation 2025, Rotterdam, the Netherlands, October 2025.

10. International collaborations

Bas de Groot, MD, PhD, Professor

- Drs. Wouter Raven and Nicoline Meijs, MSc. Department of Emergency Medicine, Leiden University Medical Centre, Leiden, the Netherlands.
- Dr. Bart Candel, PhD, Department of Emergency Medicine, Maxima Medical Centre, Veldhoven, Netherlands.
- Dr. Jorgos Alexandridos, Department of Emergency Medicine, Catharina Wilhelmina Ziekenhuis, Nijmegen.

- Prof.dr. Amith Shetty. Department of Emergency Medicine, Westmead Hospital, Sydney, New South Wales, Australia.
- Dr. Menno Gaakeer. Department of Emergency Medicine, ADRZ Hospital, Goes.
- Wendy Thijssen. Department of Emergency Medicine, Catharina Hospital, Eindhoven, The Netherlands.
- Heleen Lameijer. Department of Emergency Medicine, Medical Center Leeuwarden, the Netherlands.
- Michella Moscova, associate professor. Department of Emergency Medicine, University of New South Wales, Sydney, New South Wales, Australia.
- Prof. dr. Timothy Coats Leicester, United Kingdom.
- Prof. dr. Simon Conroy London, United Kingdom.
- Dr. Pieter Heeren Leuven, Belgium.
- Dr. Stephen Lim United Kingdom.
- Dr. Jacinta Lucke Winterswijk, Netherlands.
- Prof. dr. Simon Mooijaart Leiden, Netherlands.
- Prof. dr. Christian H Nickel Basel (Switzerland).
- Dr Rose Penfold, United Kingdom.
- Prof. dr. Katrin Singler Berlin (Germany).
- Dr. James D. van Oppen, Leicester, United Kingdom.
- Drs. Dorothee Riedlinger, Berlin, Germany.
- Prof. dr. Michael Beil, Scotland, Department of Medicine, NHS Highland (ESICM HSRO Section). Inverness, UK.

Marianne Lisby, RN, MHSc, PhD, Associate Professor and Research Director

- Professor Helga Bragadóttir, University of Reykjavik, Iceland.
- Professor Ingibjörk Hjaltadóttir, University of Reykjavik, Iceland.
- Associate Professor Ann-Charlotte Falk, Karolinska University, Sweden.
- Dr. Med. Carolyn Nymark, Karolinska University, Sweden.
- Associate Professor Ann-Christin von Vogelsang, Karolinska University, Sweden.
- Lena Berg, MD, PhD, Dalarna University, Sweden.
- Professor Beate André, Norwegian University of Science and Technology, Norway.
- Professor Kjersti Grønning, Norwegian University of Science and Technology, Norway.
- Associate Professor Katarina Göransson, Dalarna University, Sweden.
- Professor Jonathan Drennan, University College Cork, Ireland.
- Professor Julie Considine, Deakin University, Australia.
- Professor Kate Curtis, University of Sydney, Australia.

- Associate Professor Patricia Dykes, Harvard Medical School and Brigham and Women's Hospital, Boston, MA, USA.
 - Professor David W. Bates, Harvard Medical School and Brigham and Women's Hospital, Boston, MA, USA.
 - Assistant Professor Ronen Rozenblum, Harvard Medical School and Brigham and Women's Hospital, Boston, MA, USA.
 - Professor Li Zhou, Harvard Medical School and Brigham and Women's Hospital, Boston, MA, USA.
 - Professor Daniele Mascia, LUISS Business School, Rome, Italy.
 - Associate Professor Fausto Di Vincenzo, University of Pescara, Abruzzo, Italy.
 - Tiziano Volpentesta, PhD, LUISS Business School, Rome, Italy.
-

Claus Sixtus Jensen, RN, MHSc, Associate Professor

- Professor Lucy Bray, RN, BA, MSc, PhD, Professor of Child Health Literacy, Faculty of Health, Social Care and Medicine, Edge Hill University, United Kingdom.
-

Jesper Weile, MD, PhD, Associate Professor

- Andrew Liteplo, MD, Chief of the Division of Emergency Ultrasound, Massachusetts General Hospital, and Associate Professor of Emergency Medicine, Harvard Medical School, USA.
-

Kasper Glerup Lauridsen, MD, PhD, Associate Professor

- Professor Adam Cheng, University of Calgary, Canada.
 - Professor Robert Greif, University of Bern, Switzerland.
 - Professor Vinay Nadkarni, University of Pennsylvania, USA.
 - Associate Professor Aaron Donoghue, Children's Hospital of Philadelphia, USA.
 - Professor Therese Djärv, Karolinska Institutet, Sweden.
-

Hanne Mainz, RN, MHSc, PhD, Senior Researcher, Postdoc

- The International Learning Collaborative.
- Professor Helga Bragadóttir, University of Reykjavik, Iceland (M
- Professor Ingibjörk Hjaltadóttir, University of Reykjavik, Iceland.
- Associate Professor Ann-Charlotte Falk, Karolinska University, Sweden.
- Dr. Med. Carolyn Nymark, Karolinska University, Sweden.
- Associate Professor Ann-Christin von Vogelsang, Karolinska University, Sweden.
- Lena Berg, MD, PhD, Dalarna University, Sweden.
- Professor Beate André, Norwegian University of Science and Technology, Norway.
- Professor Kjersti Grønning, Norwegian University of Science and Technology, Norway.
- Associate Professor Katarina Göransson, Dalarna University, Sweden

Gitte Boier Tygesen, RN, MHSc, PhD, Researcher

- Professor Daniele Mascia, Organization and Human Resource Management, LUISS Guido Carli University, Rome, Italy.
- Associate Professor Fausto Di Vincenzo, Organization Studies, University “G. d’Annunzio” of Chieti-Pescara, Italy.
- Tiziano Volpentesta, Postdoc, LUISS Guido Carli University, Rome, Italy.
- Associate Professor Katarina Göransson, Dalarna University, Sweden.
- Professor Kate Curtis, University of Sydney, Australia.
- Professor Julie Considine, Deakin University, Australia.

Karen Vestergaard Andersen, RN, PhD, Clinical Specialist, Researcher

- Professor Helga Bragadóttir, University of Reykjavik, Iceland.
- Professor Ingibjörk Hjaltadóttir, University of Reykjavik, Iceland.
- Associate Professor Ann-Charlotte Falk, Karolinska University, Sweden.
- Dr. Med. Carolyn Nymark, Karolinska University, Sweden.
- Associate Professor Ann-Christin von Vogelsang, Karolinska University, Sweden.
- Lena Berg, MD, PhD, Dalarna University, Sweden.
- Professor Beate André, Norwegian University of Science and Technology, Norway.
- Professor Kjersti Grønning, Norwegian University of Science and Technology, Norway.
- Associate Professor Katarina Göransson, Dalarna University, Sweden.

Stig Holm Ovesen, MD, PhD

- Professor Irene Ma, Department of Medicine, University of Calgary, Cummings School of Medicine, Calgary, Canada.
- Associate Professor Francesco Corradi, University of Pisa, Italy.
- Giada Cucciolini, MD, Departmental Structure of Neuroanesthesia and Intensive Care, Azienda Ospedaliero-Universitaria Pisana, Pisa, Italy.

Sandra Thun Langsted, MD, PhD Fellow

- Ben Bloom, Consultant Emergency Physician, Royal London Hospital, Barts Health NHS Trust, United Kingdom.

Nanna Fauerholdt Skov, RN, MHSc, PhD Fellow

- Professor Julie Considine, Deakin University, Australia.
- Associate Professor Katarina E. Göransson, Dalarna University, Sweden.

Johannes Wittig, MD, PhD Fellow

- Simon Orlob, MD, Department of Anesthesia and Intensive Care, Medical University of Innsbruck, Tyrol, Austria; Institute for Emergency Medicine, University of Schleswig-Holstein, Germany; and Medical University of Graz, Austria.
 - Professor Eirik Skogvoll, MD, PhD, Clinic of Anesthesia and Intensive Care, St. Olav's Hospital, Trondheim University Hospital, and Department of Circulation and Clinical Imaging, Norwegian University of Science and Technology, Norway.
 - Professor Robert Greif, MD, MME, Faculty of Medicine, University of Bern, Switzerland.
 - Professor Gavin D. Perkins, MBE, DSc, FMedSci, Warwick Clinical Trials Unit, Warwick Medical School, University of Warwick, United Kingdom.
 - Bernhard Kowalski, MD, Medical University of Graz, Austria.
-

Kasper Forslund Hoberg von Benzon, MHSc, PhD Fellow

- James van Oppen, FRCER, MRCP, PhD, School of Medicine and Population Health, University of Sheffield, United Kingdom.

Ronja Leth, MD, PhD Fellow

- Andrew Liteplo, MD, Associate Professor, Massachusetts General Hospital and Harvard Medical School, USA.

Tobias Rygaard Kristiansen, Stud.med., Research Year Student

- Ancor Sanz Garcia, Professor, Faculty of Health Sciences, Universidad de Castilla-La Mancha, Talavera de la Reina, Spain
- Technological Innovation Applied to Health Research Group, Faculty of Health Sciences, Universidad de Castilla-La Mancha, Spain
- Health Care Evaluation Research Group, Instituto de Investigación Sanitaria de Castilla-La Mancha, Toledo, Spain.

Anna Vang Østergård, Stud.med.

- Moritz Nettinger, Research Center for Emergency Medicine, Aarhus University Hospital, Denmark, and Paracelsus Medical University, Salzburg, Austria.
- Sune D. Müller, Department of Informatics, University of Oslo, Norway.
- Vinay M. Nadkarni, Department of Anaesthesiology and Critical Care Medicine, Children's Hospital of Philadelphia, University of Pennsylvania Perelman School of Medicine, Philadelphia, USA.

11. Academic review committee assessments

Marianne Lisby, RN, MHSc, PhD, Associate Professor and Research Director

- Chairperson: Assessment committee, PhD: Mette Amalie Nebsbjerg: From voice to vision: Exploring the potential value of video triage in out-of-hours primary care

- Chairperson: Assessment committee, PhD Christian Hauerdaahl Jentz: Cross-sectoral collaboration on improving somatic health in forensic psychiatric patients in the Central Denmark Region

Kasper Glerup Lauridsen, MD, PhD, Associate Professor

- PhD Defence, Trondheim, Norway, 1st opponent. Eirik Unneland. Cardiac Arrest: Expanding on the Knowledge of Advanced Life Support. April 2025.
- PhD Defence, Aalborg University, opponent. Nour Al-Hussainy. Direct oral anticoagulants and bleeding risk in patients with atrial fibrillation - with emphasis on concomitant anaemia and recurrent bleeding. January 2025.

Johannes Wittig, MD, PhD Fellow

- Grant reviewer for the ERC Young Investigator Award 2025, European Resuscitation Council, Niel, Belgium, dec 2025.
- Grant reviewer for the ERC/NRC Collaboration Award 2025, European Resuscitation Council, Niel, Belgium, dec 2025
- Judge “Best of the best” oral abstract competition of the European Resuscitation Council Congress, Rotterdam, Netherlands, oct 2025.
- 2025 Abstract reviewer for the European Resuscitation Council Congress, Rotterdam, Netherlands.

12. Grants and funding

The total amount of grants and funding awarded to researchers in RECEM in 2025 was **20.928.351 DKK**.

SGO Fonds

- Bas de Broot, MD, PhD, Professor (**1.230.769 DKK**)

Regional Junior Researcher Grant, Radboudumc

- Bas de Groot, MD, PhD, Professor (**2.153.200 DKK**)

Velux Foundation

- Marianne Lisby, RN, MHSc, PhD, Associate Professor (**5.997.478 DKK**)

Aarhus University Research Foundation (AUFF)

- Marianne Lisby, RN, MHSc, PhD, Associate Professor (**719.000 DKK**)
- Tobias Rygaard Kristiansen, stud.med., Research Year Student (**120.000 DKK**)

Independent Research Fund Denmark (DFF)

- Ronja Leth, MD, PhD Fellow (**2.094.286 DKK**)

Novo Nordisk Foundation, Nursing Research Programme

- Claus Sixtus Jensen, RN, MHSc, Associate Professor (**7.500.000 DKK**)

KEU — Kvalitets- og Efteruddannelsesudvalget (Gødstrup)

- Gitte Boier Tygesen, RN, MHSc, PhD (**225.007 DKK**)

NIDO Forskningsfond, Regionshospitalet Gødstrup

- Gitte Boier Tygesen, RN, MHSc, PhD (**50.000 DKK**)

Danske Regioner

- Gitte Boier Tygesen, RN, MHSc, PhD, (**200.000 DKK**)

Grosserer L. F. Foghts Fond

- Esben Merrild, MD, PhD Fellow (**51.000 DKK**)

Fondsbørsvekselerer Henry Hansen og Hustru Karla Hansens Legat

- Stig Holm Ovesen, MD, PhD (**25.000 DKK**)

Fabrikant Karl G. Andersens Fond

- Anna Sommer Harrits, med.stud., Research Year Student (**25.000 DKK**)

Alfred Benzons Fond

- Dung Nguyen Riis, PhD Fellow (**25.000 DKK**)

Oda and Hans Svenningsens Fond

- Heidi Brinkmann Larsen, Research Year Student (**31.000 DKK**)

Region Midtjyllands Sundhedsvidenskabelige Forskningsfond

- Sara Viskum Leth, MSc in Public Health Science, Pre-PhD Student (**477.876 DKK**)

Scholarship for the 23rd Nordic Congress on Cerebrovascular Diseases

- Line Bilgrav Nisgaard, BScN, MHSc, Pre-PhD Student (**3.735 DKK**)

13. Peer-reviewed publications

1. Alonso E, López-Izquierdo R, Bourke-Matas E, Eichinger M, del Pozo Vegas C, **de Groot B**, de la Torre I, Polonio-López B, Martín-Conty JL, Sanz-García A, Martín-Rodríguez F. Modified Sequential Organ Failure Assessment (mSOFA) score in prehospital critical care to predict short-term mortality: A validation and external revalidation study. *eClinical Medicine*. 2025 Dec 5;90:103674. doi: 10.1016/j.eclinm.2025.103674. PMID: 41438975; PMCID: PMC12721286.
2. Albrechtsen MT, Jørgensen L, Poulsen I, Bruun NH, **Mainz H**, Laugesen B. Missed Nursing Care From the Perspectives of Patients: A Cross-Sectional Study in Denmark. *J Adv Nurs*. 2025 Nov 13. doi: 10.1111/jan.70389. Epub ahead of print. PMID: 41230766.
3. Albrechtsen MT, Jørgensen L, Poulsen I, Shifaza F, Bruun NH, **Mainz H**, Laugesen B. Cross-Cultural Adaptation and Validation of the MISSCARE Survey-Patient-Danish Version. *J Adv Nurs*. 2026 Jun;82(6):6806-6820. doi: 10.1111/jan.70245. Epub 2025 Sep 26. PMID: 41013885; PMCID: PMC13176691.
4. Beil M, Alberto LM, Bourne R, Brummel N, **de Groot B**, de Lange DW, Elbers P, Emmelot-Vonk M, Flaatten H, Freund Y, Galazzi A, Garcia-Martinez A, Guidet B, Holmerova I, Jacobs J, Joynt GM, Leaver S, Leone M, McNicholas B, McWilliams D, Metaxa V, Nickel CH, Poole D, Robba C, Roedl K, Romain M, Rousseau AF, Sviri S, Szczeklik W, Vallet H, van Oppen J, Jung C. Consensus-based recommendations for the management of very old patients in intensive care. *Intensive Care Medicine*. 2025.
5. Bendixen SH, **Ovesen SH**, **Jessen MK**, **Weile J**. Chest X-ray positioning in suspected infection in the emergency department: Patient characteristics and outcome associations. *Danish Journal of Emergency Medicine*. 2025;8(1):5–15. doi: 10.7146/akut.v8i1.141735
6. Bentsen LP, Strøm T, Forberg JL, Tiwald G, Biesenbach P, Kalmríz M, Rasmussen JH, **Raaber N**, Möller S, Løkke M, **Tygesen GB**, Nygaard H, Brok JH, Andersen JW, Bajusz N, Brabrand M. Early initiated noradrenaline versus fluid therapy for hypotension and shock in the emergency department (VASOSHOCK): a protocol for a pragmatic, multi-center, superiority, randomized controlled trial. *Scand J Trauma Resusc Emerg Med*. 2025 Apr 7;33(1):59. doi: 10.1186/s13049-025-01369-4. PMID: 40197397; PMCID: PMC11978030.

7. Bichmann A; Blanchard EE; **Wittig J**; McEwan D; Cooper D; Tannenbaum S; Tofil N; Salas E; Weller J; Schnaubelt S; Paige JT; **Lauridsen KG**. Impact of Team Composition on Learning Outcomes Following Simulation-based Training of Teamwork Competencies: A Systematic Review. *Simul Healthc*. 2025 Aug 1;20(4):259-266. doi: 10.1097/SIH.0000000000000865.
8. Bloom B, Haimovich A, Pott J, Williams SL, Cheetham M, **Langsted S**, Skene I, Astin-Chamberlain R, Thomas SH. Digitalizing English-language CT interpretation for positive haemorrhage evaluation reporting: The DECIPHER study. *BMJ Health Care Inform*. 2025 Jul 25;32(1):e101433. doi: 10.1136/bmjhci-2025-101433. PMID: 40713063; PMCID: PMC12306305.
9. Bourne RS, Alberto L, **de Groot B**, Jung C, Beil M. Understanding barriers and facilitators to implementation of consensus-based recommendations for the management of very old people in intensive care. *Age and Ageing*. 2025 Aug 29;54(9):afaf272. doi: 10.1093/ageing/afaf272. PMID: 41004134.
10. Brock R, Veigl C, Kornfehl A, **Wittig J**, Heider S, Tapinova K, Snijders E, Dunkl S, Grassmann D, Heller B, Krammel M, Schnaubelt S. Chest Compression Synchronized Mechanical Ventilation Modes for Cardiac Arrest; A Scoping Review. *Arch Acad Emerg Med*. 2025 Oct 2;13(1):e73. doi: 10.22037/aaem.v13i1.2782. PMID: 41399337; PMCID: PMC12702506.
11. Cheng A, Drennan IR, **Lauridsen KG**. CPR Quality Data Collection: Building the Foundation for a Cardiac Arrest Quality Improvement Program. *Canadian Journal of Emergency Medicine*. *CJEM*. 2025 Jun;27(6):411-413. doi: 10.1007/s43678-025-00939-w. Nettinger M, Wittig J, Riis DN,
12. Djakow J, Turner NM, Skellett S, Buysse CMP, Cardona F, de Lucas N, del Castillo J, Kiviranta P, **Lauridsen KG**, Markel F, Martinez-Mejias A, Roggen I, Biarent D, for the ERC Paediatric Life Support Writing Group collaborators. European Resuscitation Council Guideline 2025: Paediatric Life Support. *Resuscitation*. 2025 Oct;215 Suppl 1:110767. doi: 10.1016/j.resuscitation.2025.110767.
13. Duvald I, Obel B, Lohse C, **Kirkegaard H**, Burton RM. Organizational resilience in emergency healthcare: Lessons from the COVID-19 pandemic in five Danish hospitals. *Soc Sci Med*. 2025 Feb;366:117728. doi: 10.1016/j.socscimed.2025.117728. Epub 2025 Jan 20. PMID: 39855026.
14. Eikendal T, Prudon N, Kool RB, Jeurissen P, Gaakeer MI, **de Groot B**, van Dulmen SA. Perceptions of workload in emergency care in the Netherlands and how to influence this: a qualitative study. *BMC Emerg Med*. 2025 Sep 2;25(1):178. doi: 10.1186/s12873-025-01334-5. PMID: 40898032; PMCID: PMC12403633.
15. Ek JE, **Wittig J**, Rogers J, Soar J; European Resuscitation Council Advanced Life Support Writing Group. A survey of Advanced Life Support practices in countries implementing

- the European Resuscitation Council guidelines. *Resusc Plus*. 2025 Jul 15;25:101032. doi: 10.1016/j.resplu.2025.101032. PMID: 40777887; PMCID: PMC12329084.
16. Evald L, Skrifvars MB, Virta JJ, Tiainen M, Laitio T, Leithner C, Søreide E, Hassager C, Rasmussen B, Grejs AM, Jeppesen AN, **Kirkegaard H**, Nielsen JF. Long-term functional outcome and quality of life 5-8 years after out of hospital cardiac arrest. *Resuscitation*. 2025 Oct;215:110672. doi: 10.1016/j.resuscitation.2025.110672. Epub 2025 Jun 9. PMID: 40499675.
17. Greif R, Cheng A, Abelairas-Gómez C, Allan KS, Breckwoldt J, Cortegiani A, Donoghue AJ, Eastwood KJ, Farquharson B, Hsieh MJ, Kidd T, Ko YC, **Lauridsen KG**, Lin Y, Lockey AS, Matsuyama T, Nabecker S, Nation KJ, Olaussen A, Schnaubelt S, Sawyer T, Yang CW, Yeung J; Education, Implementation, and Teams Task Force Collaborators. Education, Implementation, and Teams: 2025 International Liaison Committee on Resuscitation Consensus on Science with Treatment Recommendations. *Circulation*. 2025 Oct 21;152(16_suppl_1):S205-S249. doi: 10.1161/CIR.0000000000001359.
18. Greif R, Cheng A, Abelairas-Gómez C, Allan KS, Breckwoldt J, Cortegiani A, Donoghue AJ, Eastwood KJ, Farquharson B, Hsieh MJ, Kidd T, Ko YC, **Lauridsen KG**, Lin Y, Lockey AS, Matsuyama T, Nabecker S, Nation KJ, Olaussen A, Schnaubelt S, Sawyer T, Yang CW, Yeung J; Education, Implementation, and Teams Task Force Collaborators. Education, Implementation, and Teams: 2025 International Liaison Committee on Resuscitation Consensus on Science with Treatment Recommendations. *Resuscitation*. 2025 Oct;215 Suppl 2:110807. doi: 10.1016/j.resuscitation.2025.110807.
19. Greif R*, **Lauridsen KG***, Djarv T, Eleonora Ek J, Monnelly V, Monsieus KG, Nikolaou N, Olasveengen TM, Semeraro F, Spartinou A, Yeung J, Baldi E, Biarent D, Djakow J, an Gils M, von Goor S, Gräsner JT, Hogeveen M, Karageorgos V, Lott C, Madar J, Nabecker S, de Raad T, Raffay V, Rogers J, Sandroni C, Schnaubelt S, Smyth MA, Soar J, **Wittig J**, Perkins GD, Nolan JP, on behalf of the European Resuscitation Council Guideline 2025 Collaborator Group. Kurzfassung der Leitlinien des European Resuscitation Council 2025. *Notfall und Rettungsmedizin*. 2025 DOI: 10.1007/s10049-025-01642-0
20. Greif R*, **Lauridsen KG***, Djarv T, Eleonora Ek J, Monnelly V, Monsieus KG, Nikolaou N, Olasveengen TM, Semeraro F, Spartinou A, Yeung J, Baldi E, Biarent D, Djakow J, an Gils M, von Goor S, Gräsner JT, Hogeveen M, Karageorgos V, Lott C, Madar J, Nabecker S, de Raad T, Raffay V, Rogers J, Sandroni C, Schnaubelt S, Smyth MA, Soar J, **Wittig J**, Perkins GD, Nolan JP, on behalf of the European Resuscitation Council Guideline 2025 Collaborator Group. European Resuscitation Council Guidelines 2025 – Executive summary. *Resuscitation*. 2025 Oct;215 Suppl 1:110770. doi: 10.1016/j.resuscitation.2025.110770. *Shared first authorship.
21. **Gull KH, Lisby M, Leth SV, Galili SF**. Time from pain assessment to opioid treatment in the Danish emergency departments-A multicenter cohort study. *Acta Anaesthesiol Scand*. 2025 Jan;69(1). doi: 10.1111/aas.14544. PMID: 39508070.

22. **Hansen KW, Kierkegaard H, Leth SV, Lisby M.** Mortality in Patients With Pulmonary Embolism in Danish Emergency Departments Before and During the COVID-19 Pandemic: A Multicenter Retrospective Cohort Study. *Acta Anaesthesiol Scand.* 2025 Sep;69(8):e70099. doi: 10.1111/aas.70099. PMID: 40828519.
23. Heimburg K, Nordström EB, Friberg H, Oestergaard LG, Grejs AM, Keeble TR, **Kirkegaard H**, Mion M, Nielsen N, Rylander C, Segerström M, Tornberg ÅB, Ullén S, Undén J, Wise MP, Cronberg T, Lilja G. Comparison of self-reported physical activity between survivors of out-of-hospital cardiac arrest and patients with myocardial infarction without cardiac arrest: a case-control study, *European Journal of Cardiovascular Nursing*, Volume 24, Issue 5, July 2025, Pages 700–709, <https://doi.org/10.1093/eurjcn/zvaf032>
24. Hägglund HL, Cazorla-Calderón S, Braekman E, Alenazi A, **Lauridsen KG.** The Art of Conducting a Good Pilot Study: A Discussion of the BETA-ARREST Pilot Trial. *Resuscitation Plus.* 2025 Oct 22;26:101125. doi: 10.1016/j.resplu.2025.101125.
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