

Annmarie Touborg Lassen
Emergency Medicine

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Education and academic background

2011-	Professor in Emergency Medicine, Institute of Clinical Research, University of Southern Denmark
2010-	Consultant and research leader at the Department of Emergency Medicine, Odense University Hospital
2008	Specialist in Internal Medicine: Infectious medicine
2007	Specialist in Infectious medicine
2007	Doctoral thesis "Acid related disorders and use of antisecretory medication". The Faculty of Health, University of Southern Denmark
2006	Diploma in Tropical Medicine. The London School of Hygiene and Tropical Medicine, University of London
2001	PhD thesis "Helicobacter pylori eradication in management of dyspepsia". The Faculty of Health, University of Southern Denmark
1989	University of Aarhus. Cand.med.

Research Areas

Evaluation of diagnostic procedures and clinical guidelines, mixed methods studies. Clinical epidemiology, combination of clinical information with information from population based registers. Identification and treatment of patients at risk. Severe infections. Shock. Bacteremia. Public health. Cohort studies, case control studies, randomized studies.

Academic results

I have been one of the driving forces in developing an emergency medicine research unit, network and collaboration with center in Region of Southern Denmark. In the collaboration there has been focus in strengthening of senior researchers and their development to now three new appointed professors in prehospital and emergency medicine as well as education of young researchers (primarily as phd students). The network is actively collaborating with Emergency Medicine researchers in the rest of Denmark, Scandinavia, Europe, Boston, and Hong Kong.

PhD degree defended and approved, main supervisor

2018	Patient at risk
2017	Physician administered pre-hospital emergency care
2016	Hypotension and Shock in the Emergency Ward. A 17 year population based follow-up study
2015	Vertebral osteomyelitis. Two population-based cohort studies
2014	SIRS and sepsis among acute medical patients

PhD degree defended and approved, co-supervisor

2018	The elder acute medical patient. Clinical characteristics and feasibility of a Hospital at home supported technology
2017	Anaphylaxis Prevalence in Odense: Treatment and Elicitors in Children and Adults (APOTECA)
2017	Metformin-induced lactate acidosis in Denmark – Prevalence/incidence and prediction through genotyping
2017	Patients with non-cardiac chest pain – risk stratification and prognosis
2015	Hospital (nosokomial) acquired bacteremia, – epidemiology and prognosis
2018	Stopping acid inhibitory drugs among long term users in primary care

Ongoing PhD studies, main supervisor

Shock and organ failure among adult patients in the Emergency Department – treatment, target points, incidence, etiology and prognosis. A hospital based cohort study at Odense University Hospital 2012-2015.

The prognostic and clinical value of monitoring the acutely dyspneic patient with serial ultrasound of the lungs and inferior vena cava

Ongoing PhD studies, co-supervisor

Ultrasound-scanning of hypotensive patients in acute care

The very old patient's perspective: Important factors at end-of-life, treatment preferences and stability of those

Prehospital measurements of blood lactate for identification and early treatment of critically ill patients

Decision making in Cardiac Arrest: The Ethics of Resuscitation

Project leadership

Established the research collaboration between emergency medicine and the prehospital setting in Odense Municipality

Established the research collaboration and database covering all contacts to Emergency Departments in the Region of Southern Denmark. Started 2010

Established the DORIS research collaboration and database covering all patients with blood cultures at Funen 2008-2011.

Established the EXPECT research collaboration and database covering all patients with performed electrocardiograms in the Emergency Departments at Odense University Hospital, Sydvestjysk Sygehus, Esbjerg, Department of Emergency Medicine, Helsingborg Sweden and Department of Emergency Medicine Lund, Sweden.

Leader in the national quality database covering all acute in-hospital contacts in Denmark. Started 2014.

International Collaboration

Professor in Emergency Medicine Ulf Ekelund, Skåne University Hospital, Lund.

Professor in emergency medicine Lisa Kurland Örebro University Sweden.

Associated professor Nathan Shapiro, Consultant at Department of Emergency Medicine Beth Israel Deaconess Medical Center, Boston, Harvard University.

Associate professor Mike Donino Department of Emergency Medicine Beth Israel Deaconess Medical Center, Boston, Harvard University.

Selected Publications

Qualitative research in emergency medicine, closing the implementation gap

Sabbe, M., Lassen, A. & De Groot, B., 1. Jun 2025, In: European Journal of Emergency Medicine. 32, 3, p. 151-152

Reorganization of the Danish out-of-hours primary care - a descriptive study

Søvsø, M. B., Thomsen, J. L., Frischknecht Christensen, E., Iversen, K. K., Folke, F., Mogensen, C. B., Lassen, A., Søndergaard, J., Christensen, H. C., Elkjær, M., Heltberg, A. S., Væggemose, U., Mikkelsen, S., Andersen, L. B., Gude, M. F., Gehrt, T. B., Zakariassen, E. & Huibers, L., 20. Apr 2025, (E-pub ahead of print) In: Scandinavian Journal of Primary Health Care. p. 1-10 10 p.

Potential interactions of community-based acute care teams on the frequency of acute contacts with health-care systems: an interrupted time series analysis

Udesen, S. E. J., Lassen, A. T., Søndergaard, J., Andersen, N., Mikkelsen, S. & Bogh, S. B., Apr 2025, In: The Lancet Healthy Longevity.

Status of Sepsis Care in European Hospitals Results from an International Cross-Sectional Survey

Scheer, C. S., Giamarellos-Bourboulis, E. J., Ferrer, R., Idelevich, E. A., Annane, D., Artigas, A., Aslan, A. T., Bottari, G., Bouma, H. R., Černý, V., Radivojević, R. C., Dakou, K., Dewitte, K., Elbahnasawy, M., Gründling, M., Gurjar, M., Hästbacka, J., Kyprianou, M., Laribi, S. & Lassen, A. & 17 others, Lebedinskii, K., Máca, J., Malbrain, M. L. N. G., Monti, G., Ostermann, M., Osthoff, M., Paiva, J. A., Sabbatucci, M., Śmiechowicz, J., Ștefan, M. G., Vollmer, M., Vuković, N., Zaragoulas, K., Reinhart, K., Linder, A., Filipescu, D. & European Sepsis Care Study Group, Apr 2025, In: American Journal of Respiratory and Critical Care Medicine. 211, 4, p. 587-599

Prehospital Blood Lactate Measurements in Ambulances and Associations with Outcomes: A Cohort Study

Walther, L. H., Christensen, E. F., Lassen, A. T., Mogensen, C. B. & Mikkelsen, S., 20. Mar 2025, (E-pub ahead of print)
In: Prehospital Emergency Care.

Psychological Well-Being Among Nursing Staff in an Emergency Department: A Mixed-Methods Study

Raun, M., Lassen, A. & Østervang, C., Mar 2025, In: Journal of Emergency Nursing. 51, 2, p. 238-248

Development and Validation of a Case-Based Survey Assessing Ethical Decision-Making in Prehospital Resuscitation

Milling, L., Kjær, J., Sørensen, O. B., Möller, S., Hansen, P. M., Binderup, L. G., de Muckadell, C. S., Christensen, E. F., Christensen, H. C., Lassen, A. T., Nielsen, D. & Mikkelsen, S., Feb 2025, In: Healthcare. 13, 3, 11 p., 267.

Arterial pH and short-term mortality in adult non-traumatic acute patients

Christiansen, M. M., Iversen, A. J., Lassen, A. T., Johansen, I. S., Rosenvinge, F. & Arvig, M. D., 1. Jan 2025, In: Danish Medical Journal. 72, 1, 10 p., A06240407.

Compromises in determination of Mycoplasma pneumoniae incidence

Kildegaard, H. & Lassen, A. T., Dec 2024, In: The Lancet Regional Health - Europe. 47, 2 p., 101131.

The use and impact of prehospital blood lactate measurements in acute non-traumatic patients: a systematic review

Walther, L. H., Mieritz, H. B., Lassen, A. T., Christensen, E. F., Mogensen, C. B., Mikkelsen, S. & Brøchner, A. C., Dec 2024, In: Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine. 32, 1, 18 p., 137.

Anaphylaxis: first clinical presentation, subsequent referral practise, and suspected elicitor—an observational study

Gudichsen, J. H., Bækdal, E. A., Jessen, F. B., Lassen, A. T., Bindslev-Jensen, C., Mortz, C. G. & Mikkelsen, S., Oct 2024 , In: Internal and Emergency Medicine. 19, 7, p. 2047-2056

Characteristics and outcomes of emergency department patients across health care systems: an international multicenter cohort study

de Groot, B., Meijs, N. T. C., Moscova, M., Raven, W., Gaakeer, M. I., Thijssen, W. A. M. H., Lameijer, H., Shetty, A. & Lassen, A. T., 27. Sept 2024, In: International Journal of Emergency Medicine. 17, 11 p., 123.

Pathways and transitions for patients admitted to an emergency department after self-harming events

Sandahl, M., Lassen, A. T., Stenager, E. & Østervang, C., Aug 2024, In: International Journal of Mental Health Nursing. 33 , 4, p. 1129-1138

Short-term and long-term stroke risk following SARS-CoV-2 infection in relation to disease severity: a Danish national cohort study

Skov, C. S., Pottsgård, A., Andersen, J. H., Andersen, G. & Lassen, A. T., 16. Jul 2024, In: BMJ Open. 14, 7, 9 p., e083171.

Navigating healthcare systems: A qualitative study on socially marginalised patients' experiences of hospital transition and support by social nurses

Antonsen, L. K., Lassen, A. T., Nielsen, D. & Østervang, C., Jun 2024, In: Scandinavian Journal of Caring Sciences. 38, 2 , p. 387-397

Adherence to adrenaline autoinjector prescriptions in patients with severe food allergy

Svendsen, S. V., Senders, A. S., Oropeza, A. R., Lassen, A., Kjaer, H. F., Bindslev-Jensen, C. & Mortz, C. G., May 2024, In: Clinical and Experimental Allergy. 54, 5, p. 362-365

Prevalence and prognostic value of electrocardiographic abnormalities in hypokalemia: A multicenter cohort study

Kildegaard, H., Brabrand, M., Forberg, J. L., Platonov, P., Lassen, A. T. & Ekelund, U., Apr 2024, In: Journal of Internal Medicine. 295, 4, p. 544-556

Receiving person-centred care in a hospital—A qualitative study of socially marginalised patients' experiences of social nursing

Antonsen, L. K., Lassen, A. T., Nielsen, D. & Østervang, C., Mar 2024, In: Scandinavian Journal of Caring Sciences. 38, 1, p. 220-230

How do sepsis survivors experience life after sepsis? A Danish qualitative study exploring factors of importance

Skov, C. S., Østervang, C., Brabrand, M., Lassen, A. & Nielsen, D. S., 13. Feb 2024, In: BMJ Open. 14, 2, 8 p., e081558.

Ambulance and helicopter response time. Association with patient outcome and illness severity: Protocol of a systematic literature review and meta-analysis

Hansen, P. M., Nielsen, M. S., Rehn, M., Lassen, A. T., Mikkelsen, S., Perner, A. & Brøchner, A. C., Feb 2024, In: Acta Anaesthesiologica Scandinavica. 68, 2, p. 287-296

Prizes

ph.d. stipendie fra OUH

Lassen, A. T. (Recipient), 1. Jun 2010

Tagea Brands Mindelegat

Lassen, A. T. (Recipient), 18. Mar 2013

Projects

Ambulance and Helicopter Response Times in Emergency Medical services. The AHRTEMIS Project

Hansen, P. M. (Project participant), Mikkelsen, S. (Project participant), Brøchner, A. C. (Project participant), Lassen, A. T. (Project participant), Perner, A. (Project participant), Rehn, M. (Project participant) & Nielsen, M. S. (Project participant)
01/07/2023 → 30/06/2026

PDWS: Identifikation af patienter med risiko for forværring i akutmodtagelsen

Schmidt, T. (PI), Wiil, U. K. (Coordinator), Lassen, A. T. (Coordinator) & Brabrand, M. (Coordinator)
01/05/2017 → 30/04/2020

Press clippings

Bent er stabil i den gule gruppe

Schmidt, T. & Lassen, A. T.
18/03/2013
1 item of Media coverage

BLODTRYK

Lassen, A. T.
23/11/2014
1 item of Media coverage

Blodtryk og overlevelse for akutpatienter

Lassen, A. T.
20/09/2014
1 item of Media coverage

Danskernes akademi: Overblik på Danske Akutafdelinger

Lassen, A. T.
14/04/2013
1 Media contribution

Forskning i blodtryk og dødelighed

Lassen, A. T.

07/09/2014

1 item of Media coverage

Forskning i blodtryk og dødelighed

Lassen, A. T.

07/09/2014

1 item of Media coverage

Forskning i blodtryk og dødelighed

Lassen, A. T.

07/09/2014

1 item of Media coverage

Hverdagen er en lang række af mysterier

Lassen, A. T.

18/12/2018

1 Media contribution

Magtlisten 2021 - sådan kårer vi sundhedssektorens mest MAGTFULDE

Lassen, A. T.

17/09/2021

1 Media contribution

Magtlisten 2022 - sådan kårer vi sundhedssektorens mest magtfulde

Lassen, A. T.

16/09/2022

1 Media contribution

MAGTPANELET

Lassen, A. T.

17/09/2021

1 Media contribution

Medicinstudiet mellem akademiet og klinikken

Lassen, A. T.

12/10/2015

1 item of Media coverage

Ny forskning hjælper akut syge

Lassen, A. T.

18/03/2013

1 Media contribution

Potentialet er grænseløst

Lassen, A. T.

12/09/2016

1 item of Media coverage

Sådan kårer vi sundhedssektorens mest magtfulde 2021

Lassen, A. T.

14/09/2021

1 Media contribution

Topstyringen af pandemien slår igennem på årets magtliste

Lassen, A. T.

17/09/2021

1 Media contribution