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 osetomyelitis. 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 caracteristics and feasibility of a Hospital at home supported tecnology
2017	Anaphylaxis Prevalence in Odense: Treatment and Elicitors in Children and Adults (APOTECA)
2017	Metformin-induced lactate acidosis in Denmark – Prevalence/indicence and prediction through genotyping
2017	Patients with non-cardiac chest pain – risk stratification and prognosis
2015	Hospital (nosokomiel) acquired bacteremia, – epidemiology and prognosis
2008	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

Ultralydsscanning af hypotensive patienter i akut-modtagelsen

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 electocardiograms in the Emergency Departments at Odense University Hospital, Sydvestjysk Sygehus, Esbjerg, Department of Emergency Medicine, Helsingborg Sweden and Department of Emergency Medicine Lund, Sweeden.

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

International Colaboration

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

Professor in emergency Medicine Lisa Kurland Orebro 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

Non-conveyance of prehospital patients in Denmark a descriptive study of current practices
Kondrup, S., Hansen, B. K., Biesenbach, P., Wolthers, S. A., Christensen, H. C., Damm-Hejmdal, A., Lyngby, R. M., Gram, J. K. B., Søvsø, M. B., Gehrt, T. B., Rasmussen, H. M., Poulsen, T. S., Christensen, A. F., Lassen, A. T., Mikkelsen, S. & Wittrock, D., 3. nov. 2026, (E-pub ahead of print) I: BMC Health Services Research.

Healthcare professionals' experiences of implementing paramedic-staffed prehospital assessment units in acute care: a mixed-methods study
Rasmussen, H. M., Løkke, A., Biesenbach, P., Lassen, A., Christensen, A. F., Hoffmann, E., Mikkelsen, S. & Elkjaer, M., 1. okt. 2026, (E-pub ahead of print) I: BMC Health Services Research.

Prehospital airway and ventilatory management: a collaborative and narrative review
Vieux, T., Marjanovic, N., Ward A. Maia, I., Boyaci Dundar, N., Mikkelsen, S., Lassen, A., Dominguez Bencomo, A. I., Xu, J., Landoni, G., Robinson, A. & Freund, Y., sep. 2026, I: Intensive Care Medicine. 52, 9, s. 1853-1865

The Systemic Lottery - A Field Observational Study on the Detection and Management of Acute Events in Care Homes
Rudebeck, T. L., Nielsen, D., Lassen, A. T., Andersen, D. & Østervang, C., sep. 2026, I: Scandinavian Journal of Caring Sciences. 40, 3, e70315.

Use of Coercion or Persuasion in Prehospital Treatment in the Region of Southern Denmark: A Retrospective Study
Vobbe, S. H., Bruun, H., Brøchner, A. C., Lassen, A. T., Lindskou, T. A., Kløjgård, T. A., Düring, S. W. & Mikkelsen, S., sep. 2026, I: Acta Anaesthesiologica Scandinavica. 70, 8, 8 s., e70317.

Socioeconomic disparities and mortality among acute patients with sepsis: a retrospective Danish cohort study
Schade Skov, C., Brabrand, M., de Groot, B., Rosenvinge, F. S., Skjøt-Arkil, H., Mogensen, C. B., Johansen, I. S. & Lassen, A. T., maj 2026, I: BMJ Open. 16, 5, 11 s., e112451.

Tokyo Guidelines' performance in predicting acute cholangitis among emergency department patients
Riis, A. K., Willumsen, C. S., Lassen, A. T., Rosenvinge, F. S., Johansen, I. S., Mogensen, C. B. & Laursen, S. B., 1. apr. 2026, I: Danish Medical Journal. 73, 4, 9 s., A09250722.

Blood culture practices and microbiological capacity for sepsis diagnostics in Europe (2021–2022): a cross-sectional analysis of the European Sepsis Care Survey
Scheer, C. S., Giamarellos-Bourboulis, E. J., Annane, D., Artigas, A., Tarik Aslan, A., Bottari, G., Bouma, H. R., Černý, V., Curić Radivojević, R., Dewitte, K., Filipescu, D., Gründling, M., Hästbacka, J., Laribi, S., Lassen, A., Lebedinskii, K., Linder, A., Máca, J., Malbrain, M. L. N. G. & Monti, G. & 12 flere, Ostermann, M., Osthoff, M., Paiva, J. A., Sabbatucci, M., Śmiechowicz, J., Ştefan, M. G., Vollmer, M., Vuković, N., Zaragkoulias, K., Reinhart, K., Ferrer, R. & Idelevich, E. A., mar. 2026, I: The Lancet Regional Health - Europe. 62, 15 s., 101570.

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., mar. 2026, I: Prehospital Emergency Care. 30, 2, s. 275-283

Relational coordination among healthcare professionals in acute care: a mixed-methods study of tasks involving prehospital assessment units
Rasmussen, H. M., Løkke, A., Biesenbach, P., Lassen, A., Christensen, A. F., Hoffmann, E., Mikkelsen, S. & Elkjaer, M., mar. 2026, I: BMC Health Services Research. 26, 14 s., 324.

Clinical Frailty Scale scores of older patients admitted to an emergency department
Antonsen, L. K., Abrahamsen, C., Kristensen, M. R., Lassen, A. T., Brabrand, M., Laugesen, L. E., Klinting, F. P., Orbesen, D. K. & Østervang, C., 19. feb. 2026, I: Danish Medical Journal. 73, 3, A03250170.

Epidemiology and outcomes of urosepsis among admitted patients with urinary tract infections in Danish Emergency Departments: a retrospective cohort study
Østergaard, N. H., Rosbach, K., Lassen, A. T., Mogensen, C. B., Skjøt-Arkil, H., Rosenvinge, F. S., Johansen, I. S. & Madsen, L. W., 2026, (E-pub ahead of print) I: Infectious Diseases.

Municipal intermediate care services in Denmark and Norway: a cross-country comparative analysis
Udesen, S. E. J., Sogstad, M. K. R., Veenstra, M., Lassen, A. T. & Skinner, M. S., 2026, I: Scandinavian Journal of Primary Health Care. 44, 1, 19 s., 2644949.

Incidence and outcomes of patients admitted to emergency departments with urinary tract infections in Denmark: a retrospective cohort study
Schütt, I. C., Hansen, G. E., Koch-Pedersen, A., Lassen, A., Rosenvinge, F. S., Backer Mogensen, C., Skjøt-Arkil, H., Wulff Madsen, L. & Johansen, I. S., dec. 2025, I: Annals of Medicine. 57, 1, 2546059.

Association of ambulance and helicopter response times with patient survival: A systematic literature review and meta-analysis
Hansen, P. M., Nielsen, M. S., Rehn, M., Lassen, A., Perner, A., Mikkelsen, S. & Brøchner, A. C., 17. nov. 2025, I: PLOS ONE. 20, 11, 15 s., e0335665.

Current sepsis management practices in European emergency departments: the ISG-emergency department European Survey
Bolanaki, M., Kurland, L., Brabrand, M., Daniels, R., Govender, K., Hanses, F., Innocenti, F., Lassen, A., Martin-Loeches, I. & Möckel, M., 1. okt. 2025, I: European Journal of Emergency Medicine. 32, 5, s. 368-376 1255.

Epidemiology of erysipelas and necrotising soft tissue infections
Rosengaard Tang, A. H., Lassen, A. T., Skjøt-Arkil, H., Johansen, I. S., Rosenvinge, F. S. & Dan Arvig, M., 1. sep. 2025, I: Danish Medical Journal. 72, 9, 10 s., A02250077.

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., sep. 2025, I: Scandinavian Journal of Primary Health Care. 43, 3, s. 639-648

The Wall of Stigma-A Qualitative Study on the Health Perceptions of Socially Marginalised Patients
Antonsen, L. K., Lassen, A. T., Nielsen, D. & Østervang, C., sep. 2025, I: Scandinavian Journal of Caring Sciences. 39, 3, 8 s., e70091.

Automatic Ejection Fraction Agreement Between Handheld and Midrange Ultrasound Devices
Hamodi, M., Lassen, A. T. & Posth, S., jul. 2025, I: Dansk Tidsskrift for Akutmedicin. 8, 1, s. 64-71 149710.

Prizes

ph.d. stipendie fra OUH
Lassen, A. T. (Modtager), 1. jun. 2010

Tagea Brands Mindelegat
Lassen, A. T. (Modtager), 18. mar. 2013

Projects

AHRTEMIS: Ambulance and Helicopter Response Times in Emergency Medical services.The AHRTEMIS Project
Hansen, P. M. (Projektdeltager), Mikkelsen, S. (Projektdeltager), Brøchner, A. C. (Projektdeltager), Lassen, A. T. (Projektdeltager), Perner, A. (Projektdeltager), Rehn, M. (Projektdeltager) & Nielsen, M. S. (Projektdeltager)
Danish Air Ambulance Research Foundation
01/07/2023 → 30/06/2026

PDWS: Identifikation af patienter med risiko for forværring i akutmodtagelsen
Schmidt, T. (PI), Wiil, U. K. (Koordinator), Lassen, A. T. (Koordinator) & Brabrand, M. (Koordinator)
01/05/2017 → 30/04/2020

Press clippings

Bent er stabil i den gule gruppe
Schmidt, T. & Lassen, A. T.
18/03/2013
1 element af Mediedækning

BLODTRYK
Lassen, A. T.
23/11/2014
1 element af Mediedækning

Blodtryk og overlevelse for akutpatienter
Lassen, A. T.
20/09/2014
1 element af Mediedækning

Danskernes akademi: Overblik på Danske Akutafdelinger
Lassen, A. T.
14/04/2013
1 Mediebidrag

Forskning i blodtryk og dødelighed
Lassen, A. T.
07/09/2014
3 elementer af Mediedækning

Hverdagen er en lang række af mysterier
Lassen, A. T.
18/12/2018
1 Mediebidrag

Magtlisten 2021 - sådan kårer vi sundhedssektorens mest MAGTFULDE
Lassen, A. T.
17/09/2021
1 Mediebidrag

Magtlisten 2022 - sådan kårer vi sundhedssektorens mest magtfulde
Lassen, A. T.
16/09/2022
1 Mediebidrag

MAGTPANELET
Lassen, A. T.
17/09/2021
1 Mediebidrag

Medicinstudiet mellem akademiet og klinikken
Lassen, A. T.
12/10/2015
1 element af Mediedækning

Ny forskning hjæper akut syge
Lassen, A. T.
18/03/2013
1 Mediebidrag

Potentialet er grænseløst
Lassen, A. T.
12/09/2016
1 element af Mediedækning

Sådan kårer vi sundhedssektorens mest magtfulde 2021
Lassen, A. T.
14/09/2021
1 Mediebidrag

Topstyringen af pandemien slår igennem på årets magtliste
Lassen, A. T.
17/09/2021
1 Mediebidrag