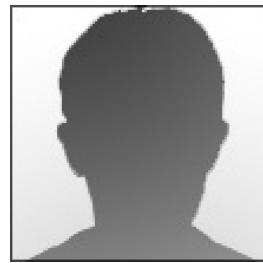


Søren Mikkelsen  
Clinical Associate Professor  
Acute Medicine  
Postal address:  
Dept. of Anaesthesiology and Intensiv Care  
5000 Odense C  
Denmark  
Email: soeren.mikkelsen@rsyd.dk



## Employment

### Clinical Professor

IRS - Prehospital area  
University of Southern Denmark  
1. Oct 2018 → 30. Sep 2023

### Chief Physician

KI, Anaesthesiology and Intensive Care  
University of Southern Denmark  
1. Sep 2020 → 30. Sep 2023

### Chief Physician

Center for Philosophy of Health  
University of Southern Denmark  
Odense M  
1. Jan 1998 → present

## Research outputs

### Medical evacuations in Greenland in 2018: a descriptive study

Pedersen, H. B., Pedersen, B. B., Biilmann, M., Møller, M., Lohse, N., Vedsted, P. & Mikkelsen, S., Jan 2022, In: International Journal of Circumpolar Health. 81, 1, 11 p., 2014634.

### Post-hypoxic myoclonus status following out-of-hospital cardiac arrest—does it still predict a poor outcome? A retrospective study

Brøchner, A. C., Lindholm, P., Jensen, M. J., Toft, P., Henriksen, F. L., Lassen, J. F. & Mikkelsen, S., Jan 2022, In: Healthcare (Switzerland). 10, 1, 41.

### Transparency in out-of-hospital cardiac arrest resuscitation: decision-making when patients are in the grey area between treatment and futility

Milling, L., Lassen, A. T. & Mikkelsen, S., Dec 2021, In: European journal of emergency medicine : official journal of the European Society for Emergency Medicine. 28, 6, p. 414-415

### Nationwide study on trends in unplanned hospital attendance and deaths during the 7 weeks after the onset of the COVID-19 pandemic in Denmark

Bogh, S. B., Fløjstrup, M., Nissen, S. K., Hanson, S., Bech, M., Johnsen, S. P., Kristensen, M. R., Laugesen, L. E., Søndergaard, J., Folkestad, L., Christensen, E. F., Henriksen, D. P., Hsia, R. Y., Graham, C. A., Lindskou, T. A., Byg, K-E., Søvsø, M. B., Laugesen, H., Hallas, P., Mikkelsen, S. & 4 others, Olsen, K. R., Thygesen, L. C., Gamst-Jensen, H. & Brabrand, M., 18. Nov 2021, In: B M J Quality and Safety. 30, 12, p. 986-995

### The development of emergency medical services benefit score: a European Delphi study

Collaboration Group, Moens, D., Fevang, E., Harve-Rytsälä, H., Jäntti, H., Nurmi, J., Tønsager, K., Rognås, L., Rehn, M., Schober, P., Bredmose, P. P., Hansen, P. M., Temesvari, P., Mikkelsen, S., Lindner, T. W., Hansen, T. M., Nikula, A., Kantanen, A-M., Lindgren, A. E., Salmi, H. & 8 others, Kirjasuo, K., Varpula, M., Reinikainen, M., Paalasmaa, N., Peltoniemi, O., Luoto, T., Lund, V. & Jalkanen, V., 16. Oct 2021, In: Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine. 29, 9 p., 151.

**Emergency Medical Services response levels and subsequent emergency contacts among patients with a history of mental illness in Denmark: a nationwide study**

Mackenhauer, J., Valentin, J. B., Mikkelsen, S., Steinmetz, J., Væggemose, U., Christensen, H. C., Mainz, J., Johnsen, S. P. & Christensen, E. F., 1. Oct 2021, In: European journal of emergency medicine : official journal of the European Society for Emergency Medicine. 28, 5, p. 363-372

**Reliable and valid assessment of procedural skills in resuscitative endovascular balloon occlusion of the aorta**

Engberg, M., Lönn, L., Konge, L., Mikkelsen, S., Hörer, T., Lindgren, H., Søvik, E., Svendsen, M. B., Frendø, M., Taudorf, M. & Russell, L., Oct 2021, In: The Journal of Trauma and Acute Care Surgery. 91, 4, p. 663-671

**Physicians' experiences working in emergency medicine in a rural area in Northern Sweden: a qualitative study**

Setrin Hansen, N. M., Mikkelsen, S., Bruun, H., From, E. & Milling, L., 30. Sep 2021, In: Rural and Remote Health. 21, 3 , p. 6672 11 p., 6672.

**The Great Belt train accident: the emergency medical services response**

Hansen, P. M., Jepsen, S. B., Mikkelsen, S. & Rehn, M., 23. Sep 2021, In: Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine. 29, 14 p., 140.

**Quality of prehospital thoracic ultrasound performed by paramedics**

Pietersen, P. I., Mikkelsen, S., Lassen, A., Helmerik, S., Jørgensen, G., Nadim, G., Christensen, H. M., Wittrock, D. & Laursen, C., 5. Sep 2021, In: European Respiratory Journal. Supplement. 58, suppl 65, OA4341.

**Thrombocytopenia after COVID-19 vaccination**

Kragholm, K., Sessa, M., Mulvad, T., Andersen, M. P., Collatz-Christensen, H., Blomberg, S. N., Lippert, F., Mikkelsen, S. , Leutscher, P., Melgaard, D., Torp-Pedersen, C., Kristensen, S. R., Larsen, T. B. & Sogaard, P., Sep 2021, In: Journal of Autoimmunity. 123, 2 p., 102712.

**Documentation of ethically relevant information in out-of-hospital resuscitation is rare: a Danish nationwide observational study of 16,495 out-of-hospital cardiac arrests**

Danish Cardiac Arrest Registry Group, 30. Jun 2021, In: BMC Medical Ethics. 22, 10 p., 82.

**Assessment of a quality improvement programme to improve telephone dispatchers' accuracy in identifying out-of-hospital cardiac arrest**

Gram, K. H., Præst, M., Laulund, O. & Mikkelsen, S., Jun 2021, In: Resuscitation Plus. 6, 10 p., 100096.

**Det præhospitalte beredskab er en vigtig del af organdonation i Danmark.**

Milling, L., Brøchner, A. C., Rosenlund, C. & Mikkelsen, S., May 2021, In: Ugeskrift for Laeger. 183, 10, p. 998-999

**Prehospital Antibiotic Therapy preceded by Blood Cultures in a Physician-manned Mobile Emergency Care Unit**

Mikkelsen, V. S., Gregers, M. C. T., Justesen, U. S., Schierbeck, J. & Mikkelsen, S., Apr 2021, In: Acta Anaesthesiologica Scandinavica. 65, 4, p. 540-548

**Prehospital emergency medical technicians can perform ultrasonography and blood analysis in prehospital evaluation of patients with chronic obstructive pulmonary disease: a feasibility study**

Nadim, G., Laursen, C. B., Pietersen, P. I., Wittrock, D., Sørensen, M. K., Nielsen, L. B., Rasmussen, C-H., Christensen, H. M., Helmerik, S., Jørgensen, G., Titlestad, I. L., Lassen, A. T. & Mikkelsen, S., 31. Mar 2021, In: BMC Health Services Research. 21, 12 p., 290.

**Quality of focused thoracic ultrasound performed by emergency medical technicians and paramedics in a prehospital setting: a feasibility study**

Pietersen, P. I., Mikkelsen, S., Lassen, A. T., Helmerik, S., Jørgensen, G., Nadim, G., Christensen, H. M., Wittrock, D. & Laursen, C. B., 25. Feb 2021, In: Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine. 29, 40.

**Brug af mekanisk hjertemassage ved hjertestop uden for hospital**

Milling, L., Linde, L., Brøchner, A. C., Flensted Lassen, J. & Mikkelsen, S., Feb 2021, In: Ugeskrift for Laeger. 183, 4, 11 p., V0200273.

**Etiske Udfordringer i præhospital enhed**

Bruun, H., Huniche, L. & Mikkelsen, S., 2021.

**Response time of emergency vehicles may be predicted using ordinary gps estimates**

Højgaard, H. F., Mikkelsen, J., Zegers, F. & Mikkelsen, S., 1. Dec 2020, In: Danish Medical Journal. 67, 12, 10 p., A02200118.

**The Danish prehospital system**

Mikkelsen, S. & Lassen, A. T., Dec 2020, In: European journal of emergency medicine : official journal of the European Society for Emergency Medicine. 27, 6, p. 394-395

**Patients' perspectives on point-of-care diagnostics and treatment by emergency medical technicians in acute COPD exacerbations - a Qualitative study**

Christensen, H. M., Laursen, C. B., Wittrock, D., Nadim, G., Jørgensen, G., Nielsen, L. B., Sørensen, M. K., Heerema, C., Titlestad, I. L., Lassen, A. T. & Mikkelsen, S., 7. Sep 2020, In: European Respiratory Journal. 56, Suppl. 64, 5171.

**Physician staffed emergency medical service for children: a retrospective population-based registry cohort study in Odense region, Southern Denmark**

Overgaard, M. F., Heino, A., Andersen, S. A., Thomas, O., Holmén, J. & Mikkelsen, S., 13. Aug 2020, In: BMJ Open. 10, 8 , 6 p., e037567.

**Ketamine as an Anesthetic for Patients with Acute Brain Injury: A Systematic Review**

Gregers, M. C. T., Mikkelsen, S., Lindvig, K. P. & Brøchner, A. C., Aug 2020, In: Neurocritical Care. 33, 1, p. 273-282

**Predicting outcome for ambulance patients with dyspnea: a prospective cohort study**

Lindskou, T. A., Lübcke, K., Kløjgaard, T. A., Laursen, B. S., Mikkelsen, S., Weinreich, U. M. & Christensen, E. F., Jun 2020, In: Journal of the American College of Emergency Physicians open. 1, 3, p. 163-172

**Does the "Morning Morality Effect" Apply to Prehospital Anaesthesiologists? An Investigation Into Diurnal Changes in Ethical Behaviour**

Brøchner, A. C., Binderup, L. G., Schaffalitzky, C. & Mikkelsen, S., 16. Apr 2020, In: Healthcare. 8, 2, 14 p., 101.

**Patient experience of severe acute dyspnoea and relief during treatment in ambulances: a prospective observational study**

Lindskou, T. A., Weinreich, U. M., Lübcke, K., Kløjgaard, T. A., Laursen, B. S., Mikkelsen, S. & Christensen, E. F., 3. Apr 2020, In: Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine. 28, 10 p., 24.

**Characteristics of mechanical CPR-related injuries: A case series**

Milling, L., Mikkelsen, S. & Astrup, B. S., Feb 2020, In: Journal of Forensic and Legal Medicine. 70, 101918.

**An investigation into telephone dispatchers accuracy in identifying out-of-hospital cardiac arrest**

Gram, K. H., Præst, M., Laulund, O. & Mikkelsen, S., 2020, In: Resuscitation. 155, Suppl. 1, p. S6-S7 FPS9.

**Patients' perspectives on point-of-care diagnostics and treatment by emergency medical technicians in acute COPD exacerbations - a Qualitative study**

Christensen, H. M., Laursen, C. B., Wittrock, D., Nadim, G., Jørgensen, G., Nielsen, L. B., Sørensen, M., Heerema, C. L., Titlestad, I. L., Lassen, A. T. & Mikkelsen, S., 2020.

**Accuracy of judgment of urgency as perceived by emergency medical dispatch centres in Denmark- a quality assurance study**

Klesse, T., Krog, J. & Mikkelsen, S., Sep 2019, In: Resuscitation. 142, Suppl. 1, p. e75 1 p.

**Mechanical chest compression – cure or culprit?**

Milling, L., Mikkelsen, S. & Astrup, B. S., Sep 2019, In: Resuscitation. 142, Suppl. 1, p. e33-e33 1 p.

**Physician administered antibiotics in severe infections in a prehospital setting**

Mikkelsen, V. S., Justesen, U. S., Tofte Gregers, M. C., Schierbeck, J. & Mikkelsen, S., Sep 2019, In: Resuscitation. 142, Suppl. 1, p. e105 1 p.

**Pre-hospital paediatric emergencies-observations from Denmark**

Overgaard, M., Heino, A., Andersen, S. A., Thomas, O., Holmen, J. & Mikkelsen, S., Sep 2019, In: Acta Anaesthesiologica Scandinavica. 63, 8, p. E21-E22

**Road bike accidents involving cervical fractures presenting as cardiac arrest: a report of two cases**

Kabell Nissen, A. M., Gramstrup Nielsen, L., Mikkelsen, S. & Craveiro Brøchner, A., 8. Jul 2019, In: Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine. 27, 1, 64.

**Prehospital cardiopulmonary resuscitation with manual or mechanical chest compression: A study of compression-induced injuries**

Milling, L., Astrup, B. S. & Mikkelsen, S., Jul 2019, In: Acta Anaesthesiologica Scandinavica. 63, 6, p. 789-795

**Diagnostic value of prehospital arterial blood gas measurements: a randomised controlled trial**

Zwislér, S. T., Zincuk, Y., Bering, C. B., Zincuk, A., Nybo, M. & Mikkelsen, S., 18. Mar 2019, In: Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine. 27, 9 p., 32.

**Etiology of Shock in the Emergency Department: A 12 Year Population Based Cohort Study**

Holler, J. G., Jensen, H. K., Henriksen, D. P., Rasmussen, L. M., Mikkelsen, S., Pedersen, C. & Lassen, A. T., Jan 2019, In: Shock. 51, 1, p. 60-67

**Survival following treatment of out-of-hospital cardiac arrest in a physician-manned prehospital emergency system with immediate access to a cardiac catheterization laboratory**

Brøchner, A. C., Lindholm, P., Jensen, M. J., Møller, J. E., Henriksen, F. L., Toft, P. & Mikkelsen, S., 2019, In: Resuscitation. 142, Suppl. 1, p. e76 1 p.

**The Danish prehospital emergency healthcare system and research possibilities**

Lindskou, T. A., Mikkelsen, S., Christensen, E. F., Hansen, P. A., Jørgensen, G., Hendriksen, O. M., Kirkegaard, H., Berlac, P. A. & Søvsø, M. B., 2019, In: Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine. 27, 7 p., 100.

**Patients in prehospital transport to the emergency department: a cohort study of risk factors for 7-day mortality**

Bech, C. L. N., Brabrand, M., Mikkelsen, S. & Lassen, A., Oct 2018, In: European Journal of Emergency Medicine. 25, 5, p. 341-347

**The diagnostic value of pre-hospital arterial blood gas**

Bering, C. B., Zincuk, Y., Zwislér, S., Zincuk, A. & Mikkelsen, S., Sep 2018, In: Resuscitation. 130, Suppl. 1, p. e143 1 p.

**Pre-hospital advanced airway management by anaesthetist and nurse anaesthetist critical care teams: a prospective observational study of 2028 pre-hospital tracheal intubations**

Gellerfors, M., Fevang, E., Bäckman, A., Krüger, A., Mikkelsen, S., Nurmi, J., Rognås, L., Sandström, E., Skallsjö, G., Svensén, C., Gryth, D. & Lossius, H. M., May 2018, In: British Journal of Anaesthesia. 120, 5, p. 1103-1109

**Risk factors associated with short term mortality changes over time, after arrival to the emergency department**

Bech, C. N., Brabrand, M., Mikkelsen, S. & Lassen, A., 20. Apr 2018, In: Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine. 26, 1, 9 p., 29.

**Paediatric medical emergency calls to a Danish Emergency Medical Dispatch Centre: a retrospective, observational study**  
Andersen, K., Mikkelsen, S., Jørgensen, G. & Zwisler, S. T., 5. Jan 2018, In: Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine. 26, 7 p., 2.

**Communication between general practitioners and the emergency medical dispatch centre in urgent cases**  
Mieritz, H. B., Rønnow, C., Jørgensen, G., Mikkelsen, S. & Zwisler, S. T., 1. Jan 2018, In: Danish Medical Journal. 65, 1, 5 p., A5435.

**Injuries following mechanical cardiac massage with a piston-type device**  
Milling, L., Astrup, B. S. & Mikkelsen, S., 2018, In: B M J Open. 8, Suppl. 1, 24.

**Noise exposure during prehospital emergency physicians work on Mobile Emergency Care Units and Helicopter Emergency Medical Services**  
Hansen, M. C. T., Schmidt, J. H., Brøchner, A. C., Johansen, J. K., Zwisler, S. & Mikkelsen, S., 6. Dec 2017, In: Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine. 25, 9 p., 119.

**Prehospital prognosis is difficult in patients with acute exacerbation of chronic obstructive pulmonary disease**  
Lindvig, K. P., Brøchner, A. C., Lassen, A. T. & Mikkelsen, S., Nov 2017, In: Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine. 25, 7 p., 106.

**Erratum to: Shock in the emergency department; a 12 year population based cohort study**  
Holler, J. G., Henriksen, D. P., Mikkelsen, S., Rasmussen, L. M., Pedersen, C. & Lassen, A. T., 25. Oct 2017, In: Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine. 25, 12 p., 103.

**Prevalence and outcome of status epilepticus in patients with out-of-hospital cardiac arrest**  
Jermiin, M., Brøchner, A. C., Lindholm, P., Toft, P., Krøigård, T., Høgenhaven, H., Møller, J. E. & Mikkelsen, S., 6. Sep 2017, 1 p.

**Incidence, frequency and clinical characteristics of type 3 myocardial infarction in clinical practice**  
Jangaard, N., Sarkisian, L., Saaby, L., Mikkelsen, S., Lassen, A. T., Marcussen, N., Thomsen, J. L., Diederichsen, A. C. P., Thygesen, K. & Mickley, H., Jul 2017, In: American Journal of Medicine. 130, 7, p. 862.e9–862.e14

**Dispatch and prehospital transport for acute septic patients: an observational study**  
Pedersen, P. B., Henriksen, D. P., Mikkelsen, S. & Lassen, A. T., 12. May 2017, In: Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine. 25, 7 p., 51.

**Termination of prehospital resuscitative efforts: a study of documentation on ethical considerations at the scene**  
Mikkelsen, S., Schaffalitzky de Muckadell, C., Binderup, L. G., Lossius, H. M., Toft, P. & Lassen, A. T., 31. Mar 2017, In: Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine. 25, 9 p., 35.

**Pre-hospital treatment of bee and wasp induced anaphylactic reactions: a retrospective study**  
Ruiz Oropeza, A., Mikkelsen, S., Bindlev-Jensen, C. & Mortz, C. G., 14. Jan 2017, In: Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine. 25, 1, 8 p., 4.

**Characteristics and prognoses of patients treated by an anaesthetist-manned prehospital emergency care unit: A retrospective cohort study**  
Mikkelsen, S., Lossius, H. M., Toft, P. & Lassen, A. T., 2017, In: BMJ Open. 7, 2, 11 p., e014383.

**Physician administered pre-hospital emergency care**  
Mikkelsen, S., 2017, Syddansk Universitet. Det Sundhedsvidenskabelige Fakultet.

**Termination of pre-hospital resuscitation by anaesthesiologists - causes and consequences: A retrospective study**  
Mikkelsen, S., Lossius, H. M., Binderup, L. G., Schaffalitzky de Muckadell, C., Toft, P. & Lassen, A. T., 2017, In: Acta Anaesthesiologica Scandinavica. 61, 2, p. 250-258

**Prehospital lung ultrasound for the diagnosis of cardiogenic pulmonary oedema: a pilot study**

Larsen, C. B., Hänselmann, A., Posth, S., Mikkelsen, S., Videbæk, L. & Berg, H., 2. Aug 2016, In: Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine. 24, 8 p., 96.

**Shock in the emergency department: a 12 year population based cohort study**

Holler, J. G., Henriksen, D. P., Mikkelsen, S., Rasmussen, L. M., Pedersen, C. & Lassen, A. T., 30. Jun 2016, In: Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine. 24, 11 p., 87.

**The immune response is affected for at least three weeks after extensive surgery for ovarian cancer**

Brøchner, A. C., Mikkelsen, S., Hegelund, I., Hokland, M., Mogensen, O. & Toft, P., Jun 2016, In: Danish Medical Journal. 63, 6, 5 p., A5243.

**Increasing incidence of hypotension in the emergency department: a 12 year population-based cohort study**

Holler, J. G., Henriksen, D. P., Mikkelsen, S., Pedersen, C. & Lassen, A. T., 2. Mar 2016, In: Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine. 24, 13 p., 20.

**Prehospital transport of acute septic patients**

Pedersen, P. B., Henriksen, D. P., Mikkelsen, S. & Lassen, A. T., 2016.

**Reporting Helicopter Emergency Medical Services in Major Incidents: A Delphi Study**

Fattah, S., Johnsen, A. S., Sollid, S. J. M., Wisborg, T., Rehn, M., Sóti, Á., Truhlář, A., Krüger, A. J., Gunnarsson, B., Gryth, D., Ohlén, D., Fevang, E., Sunde, G. A., Breitenmoser, I., Kurola, J., Nurmi, J., Fredriksen, K., Rognås, L., Temesvari, P., Mikkelsen, S. & 3 others, Magnusson, V., Voelckel, W. & HEMS Major Incident Reporting Collaborators, 2016, In: Air Medical Journal. 35, 6, p. 348-351

**Opioid prescriptions before and after high-energy trauma**

Zwisler, S. T., Hallas, J., Larsen, M. S., Handberg, G., Mikkelsen, S. & Enggaard, T. P., 28. Aug 2015, In: Journal of opioid management. 11, 4, p. 313-318

**Incidence and mortality of hypotension in the emergency department: an 12-year population based study**

Holler, J. G., Henriksen, D. P., Mikkelsen, S., Pedersen, C. & Lassen, A. T., 16. Jul 2015, In: Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine. 23, Suppl. 1, 1 p., A22.

**Systolic blood pressure and short-term mortality in the emergency department and prehospital setting: a hospital-based cohort study**

Kristensen, A. K. B., Holler, J. G., Mikkelsen, S., Hallas, J. & Lassen, A., 9. Apr 2015, In: Critical Care (Online Edition). 19, 8 p., 158.

**Treatment of hypoglycaemic diabetics in a prehospital setting is safe**

Hatting, N. P. & Mikkelsen, S., Apr 2015, In: Danish Medical Journal. 62, 4, A5044.

**Outcome following physician supervised prehospital resuscitation: a retrospective study**

Mikkelsen, S., Krüger, A. J., Zwisler, S. T. & Brøchner, A. C., 1. Jan 2015, In: BMJ Open. 5, 1, 9 p., e006167.

**Bee and wasp induced anaphylaxis in Southern Denmark in the period 2008-2011**

Ruiz Oropeza, A., Mikkelsen, S., Bindslev-Jensen, C. & Mørtz, C. G., 2015, In: Allergy: European Journal of Allergy and Clinical Immunology, Supplement. 70, S101, p. 206 1 p., 468.

**Implementation of the ABL-90 blood gas analyzer in a ground-based mobile emergency care unit**

Mikkelsen, S., Wolsing-Hansen, J., Nybo, M., Maegaard, C. U. & Jepsen, S., 2015, In: Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine. 23, 2 p., 54.

**Nontraumatic Hypotension and Shock in the Emergency Department and the Prehospital setting, Prevalence, Etiology, and Mortality: A Systematic Review**

Holler, J. G., Bech, C. L. N., Henriksen, D. P., Mikkelsen, S., Pedersen, C. & Lassen, A. T., 2015, In: PLOS ONE. 10, 3, 13 p., e0119331.

**Prehospital spinal immobilization of trauma patients with cervical collar and spineboard based on trauma mechanics and patients' specific complaints is justified**

Nelsson, H., Sorensen, L. P., Fisker, J. & Mikkelsen, S., 2015, In: Acta Anaesthesiologica Scandinavica. 59, S1, p. 23 1 p., 08-07.

**Incidence and Mortality og Hypotension in the Emergency Department; A 12 Year population based study**

Holler, J. G., Henriksen, D. P., Mikkelsen, S., Pedersen, C. & Lassen, A. T., 20. Nov 2014.

**Nontraumatic Hypotension and Shock in the Emergency Department and the Prehospital setting, Prevalence, Etiology and Mortality: a systematic review**

Holler, J. G., Bech, C. L. N., Henriksen, D. P., Mikkelsen, S., Pedersen, C. & Lassen, A. T., Jun 2014.

**Cross-sectional investigation of HEMS activities in Europe: a feasibility study**

Di Bartolomeo, S., Gava, P., Truhlář, A., Sandberg, M., Euphorea Group & Mikkelsen, S., 2014, In: Scientific World Journal. 2014, 5 p., 201570.

**Defining Hypotension in the Emergency Department and in the Pre-hospital Setting: A Hospital-based Cohort Study**

Kristensen, A. K. B., Holler, J. G., Mikkelsen, S., Hallas, J. & Lassen, A. T., 2014, In: Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine. 23, 1. Supplement, 1 p., A11.

**Emergency patients receiving anaesthesiologist-based pre-hospital treatment and subsequently released at the scene**

Højfeldt, S. G., Sørensen, L. P. & Mikkelsen, S., 2014, In: Acta Anaesthesiologica Scandinavica. 58, 8, p. 1025–1031

**Pre-hospital critical care by anaesthesiologist-staffed pre-hospital services in Scandinavia: a prospective population-based study**

Krüger, A. J., Lossius, H. M., Mikkelsen, S., Kurola, J., Castrén, M. & Skogvoll, E., Oct 2013, In: Acta Anaesthesiologica Scandinavica. 57, 9, p. 1175-1185

**Anafylaksi efter bi- eller hvepestik i Region Syddanmark i perioden 2008-2011**

Oropeza, A. R., Mikkelsen, S., Bindslev-Jensen, C. & Mørtz, C. G., 16. Aug 2013.

**Bivalirudin started during emergency transport for primary PCI**

Steg, P. G., van 't Hof, A., Hamm, C. W., Clemmensen, P., Lapostolle, F., Coste, P., Ten Berg, J., Van Grunsven, P., Eggink, G. J., Nibbe, L., Zeymer, U., Campo dell' Orto, M., Nef, H., Steinmetz, J., Soulat, L., Huber, K., Deliargyris, E. N., Bernstein, D., Schuette, D., Prats, J. & 6 others, Clayton, T., Pocock, S., Hamon, M., Goldstein, P., EUROMAX Investigators & Mikkelsen, S., 2013, In: The New England Journal of Medicine. 369, 23, p. 2207-17 11 p.

**Ischaemic heart disease: accuracy of the prehospital diagnosis-a retrospective study**

Houlberg Hansen, L. & Mikkelsen, S., 2013, In: Emergency Medicine International. 2013, 5 p., 754269.

**Lack of Association of OPRM1 and ABCB1 Single-Nucleotide Polymorphisms to Oxycodone Response in Postoperative Pain**

Zwisler, S. T., Enggaard, T. P., Mikkelsen, S., Verstuyft, C., Becquemont, L., Sindrup, S. H. & Brøsen, K., 2012, In: The Journal of Clinical Pharmacology. 52, 2, p. 234–242

**Lipothymia and Syncope—Aetiology and Outcome in a Prehospital Setting: A Retrospective Study**

Zwisler, S. T. & Mikkelsen, S., 2012, In: ISRN Emergency Medicine. 6 p., 705325.

**A consensus-based template for documenting and reporting in physician-staffed pre-hospital services**

Kruger, A. J., Lockey, D., Kurola, J., Di Bartolomeo, S., Castren, M., Mikkelsen, S. & Lossius, H. M., 2011, In: Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine. 19, 1, p. 71

**Ischaemic heart disease. Accuracy of the prehospital diagnosis**

Hansen, L. H. & Mikkelsen, S., 3. Dec 2010.

**Vejledning ved ambulancetransport**

Berlac, P. A., Wammen, S., Giebner, M., Thomsen, A. B. & Mikkelsen, S., 26. Apr 2010, In: Ugeskrift for Laeger. 172, 17, p. 1300-3 4 p.

**The antinociceptive effect and adverse drug reactions of oxycodone in human experimental pain in relation to genetic variations in the OPRM1 and ABCB1 genes**

Zwisler, S. T., Enggaard, T. P., Noehr-Jensen, L., Mikkelsen, S., Verstuyft, C., Becquemont, L., Sindrup, S. H. & Broesen, K., 2010, In: Fundamental and Clinical Pharmacology. 24, 4, p. 517 - 524 8 p.

**The effects of gabapentin in human experimental pain models**

Enggaard, T. P., Mikkelsen, S., Zwisler, S. T., Klitgaard, N. A. & Sindrup, S. H., 2010, In: Scandinavian Journal of Pain. 1, 3, p. 143-148

**Impact of the CYP2D6 genotype on post-operative intravenous oxycodone analgesia**

Zwisler, S. T., Enggaard, T. P., Mikkelsen, S., Brøsen, K. & Sindrup, S. H., 31. Aug 2009, In: Acta Anaesthesiologica Scandinavica. 54, 2, p. 232-240

**The hypoalgesic effect of oxycodone in human experimental pain models in relation to the CYP2D6 oxidation polymorphism**

Zwisler, S. T., Enggaard, T. P., Noehr-Jensen, L., Pedersen, R. S., Mikkelsen, S., Nielsen, F., Brøsen, K., Sindrup, S. H. & Brøsen, K., 1. Apr 2009, In: Basic & Clinical Pharmacology & Toxicology. 104, 4, p. 335-344 9 p.

**A consensus-based template for uniform reporting of data from pre-hospital advanced airway management**

Solid, S. J. M., Lockey, D., Lossius, H. M., Mikkelsen, S. & Pre-hospital advanced airway management expert group, 2009, In: Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine. 17, 1, p. 58

**Gældende retningslinjer for genoplivning**

Mikkelsen, S., 2009, In: Ugeskrift for Laeger. 171, 343

**Impact of CYP2D6 genotype on postoperative intravenous oxycodone analgesia**

Zwisler, S. T., Enggaard, T. P., Mikkelsen, S., Brøsen, K. & Sindrup, S. H., 2009, In: Basic & Clinical Pharmacology & Toxicology. Suppl 1, p. 26-26 1 p.

**Outcome following life saving prehospital medical procedures**

Brøchner, A. C., Hatting, N. P. & Mikkelsen, S., 2009, In: Acta Anaesthesiologica Scandinavica. S119, p. 57 1 p.

**Prehospital hypoglycemia**

Hatting, N. P. & Mikkelsen, S., 2009. 1 p.

**The analgesic effect of oxycodone in relation to genetic variations in the OPRM1 and ABCB1 genes**

Zwisler, S. T., Enggaard, T. P., Nøhr-Jensen, L., Mikkelsen, S., Verstuyft, C., Becquemont, L., Sindrup, S. H. & Brøsen, K., 2009, In: Acta Anaesthesiologica Scandinavica. S119, p. 61

**The effect of extensive surgery on the immune system in women with advanced ovarian cancer**

Brøchner, A. C., Mikkelsen, S., Hegelund, I. V., Mogensen, O. & Toft, P., 2009. 1 p.

**Rekommandation for ledsgaget ambulancetransport**

Berlac, P. A., Wammen, S., Matthias, G., Thomsen, A. B. & Mikkelsen, S., 1. Oct 2008, In: DasInfo. 4

**Impact of CYP2D6 genotype on the analgesic effect of oxycodone in postoperative pain**  
Zwisler, S. T., Enggaard, T. P., Mikkelsen, S., Brøsen, K. & Sindrup, S. H., 2008, ASA Annual Meeting Abstracts 2008. p. A1588

**The effect of gabapentin on post-operative pain following tonsillectomy in adults**  
Mikkelsen, S., Hilsted, K. L., Andersen, P. J., Hjortsø, N-C., Enggaard, T. P., Jørgensen, D. G., Hansen, M., Henriksen, J. & Dahl, J. B., Aug 2006, In: *Acta Anaesthesiologica Scandinavica*. 50, 7, p. 809-815

**The effect of gabapentin in human experimental pain models**  
Enggaard, T. P., Zwisler, S. T., Mikkelsen, S., Klitgaard, N. A. & Sindrup, S. H., 2006.

**Effect of intravenous magnesium on pain and secondary hyperalgesia associated with the heat/capsaicin sensitization model in healthy volunteers**  
Mikkelsen, S., Dirks, J., Fabricius, P., Petersen, K. L., Rowbotham, M. C. & Dahl, J. B., Jun 2001, In: *British Journal of Anaesthesia*. 86, 6, p. 871-3 3 p.

**Ruptur af højre atrium efter stump traume**  
Mikkelsen, S. & Ilkjær, L. B., 2001, In: *Ugeskrift for Laeger*. 163, 43, p. 5986-5987

**Effect of oral ketamine on secondary hyperalgesia, thermal and mechanical pain thresholds, and sedation in humans**  
Mikkelsen, S., Jørgensen, H., Larsen, P. S., Brennum, J. & Dahl, J. B., 29. Sep 2000, In: *Regional Anesthesia and Pain Medicine*. 25, 5, p. 452-8 7 p.

**Incisional lokalanaestesi som postoperativ smertebehandling efter abdominal operation. En kvalitativ, systematisk oversigt**  
Møiniche, S., Mikkelsen, S., Wetterslev, J. & Dahl, J. B., 6. Dec 1999, In: *Ugeskrift for Laeger*. 161, 49, p. 6764-9 6 p.

**A systematic review of intra-articular local anesthesia for postoperative pain relief after arthroscopic knee surgery**  
Møiniche, S., Mikkelsen, S., Wetterslev, J. & Dahl, J. B., 28. Sep 1999, In: *Regional Anesthesia and Pain Medicine*. 24, 5, p. 430-7 8 p.

**The effect of naloxone on ketamine-induced effects on hyperalgesia and ketamine-induced side effects in humans**  
Mikkelsen, S., Ilkjaer, S., Brennum, J., Borgbjerg, F. M. & Dahl, J. B., Jun 1999, In: *Anesthesiology*. 90, 6, p. 1539-45 7 p.

**A qualitative systematic review of incisional local anaesthesia for postoperative pain relief after abdominal operations**  
Møiniche, S., Mikkelsen, S., Wetterslev, J. & Dahl, J. B., Sep 1998, In: *British Journal of Anaesthesia*. 81, 3, p. 377-83 7 p.

**Potentiating effect of dietary vitamin A on photocarcinogenesis in hairless mice**  
Mikkelsen, S., Berne, B., Staberg, B. & Vahlquist, A., Apr 1998, In: *Carcinogenesis*. 19, 4, p. 663-6 4 p.

**Pneumopericardium associated with high-frequency jet ventilation during laser surgery of the hypopharynx in a child**  
Mikkelsen, S. & Knudsen, K. E., Nov 1997, In: *European Journal of Anaesthesiology*. Supplement. 14, 6, p. 659-61 3 p.

**Norketamine, the main metabolite of ketamine, is a non-competitive NMDA receptor antagonist in the rat cortex and spinal cord**  
Ebert, B., Mikkelsen, S., Thorkildsen, C. & Borgbjerg, F. M., 20. Aug 1997, In: *European Journal of Pharmacology*. 333, 1, p. 99-104 6 p.

**Comparison of tenoxicam by intramuscular injection or wound infiltration for analgesia after inguinal herniorrhaphy**  
Mikkelsen, S. S., Knudsen, K. E., Kristensen, B. B., Linnemann, M. U., Friis, E. & Dahl, J. B., Dec 1996, In: *Anesthesia and Analgesia*. 83, 6, p. 1239-43 5 p.

**Peritonsillar infiltration with low-dose tenoxicam after tonsillectomy**

Knudsen, K. E., Brofeldt, S., Mikkelsen, S., Bille, M., Brennum, J. & Dahl, J. B., Sep 1995, In: British Journal of Anaesthesia. 75, 3, p. 286-8 3 p.

**Ketamin til behandling af svaert behandlelige fantomsmerter**

Franks, J. F., Olesen, A. S., Mikkelsen, S. & Borgbjerg, F. M., 12. Jun 1995, In: Ugeskrift for Laeger. 157, 24, p. 3481-3482 2 p.

**Morphine pharmacokinetics in premature and mature newborn infants**

Mikkelsen, S., Feilberg, V. L., Christensen, C. B. & Lundstrøm, K. E., Oct 1994, In: Acta Paediatrica. 83, 10, p. 1025-8 4 p.

**Aspirationsprofilakse hos obstetriske patienter i Danmark**

Mikkelsen, S., Markers, I. & Wiberg-Jørgensen, F., 19. Apr 1993, In: Ugeskrift for Laeger. 155, 16, p. 1175-8 4 p.

**PermCath som intravenøs adgang ved kronisk haemodialyse**

Mikkelsen, S., Gyrtrup, H. J., Colstrup, H. & Nielsen, P. K., 20. Jul 1992, In: Ugeskrift for Laeger. 154, 30, p. 2073-6 4 p.

**Plasmaferesebehandling af perifer HIV-neuropati**

Salim, Y. S., Faber, V., Skinhoj, P., Lerche, B., Søeberg, B., Mikkelsen, S., Klinken, L., Trojaborg, W., Jakobsen, J. & Kamieniecka, Z., 3. Jul 1989, In: Ugeskrift for Laeger. 151, 27, p. 1754-6 3 p.

**Erhvervsbetiget eksem efter Alstromeria (Inkalilje)**

Mikkelsen, S. & Mikkelsen, F., 3. Apr 1989, In: Ugeskrift for Laeger. 151, 14, p. 898

**Decreased retinyl ester concentrations in UV-induced murine squamous cell carcinomas**

Berne, B., Törmä, H., Staberg, B., Mikkelsen, S. & Vahlquist, A., 1989, In: Acta Dermatovenereologica. 69, 6, p. 503-8 6 p.

## Activities

**Healthcare (Journal)**

Søren Mikkelsen (Editor)

1. Jan 2020

**Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine (Journal)**

Søren Mikkelsen (Editor)

1. Jan 2015

**Prehospital intubation: A review of 48.507 ambulance runs resulting in 1.292 intubations**

Søren Mikkelsen (Speaker)

10. Jun 2009 → 13. Jun 2009

**Acta Anaesthesiologica Scandinavica (Journal)**

Søren Mikkelsen (Editor)

1. Jan 2009 → 31. Dec 2009

**Ugeskrift for Laeger (Journal)**

Søren Mikkelsen (Editor)

1. Jan 2009 → 31. Dec 2009

**Ugeskrift for Laeger (Journal)**

Søren Mikkelsen (Editor)

1. Jan 2009

**12th World Congress on Pain**

Søren Mikkelsen (Participant)

17. Aug 2008 → 22. Aug 2008

**Acta Anaesthesiologica Scandinavica (Journal)**

Søren Mikkelsen (Editor)

1. Jan 2008 → 31. Dec 2008

**Anesthesia and Analgesia (Journal)**

Søren Mikkelsen (Editor)

1. Jan 2008 → 31. Dec 2008

**Præhospitals- og Akutudvalget i det Danske Selskab for Anæstesiologi og Intensiv Medicin (External organisation)**

Søren Mikkelsen (Member)

1. Jan 2008 → 31. Dec 2008

**Ugeskrift for læger (Journal)**

Søren Mikkelsen (Editor)

1. Jan 2008 → 31. Dec 2008

**A study of paramedics' compliance with treatment protocols in suspected acute coronary syndrome in a prehospital setting**

Søren Mikkelsen (Speaker)

2006