



NICOLA GROES CLAUSEN

Born July 27th 1976

Curriculum vitae

PROFILE

Paediatric anaesthetist, member of European Society of Pediatric Anaesthesia Executive Board; scientific research activity aimed at improving safety for infants and children undergoing general anesthesia



ADDRESS

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CLINICAL EXPERIENCE

- +10 years clinical experience in pediatric anesthesia practice, including anesthesia for neonatal surgery and critical care and retrieval of children of all ages
- +15 years clinical experience in anesthesia and intensive care medicine
- 2 years fellowship in pediatric anesthesia at the University Children's Hospital Zurich, Eleonorenstiftung, Steinwiesstrasse 75, CH – 8032 Zuerich, Switzerland Switzerland from Sept 2016-2018
- +10 years employment as emergency physician at the urban rescue service, municipality of the city of Kolding

CURRENT EMPLOYMENT

- Consultant anesthetist and Head of Pediatric Anesthesia section at the Department of Anesthesia and Intensive Care, Odense University Hospital, J.B. Winsløwsvej 4, DK - 5000 Odense C, Denmark
- Clinical associate professor at the Dept Health Sciences, University of Southern Denmark

EDUCATION

2021 – 2023 Postdoctoral researcher at the University of Southern Denmark, Campusvej 55, DK - 5230 Odense M

2019 Specialist course in pediatric anesthesia certified by the Scandinavian Society of Anesthesia and Intensive Care (SSAI)

2018 PhD degree awarded at the University of Southern Denmark

2013 Staff specialist in anaesthesia and intensive care medicine

2004 Master's degree in medicine, University of Aarhus

PROFESSIONAL ENGAGEMENTS

- Responsible for training in research methodology, part of specialist training in anesthesiology in the Region of Southern Denmark
- Active Executive Board member of the European Society of Pediatric Anesthesia (ESPA)
- Member of the Steering Committee of the Scandinavian Society of Anesthesia and Intensive Care (SSAI) training program in pediatric anesthesia
- Associate editor for *Anaesthesia Critical Care and Pain Medicine Journal*
- Through 2007 - 2015 numerous positions of trust in educational committees, part of the Danish Society of Anesthesia and Intensive care (DASAIM)
- + 500 lessons teaching doctors and nurses in training, medical students, paramedics

SCIENTIFIC ACTIVITIES

- +15 publications in peer reviewed scientific journals
- Head of ESPA scientific committee
- October 2021 – June 2022 Member of assessment committee of Ph.D. thesis at University of Copenhagen
- Invited speaker and chairwoman at multiple international meetings
- Oral- and poster presentations of research results at multiple international meetings

LIST OF PUBLICATIONS

Bjerregaard AT, Holm JK, **Clausen NG**. Time From Suspected Foreign Body Aspiration to Bronchoscopy at Odense University Hospital During a 5-Year Period. *Acta Anaesthesiol Scand.* 2025 Jul;69(6):e70053.

McKenzie AC, Risom MB, Møller JK, Mikkelsen J, Skole-Sørensen SF, Nielsen VML, **Clausen NG**, Mikkelsen S. *Critical interventions, diagnosis, and mortality in children treated by a physician-manned mobile emergency care unit.* *Scand J Trauma Resusc Emerg Med.* 2025 Feb 20;33(1):30.

de Graaff JC, Frykholm P, Engelhardt T, Schindler E, Kovesi T, Simic D, Malagon I, Woodman N, Courtman S, Najafi N, **Claussen NG**, Karlsson J, Bonhomme F, Laffargue A, Vutskits L. *Pediatric anesthesia in Europe: Variations within uniformity.* *Paediatr Anaesth.* 2024 Sep;34(9):919-925.

Ringer SK, Schmid A, Weiss M, Ohlerth S, Spielmann N, Clausen NG. Non-surgical external jugular vein catheterization using an ear vein access in piglets. *Lab Anim.* 2023 Apr 19;236772231167224.

Clausen NG. A pragmatic approach to Quality Improvement in Pediatric Anesthesia. *Curr Opin Anaesthesiol.* 2022 Jun 1; 35(3):357-360

Clausen NG, Hansen TG. From little adults to pediatric patients: quality improvement in pediatric anesthesia. *Signa Vitae.* 2021. doi:10.22514/sv.2021.088 (open access) <https://www.signavitae.com/articles/search?keyword=Quality%20improvement>

Clausen NG, Madsen D, Rosenkilde C, Hasfeldt-Hansen D, Larsen L, Hansen TG. The use of tablet computers to reduce preoperative anxiety in children before anesthesia: a randomized controlled study. *J Perianesth Nurs.* 2020 (accepted)

Clausen NG, Filipovic M, de Pater GH, Zickerman C, Ydemann M. Blood pressure in Danish children during general anaesthesia: Hypotension in a paediatric population observational (HIPPO) study. *Acta Anaesthesiol Scand.* 2020 Jun 26. Doi: 10.1111/aas.13662. Online ahead of print. PMID: 32589795

Ringer SK, Clausen NG, Spielmann N, Weiss M. Effects of hypothermia and hypothermia combined with hypocapnia on cerebral tissue oxygenation in piglets. *Paediatr Anaesth.* 2020 Jun 7. doi: 10.1111/pan.13943. Online ahead of print. PMID: 32506675.

Ringer SK, Clausen NG, Spielmann N, Weiss M. Effects of moderate and severe hypocapnia on intracerebral perfusion and brain tissue oxygenation in piglets. *Paediatric anaesthesia.* 2019;29(11):1114-21.

Clausen NG, Hansen TG, Disma N. Anesthesia Neurotoxicity in the Developing Brain: Basic Studies Relevant for Neonatal or Perinatal Medicine. *Clinics in perinatology.* 2019;46(4):647-56.

Clausen NG, Antonsen S, Spielmann N, Hansen TG, Weiss M, Ringer SK. Hypotension and Hypocapnia During General Anesthesia in Piglets: Study of S100b as an Acute Biomarker for Cerebral Tissue Injury. *Journal of neurosurgical anesthesiology.* 2019.

Ringer SK, Clausen NG, Spielmann N, Ohlerth S, Schwarz A, Weiss M. Effects of moderate and severe arterial hypotension on intracerebral perfusion and brain tissue oxygenation in piglets. *British journal of anaesthesia.* 2018;121(6):1308-15.

Disma N, O'Leary JD, Loepke AW, Brambrink AM, Becke K, Clausen NG, et al. Anesthesia and the developing brain: A way forward for laboratory and clinical research. *Paediatric anaesthesia.* 2018;28(9):758-63.

Clausen NG, Kahler S, Hansen TG. Systematic review of the neurocognitive outcomes used in studies of paediatric anaesthesia neurotoxicity. *British journal of anaesthesia.* 2018;120(6):1255-73.

Piegeler T, Clausen NG, Weiss M. Effectiveness of tip rotation in fibreoptic bronchoscopy under different experimental conditions: an in vitro crossover study. *British journal of anaesthesia.* 2017;119(6):1206-12.

Clausen NG, Pedersen DA, Pedersen JK, Moller SE, Gosen D, Wehby GL, et al. Oral Clefts and Academic Performance in Adolescence: The Impact of Anesthesia-Related Neurotoxicity, Timing of Surgery, and Type of Oral Clefts. *The Cleft palate-craniofacial journal : official publication of the American Cleft Palate-Craniofacial Association.* 2017;54(4):371-80.

Clausen NG, Veno S, Astvad M, Henneberg SW, Christensen K, Hansen TG. [Potential neurotoxicity of general anaesthetics to the developing brain]. *Ugeskrift for laeger.* 2014;176(34).

Brabrand M, Folkestad L, Clausen NG, Knudsen T, Hallas J. Risk scoring systems for adults admitted to the emergency department: a systematic review. *Scand J Trauma Resusc Emerg Med.* 2010;18:8.

