

Clinical education and training

- April 2019: neonatologist, Aarhus University Hospital, Denmark & Sick Kids, Toronto
- Summer 2010: Pediatrician, Viborg Regional Hospital and Aarhus University Hospital

Research

- 2022 – and ongoing. Associated professor
- 2018: Ph.D.-degree: Brain matters in Heart matters. MRI and ultrasound of fetal brain. Follow-up with MRI, ASQ and Bayley III. Clinical and Register studies

Clinical positions

- Nov. 2014- and ongoing. Staff Specialist, NICU, Aarhus University Hospital
- Jan. 2011- Nov 2013 Staff Specialist, Pediatric Cardiology, Aarhus University Hospital

Research supervision

- Anna Møgelhøj (MD, PhD: 2025-2028) Genomics and clinical aspects of fetuses and children with sex chromosome aneuploidies (part 2)
- Inger Dorf (MD, PhD: 2023-26) Genomics and clinical aspects of fetuses and children with sex chromosome aneuploidies
- Emil Krogh (Med.Stud. 2023-24): Extracardiac Organ Growth in Fetuses with Transposition of the Great Arteries.
- Stine Daa Pedersen (Med. Stud. 2023-24). Riskfactors for IVH.
- Amalie Bidstrup (Med. Stud. 2023-24) Neonatale seizures, the role of Levetiracetam.
- Jasmin Y Sahadi og Sonia Fanari (Med. Stud. 2023-24): PHVD in Denmark and Italy.
- Anna Holst (Med. Stud. 2023-24) OPEN lung: Usefulness of ultrasound in CPAP weaning
- Lisa Carslon Hanse (MD, PhD 2022-23): Tricuspid semilunar valve reconstruction: in vitro, in vivo and in human studies

PhD-opponent

- Sara Hinari Lau-Jensen 2024: Mental Health in Patients with Congenital Heart Defects
- Rasmus Omann Christensen 2023: Fetal Guiding Signs in Congenital Heart Defects - can the fetus guide us to better postnatal outcomes?

PhD- chair

- Camilla Omann Kristensen 2022: Congenital Heart Defect and Neurodevelopmental Outcomes - Does the fetal environment matter?

Publications

- 18. Krogh E, Ringgaard S, Kelly B, Rungsiprakarn P, Rychik J, Gaynor JW, Biko DM, Hjortdal V, Lauridsen MH. [Lung volumes are increased in fetuses with transposition of the great arteries on intrauterine MRI](#). *Cardiol Young*. 2024 Dec;34(12):2650-2655. doi: 10.1017/S1047951124026398. Epub 2024 Oct18. PMID: 3942210
- 17. Lauridsen MH, Uldbjerg N, Peters DA, Ringgaard S, Hjortdal VE. A short session of maternal hyperoxygenation ameliorates the cerebral oxygenation difference between fetuses with and without congenital heart defects. *Global Pediatrics* volume 4, June 2023, 100052
- Hanse LC, Tjørnild MJ, Karunanithi Z, Jedrzejczyk JH, Islamagić L, Hummelshøj NE, Enevoldsen M, Lugones G, Lauridsen MH, Hjortdal VE, Lugones I Trileaflet Semilunar Valve Reconstruction: Acute Porcine in Vivo Evaluation. *World J Pediatr Congenit Heart Surg*. 2023 Jul;14(4):509-515.
- 15. Hanse LC, Tjørnild MJ, Karunanithi Z, Jedrzejczyk JH, Islamagić L, Hummelshøj NE, Enevoldsen M, Johansen P, Lauridsen MH, Hjortdal VE. A handsewn pericardial valved pulmonary conduit: pulsatile flow loop in vitro and acute porcine in vivo evaluation. *Eur J Cardiothorac Surg*. 2023 Apr 3;63(4)
- 14. Trautner S, Andelius TCK, Buhl M, Hahn G, Heiring C, Lauridsen MH, Kyng KJ. Point-of-care ultrasound in neonatal intensive care. *Ugeskr Laeger*. 2023 Jan 9;185(2)
- 13. Baunsgaard MM, Henriksen TB, Gilberg CK, Wibroe DB, Haugsted T, Østergaard JR, Hjortdal V, Lauridsen MH. Isolated congenital heart defects and neurodevelopmental follow-up using The Bayley III and The Ages and Stages Questionnaire at 18 and 36 months. *Cardiol Young*. 2022 Mar;32(3):390-397
- 12. Skotting MB, Eskildsen SF, Ovesen AS, Fonov VS, Ringgaard S, Hjortdal VE, Lauridsen MH. Infants with congenital heart defects have reduced brain volumes, *Scientific Reports* (2021) 11:4191

- 11. *Omann C, Lauridsen M, Ringgaard S, Karunanithi Z, Hjortdal V.* Placental Oxygenation in Fetuses with and without a Heart Defect (2019), doi: 10.1161/circ.140.suppl_1.13336
- 10. *Lauridsen MH, Uldbjerg N, Petersen OB, Vestergaard EM, Matthiesen NB, Henriksen TB, Østergaard JR, Hjortdal V.* Fetal heart defects and measures of cerebral size, *J Pediatr.* 2019 Jul;210:146-153.
- 9. *Lauridsen MH.* Heart matters in brain matters – from early fetal development. Ph.d.-afhandling, maj 2018
- 8. *Karunanithi Z, Vestergaard EM, Lauridsen MH.* Transposition of the great arteries, a phenotype associated with 16p11.2 duplications, *World J Cardiol.* 2017 Dec 26;9(12):848-852
- 7. *Lauridsen MH, Uldbjerg N, Henriksen TB, Petersen OB, Stausbøl-Grøn B, Matthiesen NB, Peters DA, Ringgaard S, Hjortdal V.* Cerebral oxygenation measurements by magnetic resonance imaging in fetuses with and without heart defects, *Circ Cardiovasc Imaging.* 2017 Nov;10(11)
- 6. *Ilkjær C, Møller MB, Lauridsen MH, Ilkjær S, Hjortdal VE.* Effekt af julenisserier på humøret blandt læger – et randomiseret, blindet interventionsstudie. *Ugeskr Laeger.* 2016 Dec 12;178(50)
- 5. *Johansen A, Kanijo B, Fredheim S, Olsen B, Hertz B, Lauridsen M, Andersen MLM, Mortensen HB, Svensson J.* Prevalence and predictors of severe hypoglycemia in Danish children and adolescents with diabetes. *Pediatr Diabetes.* 2015 Aug;16(5):354-60
- 4. *Lauridsen MH, Kristensen AD, Hjortdal VE, Jensen TS, Nikolajsen N.* Chronic pain in children after cardiac surgery via sternotomy, *Cardiology in the Young* 2014 Oct;24(5):893-9.
- 3. *S. Fredheim, J. Johannesen, A. Johansen, L. Lyngsøe, H. Rida, M. L. M. Andersen, M. H. Lauridsen, B. Hertz, N. H. Birkebæk, B. Olsen, H. B. Mortensen, J. Svensson.* Diabetic ketoacidosis at the onset of type 1 diabetes is associated with future HbA1c levels. *Diabetologia.* 2013 May;56(5):995-1003
- 2. *Lauridsen MH, Boesgaard TW, Pedersen OB, Hansen T, Hertz B.* Diabetes in infants may be treated with sulfonylurea as a replacement for insulin. *Ugeskr Laeger.* 2009 Jun 1;171(23):1923-4
- 1. *Lauridsen MH.* Hugormebid. *Ugeskr Læger* 2003;165:3087-3091

International meetings and conferences (selection)

- ICNA-CNS (International Child Neurology Congress) 2020. Honorary Speaker & panel
- CNOC (Cardiac Neurodevel. Outcome Collaborative), 2019. Honorary Speaker & panel
- Sick Kids: Neonatal Neuroscience Research Group Meeting, Toronto, Aug 2015. Talk.

Teaching (selection)

- 2022-Team Based Learning, neurology, growth and neonatology
- 2014- postgraduate courses: the acutely ill child & neonatal resuscitation
- 2010- HLRIII

Courses (selection)

- POCUS, Göteborg, May 2025
- Introduction to teaching and learning, Oct. 2024
- Eur.US Brain advanced course, Rome, Italy, Nov. 2023
- Imaging the developing brain, where do we go from here? RH August 2023
- Master's thesis: Clinical consequences of risk-based instead of routine head ultrasound screening
- NOTES Neurology, respirology, hemodynamics, nutrition, research & pharmacology. Soton.
- Neonatal cranial ultrasound, The basics and advanced. Imperial College, London 2015
- APLS (Advanced Pediatric Life Support) Oslo 2004, Manchester 2008 & London 2013

International exchange/employments

- Pediatric Consultant Nuuk, Greenland (august 2019) & Kirkenes, Norway (May 2017)
- Clinical stay, The NICU (Patrick McNamara), Sick Kids, Toronto, Canada 4 weeks Aug./Sep. 2015
- Research-stay, CDIU (Mike Seed) Sick Kids Toronto, Canada, 1+2 weeks July 2014 & August 2015