

Curriculum vitae with track record (for researchers)

Role in the project Project manager ☒ Project participant ☐

Personal information

First name, Surname:	Lars Marius, Giske Ytrebø		
Date of birth:	01.03.67	Sex:	Male
Nationality:	Norwegian		
Researcher unique identifier(s) (ORCID, ResearcherID, etc.):	0000-0002-6531-7872		
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Education

Year	Faculty/department - University/institution - Country
2002 (dissertation defended)	Ph.D.
1995	Master

Positions - current and previous

Year	Job title – Employer - Country
2016-	Consultant, Department of Anesthesiology, University Hospital of North Norway
2015	Visiting Professor, Gold Coast University Hospital, Queensland, Australia
2014-	Professor (50%) UIT- The Arctic University of Norway
2009-2013	Critical Care Unit, University Hospital of North Norway Lead Consultant and Head of Research and Development Committee
2008	Specialist Registrar, Critical Care Unit, University College London Hospital, UK
2002-2007	Specialist Registrar, Department of Anesthesiology, University Hospital of North Norway

Project management experience

Year	Project owner - Project - Role - Funder
2004-2008	Post-doctoral research fellow, Norwegian Research Council. Grant No: 178341/V50

2003-2004	Post-Doctoral research fellow, Norwegian Research Council. Grant 155271/320 The UCL Institute of Hepatology, University College London, UK.
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Supervision of students

Master's students	Ph.D. students	University/institution - Country
>10	3	UIT-The Arctic University of Norway

Other relevant professional experiences

Year	Description - Role
2001-	Reviewer for several international journals. Member of several PhD assessment committees.

Track record⁽¹⁻⁵¹⁾

Top ten publications are: #14, #16, #20, #21, #22, #23, #28, #42, #32, #49.

- Nielsen J, Ytrebo LM, Borud O. Lactate and pyruvate concentrations in capillary blood from newborns. *Acta Paediatr.* 1994;83(9):920-2.
- Balteskard L, Unneberg K, Halvorsen D, Ytrebo LM, Waage A, Sjursen H, et al. The influence of growth hormone on tumour necrosis factor and neutrophil leukocyte function in sepsis. *Scand J Infect Dis.* 1997;29(4):393-9.
- Korvald C, Elvenes OP, Ytrebo LM, Sorlie DG, Myrmel T. Oxygen-wasting effect of inotropy in the "virtual work model". *Am J Physiol.* 1999;276(4):H1339-45.
- Elvenes OP, Korvald C, Ytrebo LM, Irtun O, Myrmel T, Larsen TS, et al. Myocardial metabolism and efficiency after warm continuous blood cardioplegia. *Ann Thorac Surg.* 2000;69(6):1799-805.
- Ytrebo LM, Ingebrigtsen T, Nedredal GI, Elvenes OP, Korvald C, Romner B, et al. Protein S-100beta: a biochemical marker for increased intracranial pressure in pigs with acute hepatic failure. *Scand J Gastroenterol.* 2000;35(5):546-51.
- Ytrebo LM, Korvald C, Nedredal GI, Elvenes OP, Nielsen Grymyr OJ, Revhaug A. N-acetylcysteine increases cerebral perfusion pressure in pigs with fulminant hepatic failure. *Crit Care Med.* 2001;29(10):1989-95.
- Ytrebo LM, Nedredal GI, Korvald C, Holm Nielsen OJ, Ingebrigtsen T, Romner B, et al. Renal elimination of protein S-100beta in pigs with acute encephalopathy. *Scand J Clin Lab Invest.* 2001;61(3):217-25.
- Ytrebo LM, Nedredal GI, Langbakk B, Revhaug A. An experimental large animal model for the assessment of bioartificial liver support systems in fulminant hepatic failure. *Scand J Gastroenterol.* 2002;37(9):1077-88.
- Nedredal GI, Elvevold KH, Ytrebo LM, Olsen R, Revhaug A, Smedsrod B. Liver sinusoidal endothelial cells represents an important blood clearance system in pigs. *Comp Hepatol.* 2003;2(1):1.
- Ytrebo LM, Ekse S, Sen S, Rose C, Nedredal GI, Fuskevag OM, et al. Contractile response of femoral arteries in pigs with acute liver failure. *Scand J Gastroenterol.* 2004;39(10):1000-4.
- Sen S, Ytrebo LM, Rose C, Fuskevaag OM, Davies NA, Nedredal GI, et al. Albumin dialysis: a new therapeutic strategy for intoxication from protein-bound drugs. *Intensive Care Med.* 2004;30(3):496-501.
- Ytrebo LM. A lowered incidence of severe encephalopathy and cardiovascular dysfunction. *Crit Care Med.* 2005;33(5):1181; author reply -2.

13. Ytrebo LM, Sen S, Rose C, Davies NA, Nedredal GI, Fuskevaag OM, et al. Systemic and regional hemodynamics in pigs with acute liver failure and the effect of albumin dialysis. *Scand J Gastroenterol.* 2006;41(11):1350-60.
14. Ytrebo LM, Sen S, Rose C, Ten Have GA, Davies NA, Hodges S, et al. Interorgan ammonia, glutamate, and glutamine trafficking in pigs with acute liver failure. *Am J Physiol Gastrointest Liver Physiol.* 2006;291(3):G373-81.
15. Sen S, Rose C, Ytrebo LM, Davies NA, Nedredal GI, Drevland SS, et al. Effect of albumin dialysis on intracranial pressure increase in pigs with acute liver failure: a randomized study. *Crit Care Med.* 2006;34(1):158-64.
16. Rose C, Ytrebo LM, Davies NA, Sen S, Nedredal GI, Belanger M, et al. Association of reduced extracellular brain ammonia, lactate, and intracranial pressure in pigs with acute liver failure. *Hepatology.* 2007;46(6):1883-92.
17. Ytrebo LM. [Disturbances in ammonia metabolism in hepatic failure]. *Tidsskr Nor Laegeforen.* 2007;127(11):1514-7.
18. Nedredal GI, Elvevold K, Ytrebo LM, Fuskevag OM, Pettersen I, Bertheussen K, et al. Significant contribution of liver nonparenchymal cells to metabolism of ammonia and lactate and cocultivation augments the functions of a bioartificial liver. *Am J Physiol Gastrointest Liver Physiol.* 2007;293(1):G75-83.
19. Ekse S, Clapp LH, Revhaug A, Ytrebo LM. Endothelium-derived hyperpolarization factor (EDHF) is up-regulated in a pig model of acute liver failure. *Scand J Gastroenterol.* 2007;42(3):356-65.
20. Jakobsen O, Stenberg TA, Losvik O, Ekse S, Sorlie DG, Ytrebo LM. Adenosine instead of supranormal potassium in cardioplegic solution preserves endothelium-derived hyperpolarization factor-dependent vasodilation. *Eur J Cardiothorac Surg.* 2008;33(1):18-24.
21. Nedredal GI, Elvevold K, Ytrebo LM, Fuskevag OM, Pettersen I, McCourt PA, et al. Porcine liver sinusoidal endothelial cells contribute significantly to intrahepatic ammonia metabolism. *Hepatology.* 2009;50(3):900-8.
22. Ytrebo LM, Kristiansen RG, Maehre H, Fuskevag OM, Kalstad T, Revhaug A, et al. L-ornithine phenylacetate attenuates increased arterial and extracellular brain ammonia and prevents intracranial hypertension in pigs with acute liver failure. *Hepatology.* 2009;50(1):165-74.
23. Davies NA, Wright G, Ytrebo LM, Stadlbauer V, Fuskevag OM, Zwingmann C, et al. L-ornithine and phenylacetate synergistically produce sustained reduction in ammonia and brain water in cirrhotic rats. *Hepatology.* 2009;50(1):155-64.
24. Ytrebo LM. Vascular dysfunction in septic shock--any ROCKing news? *Crit Care Med.* 2009;37(5):1820-1.
25. Ytrebo LM, Klepstad P. [Intensive care of patients with acute liver failure]. *Tidsskr Nor Laegeforen.* 2010;130(16):1609-13.
26. Kristiansen RG, Lindal S, Myreng K, Revhaug A, Ytrebo LM, Rose CF. Neuropathological changes in the brain of pigs with acute liver failure. *Scand J Gastroenterol.* 2010;45(7-8):935-43.
27. Ytrebo LM. Stop filling patients against central venous pressure, please! *Crit Care Med.* 2011;39(2):396-7.
28. Sharma V, Ten Have GA, Ytrebo L, Sen S, Rose CF, Dalton RN, et al. Nitric oxide and L-arginine metabolism in a devascularized porcine model of acute liver failure. *Am J Physiol Gastrointest Liver Physiol.* 2012;303(3):G435-41.
29. Ytrebo LM. Selective decontamination of the oral and digestive tract in surgical versus non-surgical patients in intensive care in a cluster-randomized trial (*Br J Surg* 2012; 99: 232-237). *Br J Surg.* 2012;99(2):238.
30. Cerantola Y, Valerio M, Persson B, Jichlinski P, Ljungqvist O, Hubner M, et al. Guidelines for perioperative care after radical cystectomy for bladder cancer: Enhanced Recovery After Surgery (ERAS((R))) society recommendations. *Clin Nutr.* 2013;32(6):879-87.
31. Ytrebo LM, Rose CF. Significant advances towards a reproducible, clinically relevant large animal model of acetaminophen-induced acute liver failure. *Liver Int.* 2013;33(4):499-500.
32. Flohr-Madsen S, Ytrebo LM, Kregnes S, Wilsgaard T, Klaastad O. Minimum effective volume of ropivacaine 7.5 mg/ml for an ultrasound-guided infraclavicular brachial plexus block. *Acta Anaesthesiol Scand.* 2013;57(4):495-501.

33. Toft P, Olsen HT, Jorgensen HK, Strom T, Nibro HL, Oxlund J, et al. Non-sedation versus sedation with a daily wake-up trial in critically ill patients receiving mechanical ventilation (NONSEDA Trial): study protocol for a randomised controlled trial. *Trials*. 2014;15:499.
34. Kristiansen RG, Rose CF, Fuskevag OM, Maehre H, Revhaug A, Jalan R, et al. L-Ornithine phenylacetate reduces ammonia in pigs with acute liver failure through phenylacetylglutamine formation: a novel ammonia-lowering pathway. *Am J Physiol Gastrointest Liver Physiol*. 2014;307(10):G1024-31.
35. Patel HR, Cerantola Y, Valerio M, Persson B, Jichlinski P, Ljungqvist O, et al. Enhanced recovery after surgery: are we ready, and can we afford not to implement these pathways for patients undergoing radical cystectomy? *Eur Urol*. 2014;65(2):263-6.
36. Kornhall DK, Almqvist S, Dolven T, Ytrebo LM. Intentional oesophageal intubation for managing regurgitation during endotracheal intubation. *Anaesth Intensive Care*. 2015;43(3):412-4.
37. Flohr-Madsen S, Ytrebo LM, Valen K, Wilsgaard T, Klaastad O. A randomised placebo-controlled trial examining the effect on hand supination after the addition of a suprascapular nerve block to infraclavicular brachial plexus blockade. *Anaesthesia*. 2016;71(8):938-47.
38. Johansen ET, Haustreis SM, Mowinckel AS, Ytrebo LM. Effects of implementing a clinical pharmacist service in a mixed Norwegian ICU. *Eur J Hosp Pharm*. 2016;23(4):197-202.
39. Kristiansen RG, Rose CF, Ytrebo LM. Glycine and hyperammonemia: potential target for the treatment of hepatic encephalopathy. *Metab Brain Dis*. 2016;31(6):1269-73.
40. Nedredal GI, Elvevold K, Chedid MF, Ytrebo LM, Rose CF, Sen S, et al. Pulmonary vascular clearance of harmful endogenous macromolecules in a porcine model of acute liver failure. *Ann Hepatol*. 2016;15(3):427-35.
41. Backer-Grondahl A, Lindal S, Lorentzen MA, Eldevik P, Vorren T, Kristiansen B, et al. A new non-craniotomy model of subarachnoid hemorrhage in the pig: a pilot study. *Lab Anim*. 2016;50(5):379-89.
42. Feldheiser A, Aziz O, Baldini G, Cox BP, Fearon KC, Feldman LS, et al. Enhanced Recovery After Surgery (ERAS) for gastrointestinal surgery, part 2: consensus statement for anaesthesia practice. *Acta Anaesthesiol Scand*. 2016;60(3):289-334.
43. Musso D, Flohr-Madsen S, Meknas K, Wilsgaard T, Ytrebo LM, Klaastad O. A novel combination of peripheral nerve blocks for arthroscopic shoulder surgery. *Acta Anaesthesiol Scand*. 2017;61(9):1192-202.
44. Musso D, Klaastad O, Ytrebo LM. Postoperative Analgesia after Shoulder Surgery. *Anesthesiology*. 2018;129(2):379-80.
45. Haugaa H, Ytrebo LM. Vasopressin and nitroglycerine may reduce bleeding during liver resection surgery. *Acta Anaesthesiol Scand*. 2018;62(7):880-1.
46. Musso D, Flohr-Madsen S, Ytrebo LM, Klaastad O. The Effect of Infraclavicular Brachial Plexus Blocks on the Axillary Nerve. *Reg Anesth Pain Med*. 2018;43(2):222.
47. Musso D, Klaastad O, Wilsgaard T, Ytrebo LM. Brachial plexus block of the posterior and the lateral cord using ropivacaine 7.5 mg/mL. *Acta Anaesthesiol Scand*. 2019;63(3):389-95.
48. Pettersen MA, Smukkestad TI, Kristiansen S, Johansen A, Ytrebo LM. Opioid consumption in two surgical hospital wards. *Tidsskr Nor Lægeforen*. 2020;140(12).
49. Olsen HT, Nedergaard HK, Strom T, Oxlund J, Wian KA, Ytrebo LM, et al. Nonsedation or Light Sedation in Critically Ill, Mechanically Ventilated Patients. *N Engl J Med*. 2020;382(12):1103-11.
50. Hagve M, Gjessing P, Ytrebo LM, Irtun O. Nutritional support for critically ill patients in the intensive care unit. *Tidsskr Nor Lægeforen*. 2020;140(2).
51. Musso D, Klaastad O, Ytrebo LM. A combination of infraclavicular and suprascapular nerve blocks for total shoulder arthroplasty: A case series. *Acta Anaesthesiol Scand*. 2021;65(5):674-80.
52. Jakobsen et al. Continuous Infusion of Iohexol to Monitor Perioperative Glomerular Filtration Rate. *Int J Nephrol* 2022 May 24;2022:8267829. doi: 10.1155/2022/8267829.