

Mats Bertil Eriksson

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SUMMARY OF ACADEMIC CV

Degrees

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|--------------------------------|---|
| June 14 th 2022 | Affiliated Professor, Nova Medical School,
New University of Lisbon, Portugal. |
| April 18 th 1997 | Associate Professor of Anaesthesia & Intensive Care;
Uppsala University, Sweden |
| April 28 th 1987 | My Dissertation for Doctorship in Medical Science
(PhD Thesis): <i>Studies on the Fibrinolytic and
Kallikrein-Kinin Systems with Special Reference to
Thromboembolism. Experimental, Clinical and
Autopsy Investigations</i> , is based on seven original
scientific publications.
Acta Universitatis Upsaliensis, 1987. ISBN: 91-554-
2002-8. Uppsala University, Sweden |
| November 11 th 1984 | Swedish Specialist in Anaesthesia & Intensive Care;
The National Swedish Board of Health and Welfare |
| May 30 th 1980 | Full qualification (License to practice medicine);
The National Swedish Board of Health and Welfare |

DISSERTATIONS

Mentorship

Mentor in Dissertation for Doctorship in Medical Science; Strandberg:
*Experimental Studies on Diagnostic and Therapeutic Aspects of Intraosseous
Access*. Acta Universitatis Upsaliensis, 2017. ISBN 978-91-554-9937-2.
Uppsala University, Sweden. Link: <http://uu.diva-portal.org/smash/record.jsf?pid=diva2%3A1092955&dswid=-1175>

Mentor in Dissertation for Doctorship in Medical Science; Miklós Lipcsey:
*Pathophysiological, Inflammatory and Haemostatic Responses to Various
Endotoxemic Patterns*. Acta Universitatis Upsaliensis, 2006. ISBN 978-91-
554-6709-1. Uppsala University, Sweden. Link: <http://uu.diva-portal.org/smash/record.jsf?pid=diva2%3A169174&dswid=6438>

Co-mentor in Dissertation for Doctorship in Medical Science; Ewa Söderberg: *Experimental septic shock – Effects of endotoxemia with special reference to pathophysiological responses in the pig*. Acta Universitatis Upsaliensis, 2016. ISBN 978-91-554-9700-2. Uppsala University, Sweden. Link: <http://uu.diva-portal.org/smash/record.jsf?pid=diva2%3A974120&dswid=-3563>

Co-mentor in Dissertation for Doctorship in Medical Science; Magnus von Seth: *Oxygen delivery and mitochondrial dysfunction as assessed by microdialysis during interventions in experimental sepsis*. Acta Universitatis Upsaliensis, 2017. ISBN 978-91-513-0028-3. Uppsala University, Sweden. Link: <http://uu.diva-portal.org/smash/record.jsf?pid=diva2%3A1131211&dswid=195>

Co-mentor in Dissertation for Doctorship in Medical Science; Fredrik Carlstedt: *Calcium metabolism and cytokines in critical illness*. Acta Universitatis Upsaliensis, 1998. ISBN 91-554-4331-1. Uppsala University, Sweden

Co-authorship

Co-author in Dissertation for Doctorship in Medical Science; Markus Castegren: *Modulating Organ Dysfunction in Experimental Septic Shock – Effects of Aminoglycosides, Antiendotoxin Measures and Endotoxin Tolerance*. Acta Universitatis Upsaliensis, 2011. ISBN 978-91-554-8031-8.

Co-author in Dissertation for Doctorship in Medical Science; Gunilla Hjerdt-Goscinski: *Antibiotic-induced Bacterial Toxin Release – Inhibition by Protein Synthesis Inhibitors*. Acta Universitatis Upsaliensis, 2004. ISBN 91-554-6109-3.

Co-author in Dissertation for Doctorship in Medical Science; Kristina Johansson: *Mental stress and Endothelium-dependent vasodilation*. Acta Universitatis Upsaliensis, 2002. ISBN 91-554-5305-8.

Co-author in Dissertation for Doctorship in Medical Science; R. Wallin: *Studies on vasoactive peptides derived from human fibrin and fibrinogen degraded by plasmin or leucocyte elastase*. Acta Universitatis Upsaliensis, 1987. ISBN 91-554-2042-7.

Mentor in Licentiate Thesis in Medical Science; Ewa Söderberg: *Experimental Septic Shock – Effects of Endotoxemia on pathophysiologic responses in the Pig*, Uppsala University, Sweden, 2012.

BRIEF SUMMARY OF PUBLICATIONS

Including my PhD thesis, I have more than 70 original scientific papers published in peer-reviewed international journals. In 46 publications I have the first or last position in the publication list.

I have more than 90 other scientific publications e.g. textbook chapters, congress abstracts, case reports etc.

Publications in the most recent five years

- A. Larsson, M. Hultström, R. Frithof, M. Lipcsey, U. Nyman, M. Eriksson. *Creatinine-based equations overestimate glomerular filtration rate compared to a cystatin C-based equation in COVID-19*. Submitted for publication.
- Anders O. Larsson, Michael Hultström, Robert Frithiof, Ulf Nyman, Miklos Lipcsey, Mats B. Eriksson: *Differential bias for creatinine and cystatine-C derived estimated glomerular filtration rate in critical COVID-19*. Published in Biomedicines; <https://www.mdpi.com/2227-9059/10/11/2708/pdf>
- A. Larsson, A. Campbell, M. Eriksson. *Chicken antibodies are highly suitable for particle enhanced turbidimetric assays*. Frontiers in Immunology. DOI 10.3389/fimmu.2022.1016781
- A. Larsson, M. Lipcsey, M. Hultström, R. Frithof, M. Eriksson. *Plasma leptin is increased in intensive care patients with COVID-19—An investigation performed in the PronMed-Cohort*. Biomedicines 2022, 10, 4. <https://doi.org/10.3390/biomedicines10010004>.
- T. Ruge, A. Larsson, M. Lipcsey, J. Tydén, J. Johansson, M. Eriksson. *A comparison between endostatin and conventional biomarkers on 30-day mortality and renal replacement therapy in unselected intensive care patients*. Biomedicines 2021, 9, 1603. <https://doi.org/10.3390/biomedicines9111603>.
- A. Larsson, G. Strandberg, M. Lipcsey, M. Eriksson. *Effects of extensive bleeding in pigs on laboratory biomarkers*. UJMS <https://doi.org/10.48101/ujms.v126.6914>, 2021.
- M. Eriksson, P. Lafolie, M. Schierbeck, M. Hörling, A. Larsson. *Vem har ansvaret för hur journalgranskning får göras?* Dagens Medicin 2020-07-15.
- M. Eriksson, M. Lipcsey, A. Larsson. *Bestämning av kalprotectin av värde vid diagnostik av svår infektion*. Lakartidningen.se. 2021-03-17.
- E. Semenas, M. Lönnemark, P. Dahlman, M. Hultström, M. Eriksson. *Analgesic effects of dexmedetomidine and remifentanyl on periprocedural pain during percutaneous ablation of renal carcinoma*. UJMS. 125: 152 – 157, 2020.
- G. Strandberg, A. Larsson, M. Lipcsey, M. Eriksson. *Comparison of intraosseous, arterial and venous blood sampling for laboratory analysis in haemorrhagic shock*. Clinical Laboratory (65): 1169-1177, 2019.
- M. Eriksson, A. Larsson, M. Lipcsey, G. Strandberg. *The effect of hemorrhagic shock and intraosseous adrenaline injection on the delivery of a subsequently administered drug - an experimental study*. Scand. J. Trauma, Resusc. Emerg. Med. 27:29. doi: 10.1186/s13049-018-0569-z, 2019.
- L. Jedlina, O. Olin, A. Bylock, V. Casslén, M. Eriksson, M. Brewinska-Olchowik, K. Piwocka, M. Lindstam. *A novel protein-binding RNA aptamer, Apta-I, a new therapeutic tool to combat sepsis*. Critical Care 24, 2020.
- M. Eriksson. *APTA-I, a novel RNA aptamer, improves outcome in an animal model of sepsis* (oral presentation). 14th World Congress of Intensive Care, October 14th – 18th, 2019, Melbourne, Australia.

M. Eriksson. *Intraosseous Administration of Adrenaline Does Not Impair Uptake of a Subsequent Injection in Hypovolemic Shock*. Int. Conf. Emergency Med. June 12th – 15th, 2019, Seoul, Korea.

E. Söderberg, M. Eriksson, A. Larsson, M. Lipcsey.
The impact of hydrocortisone treatment on neutrophil gelatinase-associated lipocalin release in porcine endotoxemic shock.
Intensive Care Med Exp. 5(1):4. doi: 10.1186/s40635-017-0117-6.

HONORARY MISSIONS

I have several times been invited as congress speaker on International Conferences on Emergency Medicine.

2016, I represented the Swedish Society of Anaesthesiology and Intensive Care medicine at the Swedish Medical Products Agency's symposium on treatment recommendations of Novel Oral Anticoagulants in Atrial fibrillation.

Chairman of the Examination Board at a PhD dissertation (ISBN 91-554-5462-3).

I have served as an examiner in Anaesthesia & Intensive Care for medical students. This examination is a part of their final examination evaluating their surgical education.

As a member of Critical Care Medicine's Review board, I have been entrusted with the task of writing an editorial (M. Eriksson: Should High Mobility Group Box-1 protein (HMGB1) be measured in patients with severe sepsis and septic shock? If so; when, where and how? ; Crit Care Med. 2005 33: 682-3)

1995 I received 2nd prize in the Radiometer competition at the Scandinavian Society of Anaesthesia & Intensive Care.

1999 I received the 3rd and 4th prize in this Scandinavian competition, which is based upon science and ability to present these findings.

1997 I received Parke - Davis' and the Scandinavian Society of Anaesthesia & Intensive Care's scholarship for congress participation abroad.

ADMINISTRATIVE EXPERIENCE

2016 – National coordinator and main investigator in an international multicenter pharmaceutical investigation (BBEH1408-HC1408).

EDITING EXPERIENCE

Editor in "Biomedicines", Special Issues:

- Role of NO in Disease *and*

- Biomarkers of Pain

Member of "Clinics and Practice" Editorial Board.

CLINICAL EXPERIENCE

During my career as qualified in the clinical practice of Anaesthesia & Intensive Care, I have approximately 20 years of experience as head physician.