CURRICULUM VITAE

Joakim Ölmestig, MD, PhD-student

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Current position (2021 – present)

PhD-student - Department of Neurology and Neurovascular Research Unit, Herlev

Gentofte Hospital, Denmark and Danish Research Centre for Magnetic Resonance, Hvidovre Hospital, Denmark. PhD regarding cerebral small vessel disease and stroke. I'm sub-investigator on three major trials. I'm an active part of a collaboration between the Department of Neurology and Radiology, Herlev Gentofte Hospital and have helped implement MRI as the primary clinical scan for stroke patients in the Emergency Department, Herlev Gentofte Hospital. Further, I arrange and lead monthly meetings at the department to educate patients and their relatives about stroke.

Previous clinical appointments

2019 -	- 2021	Neurology resident and research assistant - Department of Neurology and
		Neurovascular Research Unit, Herlev Gentofte Hospital, Denmark. 50 % of time
		allocated to research and 50 % of time as resident.
2010	2010	Intermship 2 part Canaval practice I maaring Dry Vantain & Amuthan Negturd

- 2018 2019 Internship 2. part General practice Lægerne Bro, Kaptain & Amuthan Næstved, Denmark.
- 2018 Internship 1. part Emergency Department Slagelse Hospital, Denmark
- 2015 2016 Intern Department of Ophthalmology Rigshospitalet Glostrup, Denmark
- 2015 Intern Department of Internal Medicine Holbæk Hospital, Denmark

Education and Academic titles

2018	Medical Degree (MD) – University of Copenhagen
2013	Bachelor of medicine – University of Copenhagen

Scientific education

2016 – 2017 Research assistant/scholarship – Department of Neurology, Herlev Gentofte Hospital, Denmark. During the scholarship I performed the ETLAS-1 trial.

Oral presentations and posters

2019	Oral presentation – Lundbeck Foundation - The Brain Prize – "Tadalafil may improve cerebral microperfusion in patients with small vessel occlusion stroke (ETLAS)"
2019	Poster – Stroke Forum 2019 Aarhus – "Effect of tadalafil on cerebrovascular response in patients with lacunar stroke (ETLAS-study)"
2018	Oral presentation – World Stroke Congress Montreal – "Effect of tadalafil on cerebrovascular response in patients with small vessel disease (ETLAS-STUDY)".
2018	Oral presentation – Danish Neurological Society's Fall Meeting – "Effect of tadalafil on cerebrovascular response in patients with small vessel disease (ETLAS-STUDY)".
2016	Poster – Research day – Herlev Gentofte Hospital – "Phosphodiesterase 5 inhibition as a therapeutic target for ischemic stroke: A systematic review of preclinical studies".
Honorg	

Honors

2019 Mogens Fog Award – first prize at Danish Neurological Society's Yearly Meeting – "Effect of tadalafil on cerebrovascular response in patients with lacunar stroke".

Other scientific qualifications

2020	National Institute of Health Stroke Scale (NIHSS) certificate
2020	Good clinical practice (GCP) certificate.

Research profile

Clinical research on neurovascular signaling and stroke with focus on:

- 1. Endothelial function and dysfunction
- 2. Cerebral blood flow and perfusion
- 3. Stroke pathophysiology and treatment



Publication list

- 1. Ölmestig J, Marlet IR, Hansen RH, Rehman S, Krawcyk RS, Rostrup E, et al. Tadalafil may improve cerebral perfusion in small vessel occlusion stroke pilot study. Brain Commun [Internet]. 2020 Feb 20; Available from: https://doi.org/10.1093/braincomms/fcaa020
- 2. Dombernowsky NW, Ölmestig JNE, Witting N, Kruuse C. Role of neuronal nitric oxide synthase (nNOS) in Duchenne and Becker muscular dystrophies Still a possible treatment modality? Neuromuscul Disord [Internet]. 2018/09/11. 2018 Nov;28(11):914–26. Available from: https://pubmed.ncbi.nlm.nih.gov/30352768
- 3. Marlet IR, Ölmestig JNE, Vilsbøll T, Rungby J, Kruuse C. Neuroprotective Mechanisms of Glucagon-like Peptide-1-based Therapies in Ischaemic Stroke: A Systematic Review based on Pre-Clinical Studies. Basic Clin Pharmacol Toxicol [Internet]. 2018/03/15. 2018 Jun;122(6):559–69. Available from: https://pubmed.ncbi.nlm.nih.gov/29411931
- 4. Ölmestig JNE, Marlet IR, Hainsworth AH, Kruuse C. Phosphodiesterase 5 inhibition as a therapeutic target for ischemic stroke: A systematic review of preclinical studies. Cell Signal [Internet]. 2017/06/22. 2017 Oct;38:39–48. Available from: https://pubmed.ncbi.nlm.nih.gov/28648945