

Center of Applied Technology  
and Molecular Medicine  
international Neurovascular  
Exploratory Workshop

Exploring Postoperative Decline of Brain Function  
February 5-7, 2020  
Zurich, Switzerland

Wednesday, February 5, 2020		Thursday, February 6, 2020		Friday, February 7, 2020	
<b>Start time</b>	<b>The Vulnerable Brain, Clinics of POD / POCD</b>	<b>Start time</b>	<b>The Aging Brain, Cellular Mechanisms</b>	<b>Start time</b>	<b>Care Concepts for Vulnerable Brain Conditions</b>
08:00-09:45	<b>Session 1: Exploring postoperative decline</b> Moderators: H Jokeit, D Rüfenacht	08:00-09:45	<b>Session 5: Brain perfusion</b> Moderators: D Hasan, K Lovblad	08:00-09:45	<b>Session 9: Drug Preconditioning</b> Moderators: J Fröhlich, M Hottiger
08:00	1.1: Why exploring postoperative decline? – The vulnerable brain (Isabel Wanke)	08:00	5.1: Imaging of brain perfusion (Karl Lovblad)	08:00	9.1: Nicotinamide Riboside: Molecular concepts and clinical experience (Charles Brenner) - videoconference
08:20	1.2: Epidemiology and economics of postoperative decline (Reto Stocker)	08:20	5.2: Perioperative monitoring- Luciole (Philippe Dro)	08:20	9.2: Metformin: Review of molecular concepts and clinical experience (John Fröhlich)
08:40	1.3: Introduction - POD/POCD - public health (NN)	08:40	5.3: In-silico brain perfusion and metabolism (Yiannis Ventikos)	08:40	9.3: Ketamine preconditioning to prevent delirium (Frédérique Hovaguimian)
09:00	Discussion	09:00	Discussion	09:00	Discussion
09:45	Coffee break	09:45	Coffee break	09:45	Coffee break
10:30-12:15	<b>Session 2: Postoperative Decline: from POD to POCD</b> Moderators: H Jokeit, R Stocker	10:30-12:15	<b>Session 6: Brain and Vessel Wall Metabolism</b> Moderators: M Hottiger,	10:30-12:15	<b>Session 10: POD/POCD</b> Moderators: D Rüfenacht, J Klepper
10:30	2.1: From POD to POCD: terms and concepts (Victoria Reed)	10:30	6.1: NAD compartmentalisation regulates intracellular ADP-ribosylation dynamics during oxidative stress (Ann-Katrin Hopp)	10:30	10.1: Pre-interventional POCD risk assessment: the PIPRA concept (Henry Perschak)
10:50	2.2: POD, patient safety, and the anesthesiologist (Johannes Wacker)	10:50	6.2: Metabolic conditions of the vessel wall (Katrien De Bock)	10:50	10.2: CDVC Care Delivery Value Chain for Postoperative Decline (Daniel Rüfenacht)
11:10	2.3: Frailty as a predictor of postoperative decline (Sacha Beck)	11:10	6.3: PET imaging of brain metabolism – Positrigo (Max Ahnen)	11:10	10.3: The brain at risk: avoiding POCD - a synopsis of current understanding (David Hasan)
11:30	Discussion	11:30	Discussion	11:30	Discussion
12:15	<b>LUNCH</b>	12:15	<b>LUNCH</b>	13:00	<b>Conclusion and Farewell</b>
13:30-15:15	<b>Session 3: POD/POCD assessment</b> Moderators: K Wachter, S Beck	13:30-15:15	<b>Session 7: Cellular Aging and Inflammation</b> Moderators: M Hottiger, L Steiner		
13:30	3.1: Assessment of Memory and Cognition (Hennric Jokeit)	13:30	7.1: Mitochondrial dysfunction and the inflammatory response (Anna Csiszar)		
13:50	3.2: Assessment of Mood and Quality of Life (Katja Cattapan)	13:50	7.2: Concepts of neuroinflammation (Sergios Tsartsalis)		
14:10	3.3: Neuro Motor Index Technology - Altoida (Irene Meier)	14:10	7.3: Inflammation of endothelial cells (Wei-Lynn Wong)		
14:30	Discussion	14:30	Discussion		
15:15	Coffee break	15:15	Coffee break		
16:00-17:45	<b>Session 4: Imaging of the aging brain</b> Moderators: K Lovblad, I Wanke	16:00-17:45	<b>Session 8: POD / POCD Prevention Concepts: Preconditioning</b> Moderators: C Brenner, J Fröhlich		
16:00	4.1: Large-scale brain studies in the ageing population - an in vivo histology approach (Bogdan Draganski)	16:00	8.1: Crosstalk of metabolism and inflammation – preconditioning options (Michael Hottiger)		
16:20	4.2: Brain volume changes in normal aging? (Hans-Jürgen Huppertz)	16:20	8.2: HBOT preconditioning (Nayeli Schmutz)		
16:40	4.3 Fully automated quantification of MR brain scans - Combinostics (Jyrki Lötjönen)	16:40	8.3: Overview of current drug preconditioning (Luzius Steiner)		
17:00	Discussion	17:00	Discussion		
17:45	<b>End of day 1</b>	17:45	<b>End of day 2</b>		
	<b>Welcome Apéro</b>		<b>Meeting Dinner</b>		

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**Register now!**