

Neurosurgery Research Day; 08th April 2025
The neurosurgical journey: research driving the future

Session	Title	Speaker	Time
Moderator: R. van Lanen	Overview of departmental research activities	G. Hoogland	13:30-13:45
	Update on neurosurgery grant 2024 project	R. Haeren	13:45-13:55
	Keynote lecture: AI in health care: where are we and where can we go?	H. Woodruff	13:55-14:20
	Cervical intervertebral discs: an undercharacterized functional object (UFO)	M. Dorsthorst	14:20-14:35
	Microvascular dysfunction in subarachnoid hemorrhage: insights from sidestream darkfield imaging	H. Schenck	14:35-14:50
Coffee break			14:50-15:15
Moderator: S. Hescham	Cervical intervertebral disc height measured on MRI and X-ray compared to CT; a single center retrospective cohort study	E. Santbrink	15:15-15:30
	Neurostimulation with magnetoelectric nanomaterials in human brain slice cultures	B. Genc	15:30-15:45
	Magnetic nanomaterials for neuromodulation.	A. Wolters	15:45-16:00
	Deep learning approaches for epileptogenic zone localization using MRI	P. Koutsovelis	16:00-16:15
	Cognition in DBS recordings	S. Gimple	16:15-16:30
	Concluding remarks	A. Jahanshahi & R. Haeren	16:30-16:40
Drinks			16:40-17:30