LUXEMBOURG INSTITUTE OF HEALTH

LECTURE | Dr Julian Conrad

01.10.2024

TTM room
Luxembourg Institute of Health
1 A-B Rue Thomas Edison
L-1445 Strassen

16:00

* as the meeting room has a limited capacity, please drop an email to **bianca.dragomir@lih.lu** to register on-site

Multiparametric structural imaging in early Parkinson's disease

The diagnostic classification of people with as Parkinson's disease (PD) depends on the combination and temporal trajectories of typical clinical motor and non-motor features. To improve observer-independent detection of PD pathology in vivo, we leverage the potential of multiparametric structural imaging to improve the diagnostic accuracy for early PD. Sophisticated structural magnetic resonance imaging (MRI; susceptibility weighted-imaging (SWI), quantitative susceptibility mapping (QSM) and neuromelanin imaging (NMI) is combined with optical coherence tomography (OCT) to detect PD-pathology in vivo. Deep clinical phenotyping with quantitative ocular motor examination and video-based clinical examination complements the structural imaging approach to achieve an improved observer-independent classification of PD symptoms.

SPEAKER:
Dr Julian Conrad
Senior physician in the division of neurodegenerative diseases, department of Neurology University Medicine Mannheim, University of Heidelberg

HOST :
Rejko Krüger

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