DukeNUS Medical School

Signature Seminar Series

Approaches to Monitoring and Improving Clinical Outcomes in Pediatric Epilepsy

ABOUT THE LECTURE

Tremendous progress has been made in epilepsy care via the introduction of novel anti-seizure medications, non-pharmacological therapies, and EEG monitoring technologies. However, quantifying how these interventions improve patient outcomes in real-life settings has been challenging. In this seminar, we will review how multi-center consortia, electronic health records, as well as big data and deep learning approaches are being utilized to monitor and improve how we care for children with epilepsy.

Speaker: **Dr Dmitry Tchapyjnikov**
Assistant Professor
Departments of Pediatrics and Neurology
Medical Director
Duke Centre for Ketogenic Therapy

Host: **Dr Derrick Chan Wei Shih**
Director
KK Research Centre
Head & Senior Consultant
Department of Paediatrics, Neurology Service
KK Women's and Children's Hospital

Date: **Wednesday, 31 July 2019**

Time: **12.00 PM - 1.00 PM**
(Light refreshments will be served at 11.30 AM)

Venue: **Duke-NUS Medical School**
Amphitheatre, Level 2

Contact Person: **Ms Serene Wie, Duke-NUS Research Affairs Department**
Email: serene.wie@duke-nus.edu.sg

ABOUT THE SPEAKER

Dr. Dmitry Tchapyjnikov is an Assistant Professor of child neurology at the Duke University School of Medicine. His research focuses on integrating machine learning, comparative effectiveness, and other novel quantitative approaches to inform the medical and surgical management of pediatric epilepsy. Dr. Tchapyjnikov received his undergraduate training in neuroscience from Emory University, an MD from Eastern Virginia Medical School, and fellowships in pediatric neurology and clinical neurophysiology from Duke University.

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