



CME Session 14

Neuroimaging + Paediatrics Committee

September 13, 09:45 – 11:15

Session Title

Modern Imaging of Paediatric Epilepsy

Chairpersons

Diego Cecchin (Padova, Italy)

Donatienne Van Weehaeghe (Gent, Belgium)

Programme

09:45 - 10:05 **Luca De Palma** (Rome, Italy): Clinical Point of View on Paediatric Epilepsy with a Focus on [18F]FDG PET/MR

10:05 - 10:25 **Alexander Hammers**: Cortical Morphology and MR Post Processing in Paediatric Epilepsy

10:25 - 10:45 **Karolien Goffin** (Leuven, Belgium): How Imaging Helps the Surgeon in Paediatric Epilepsy

10:45 - 11:05 **Donatienne Van Weehaeghe** (Gent, Belgium): Are We Really Ready to Go with New PET Tracers in Paediatric Epilepsy?

Educational Objectives

1. Understand the clinical demand from a paediatrician expert in epilepsy
2. Understand what neuroradiology could offer in terms of cortical morphology and post-processing
3. Understand state of the art procedures for nuclear medicine including PET/MR and new tracers

Summary

[¹⁸F]FDG PET is increasingly been used in the setting of inter-ictal paediatric epilepsy to locate the epileptogenic focus for a possible surgical approach. In this session we will try to understand the clinical point of view of the paediatric neurologist dealing with epileptic patients. The subsequent demands and expectations from the paediatric neurosurgeon will be uncovered with particular emphasis on how images could help the surgical procedure. Finally, we will try to understand which PET tracers are “ready to go” in the scenario of paediatric epilepsy.

Key Words

Epilepsy, paediatric, PET, new tracers, MRI, neurosurgery