



CTE 3

Technologists Committee + Paediatrics Committee

Sunday, October 18, 16:45-18:15

Session Title

[¹⁸F]FDG for PET/CT and PET/MRI: The Focus on Paediatric Patients

Chairpersons

Ângelo Cardoso (Bern, Switzerland)

Julian Rogasch (Berlin, Germany)

Programme

- 16:45–17:15 **Catia Olianti** (Florence, Italy): Clinical Indications of [¹⁸F]FDG PET in Paediatric Patients
- 17:15–17:45 **Marie Luporsi** (Libramont, Belgium): Image Interpretation and Pitfalls of [¹⁸F]FDG PET in Paediatric Patients
- 17:45–18:15 **Lise Borgwardt** (Copenhagen, Denmark): Optimising [¹⁸F]FDG PET/CT and PET/MRI in Children: Balancing Time, Dose Reduction and Image Quality

Educational Objectives

1. Identify the main clinical indications for [¹⁸F]FDG PET in paediatric patients.
2. Recognise typical patterns, interpretation challenges, and common pitfalls in paediatric [¹⁸F]FDG PET imaging.
3. Discuss practical strategies to optimise PET/CT and PET/MRI in children while balancing scan time, radiation dose, and image quality.

Summary

This session is aimed especially at technologists, providing insights into the practical use and challenges of [¹⁸F]FDG PET in paediatric patients. The talks will cover relevant issues from specific clinical indications and image interpretation to age-specific practices to optimise dose and image quality of PET/CT and PET/MRI in children.

Key Words

[¹⁸F]FDG PET; Paediatric Imaging; Children; PET/CT; PET/MRI; Dose Optimisation