



CTE 1

Technologists Committee + SNMMI

Sunday, October 18, 08:00–09:30

Session Title

Technologist's Guide Launch

Chairpersons

Marta Coelho (Essen, Germany)

Ângelo Cardoso (Bern, Switzerland)

Programme

- 08:00–08:30 **Ana Grilo** (Lisbon, Portugal): Paediatric Patients are Not Small Adults – Communication Considerations
- 08:30–09:00 **Ambra Capotosto** (Padua, Italy): Achieving Diagnostic Confidence in Paediatric PET/MRI: Technical and Procedural Considerations
- 09:00–09:30 **Louise Rimanic** (Burnaby, Canada): Diagnostic Radiopharmaceuticals – Promising Agents in Paediatric Patients

Educational Objectives

1. Understand the key psychological factors influencing paediatric patient responses during nuclear medicine procedures.
2. Recognize the role of caregivers, developmental stage, and cultural context in shaping patient experience and cooperation and identify non-pharmacological strategies to reduce anxiety, improve cooperation, and minimize the need for sedation.
3. Understand key factors required to ensure consistent and reliable paediatric PET/MR imaging, including the role of multidisciplinary coordination and standardized workflows.
4. Apply key principles to optimize image quality in paediatric PET/MRI, ensuring efficient and reproducible imaging outcomes.
5. Identify and evaluate emerging diagnostic radiopharmaceuticals in paediatric imaging, focusing on their molecular targets, clinical applications, advantages, and limitations.

Summary

This session offers a comprehensive preview of the content featured in this year's Tech Guide Publication, which looks into the health considerations and diagnostic procedures for paediatrics patients in nuclear medicine settings.

Key Words

Paediatric Patient, Communication, PET/MRI, PET/CT, Promising Tracers