



### **CME Session 13**

Paediatrics Committee + Neuroimaging Committee

**Wednesday, October 21, 08:00–09:30**

#### **Session Title**

**The Evolving Role of Nuclear Medicine in Paediatric Epilepsy: From Seizure Focus Localisation to Prognostic Imaging**

#### **Chairpersons**

**Donatienne Van Weehaeghe** (Gent, Belgium)

**Pietro Zucchetta** (Padua, Italy)

#### **Programme**

- 08:00–08:30 **Christian Dorfer** (Vienna, Austria): Paediatric Epilepsy: The Neurosurgeon's View
- 08:30–09:00 **Eser Ergün** (Ankara, Türkiye): Functional Neuroimaging with PET in Paediatric Epilepsy: Current Status and Future Directions
- 09:00–09:30 **Isabel Roca Bielsa** (Barcelona, Spain): SPECT in Childhood Epilepsy: Focus Localisation and Clinical Decision-Making

#### **Educational Objectives**

1. Review the current role of PET and SPECT in localising seizure foci in paediatric epilepsy.
2. Discuss best practices and pitfalls in PET and SPECT imaging for childhood epilepsy.
3. Integrate the imaging, neurological, and neurosurgical perspectives on focus localisation and pre-surgical planning in childhood epilepsy.

#### **Summary**

This session reviews PET and SPECT in paediatric epilepsy, focusing on seizure focus localisation, prognostic imaging, clinical decision-making, and surgical planning, while highlighting the complementary perspectives of imaging specialists and paediatric neurosurgeons.

#### **Key Words**

Epilepsy; Children; PET; SPECT; Seizure Focus Localisation; Epilepsy Surgery