



LIPS Session 6

Paediatrics Committee

Monday, October 19, 09:45–11:15

Session Title

The Evolving Role of Bone Scintigraphy in Pediatric Imaging: Current Indications and Challenges

Chairpersons

Pinar Kiratli (Ankara, Türkiye)

Pietro Zucchetta (Padua, Italy)

Programme

- 09:45–10:15 **Helen Nadel** (Stanford, CA, United States of America): Paediatric Bone Scan as a Localization Study
- 10:15–10:45 **Maria Carmen Garganese** (Rome, Italy): Bone Scintigraphy in the Assessment of the Limping Child
- 10:45–11:15 **Zvi Bar-Sever** (Tel Aviv, Israel): Advances in Pediatric Bone Scintigraphy Using a 360° Total Body SPECT/CT Camera

Educational Objectives

1. Recognise the current indications for paediatric bone scintigraphy as a problem-solving and localisation tool in clinical practice.
2. Discuss the role of bone scintigraphy in evaluating the limping child, including strengths, limitations, and common diagnostic scenarios.
3. Describe recent technical advances in paediatric bone scintigraphy, including 360° total-body SPECT/CT, and their potential clinical impact.

Summary

This interactive case-based session reviews current uses of paediatric bone scintigraphy, including localisation of symptoms, assessment of the limping child, and advances with 360° total-body SPECT/CT, highlighting the clinical value, diagnostic challenges, and evolving practice.

Key Words

Paediatric; Bone Scintigraphy; Bone Scan; Limping Child; SPECT/CT; 360° Total-Body SPECT/CT