Session Title:
Pitfalls & Pearls in Paediatric Musculoskeletal

Chairperson
Marie Luporsi (Paris, France)

Programme
29 min  Diego de Palma (Varese, Italy): Physiological, Variants & Benign Tumours
29 min  Isabel Roca (Barcelona, Spain): Non-Tumoural and Paraneoplastics Pitfalls
29 min  Marie Terroir Cassou (Toulouse, France): Challenging Cases
3 min   Session Summary by Chairperson

Educational Objectives
1. Review of physiological aspects and main variants in Paediatric Musculoskeletal (MSK) disease.
2. Describe characteristics of benign tumours (vs aggressive lesions) and learn how to identify a “no touch lesion”.
3. Learn the main non-tumoral pitfalls in paediatric MSK (particularly infectious, traumatic, metabolic, or constitutional...)

Summary
This session will explore the most frequent pearls and pitfalls in paediatric musculoskeletal disease through the prism of nuclear medicine as a part of a multimodal approach. In the first presentation, we will review together physiological aspects of MSK according to age and their main variants. Then, we will describe the most common benign tumours encountered in paediatrics, and discuss on how to distinguish benign tumours from aggressive lesions that will require further investigations. Once reassured on these classical “no touch lesions”, we will make an overview in the second presentation of the non-tumoral pitfalls that can lead to diagnostic difficulties. We will finish this session with some hands-on and we will challenge you with some clinical cases.

Key Words
PET/CT, SPECT/CT, Paediatric, Musculoskeletal, Pitfalls, Benign Tumour