

Barcelona, Spain

Annual Congress of the
European Association of Nuclear Medicine

October 12 – 16, 2019
Barcelona, Spain

Pitfalls & Artefacts 1 - Interactive

Paediatrics Committee

Sunday, October 13, 08:00-09:30

Session Title

Pitfalls and Artefacts in Paediatric Nephro-Urology

Chairpersons

Diego De Palma (Varese, Italy)

Lars Kurch (Leipzig, Germany)

Programme

08:00 - 08:30 Ana Isabel Santos (Almada, Portugal): Dynamic Renal Scintigraphy

08:30 - 09:00 Zvi Bar-Sever (Petach-Tikva, Israel): Static Cortical Scintigraphy

09:00 - 09:30 Lorenzo Biassoni (London, United Kingdom): Radionuclide Cystography

Educational Objectives

1. To revise the main clinical indications of the procedures
2. To understand their role within multimodality evaluation of paediatric nephro-urologic pathologies
3. To identify their main artefacts
4. To identify main pitfalls that may compromise clinical interpretation of the procedures

Summary

The session will be focused on how paediatric nuclear medicine can be useful for the management of main nephro-urologic diseases presenting in childhood, mainly:

- Dynamic renal scintigraphy in dilated congenital hydronephrosis and uretero-hydronephrosis;
- Cortical renal scintigraphy in urinary tract infection and kidney malformations
- Radionuclide cystography in both vesico-ureteral reflux and bladder instability

The integrative role of these procedures in a multimodality management of the clinical problems will be dealt with, as well as the need for a careful technique, in order to reduce pitfalls with consequences on clinical interpretation.

Key Words

Paediatric nephro-urology, Dynamic Renal Scintigraphy, Diuretic renogram, Static Cortical Scintigraphy, Direct radionuclide cystography, Indirect radionuclide cystography, Multimodality evaluation