



## Special Symposium 6

Bone and Joint Committee

**Monday, October 21, 09:45 - 11:15**

### Session Title

**MSK in 2024: Follow the Guide(lines)!**

### Moderators

**Davina Mak** (London, UK)

**Jules Zhang-Yin** (Arlon, Belgium)

### Programme

09:45 - 10:15 **Tim Van den Wyngaert** (Antwerp, Belgium): Joint EANM/ESNR/EUROSPINE guideline on bone SPECT/CT in suspected facet joint arthropathy and non-infectious post-operative spine conditions

10:15 - 10:45 **Richard Graham** (Bath, UK): EANM ring geometry SPECT/CT position paper

10:45 - 11:15 **Marija Punda** (Zagreb, Croatia): EANM/ESCEO/ECTS DXA guideline

### Educational Objectives

1. Provide the latest updates for bone SPECT/CT in suspected facet joint arthropathy and non-infectious post-operative spine conditions.
2. Present a position paper which will hopefully inspire the use and future research into ring geometry SPECT/CT in bone imaging.
3. Provide key elements pertaining to the use of DXA in clinical practice, considering both technical and clinical aspects.

### Summary

1. The joint EANM/ESNR/EUROSPINE guideline project bone SPECT/CT of the spine based on the literature review and evidence extraction with
  - Technical report: detailing the search strategy, screening and selection process, and evidence tables for every reference that was included so far in the review.
  - Narrative report: a brief summary of every included reference, grouped by study outcome and using a more or less standard template.
2. Full-ring 360° CZT technology is an exciting development that gives SPECT/CT near PET/CT resolution and fully leverages the benefit of 3D imaging in an acceptable time envelope of around 20 minutes for a whole-body scan while potentially reducing radiation exposure to the patient. This technology will likely become mainstream and cause a paradigm shift in nuclear medicine practice, not only for theranostic applications. Now is the time to let go of planar imaging and embrace the full potential of full-ring SPECT/CT, including dynamic and blood pool imaging. In anticipation of a broader evidence base, this position paper will hopefully inspire the use and future research into this exciting technology, including applications beyond bone imaging.



3. The updated DXA practice guideline provides recommendations to assist imaging specialists and clinicians in requesting, performing and interpreting DXA and VFA. The updated DXA practice guideline did not include applications in pediatrics, but will be followed in another publication of IWG.

**Key Words**

Patient-centered care; patient needs; empathy; emotional aspects