Session Title
Software Tools and Approaches to Measure Nuclear Brain Images

Chairpersons
Silvia Morbelli (Genoa, Italy)
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Programme
11:30 - 12:00  Valentina Berti (Florence, Italy): Software Tools and Approaches to Measure FDG PET Brain Images

12:00 - 12:30  Juan Domingo Gispert (Barcelona, Spain): Software Tools and Approaches to Measure Amyloid PET Brain Images

12:30 - 13:00  Jacques Darcour (Nice, France): Software Tools and Approaches to Measure Dopaminergic Brain Imaging

Educational Objectives
1. To familiarize with the tools available to objectively assess glucose metabolism, amyloid load and nigro-striatal integrity
2. To learn strengths and weaknesses of different approaches
3. To appropriately choose a semi-quantitative support for image interpretation in various conditions

Summary
The use of software tools for brain molecular imaging has been extensively validated for its added diagnostic value, providing a more objective and standardized output, a higher inter-rater agreement and higher quality standards for routine use in clinical practice to guide clinical management. The session will focus on the various tools available for three widely available neuroimaging methods in nuclear medicine, namely brain glucose metabolism assessment, amyloid imaging and dopaminergic imaging. The session will provide important information on the most recent developments for an improved clinical practice, of utmost importance for nuclear medicine physicians and personnel.

Key Words
Amyloid PET imaging, FDG PET imaging, DAT imaging, Dopaminergic imaging, Analysis tool, Software tool