



Special Track Session 8

Neuroimaging Committee

Monday, October 6, 16:45 – 18:15

Session Title

Round Table: Tau PET Imaging: Ready for Clinical Use

Moderators

Elsmarieke van de Giessen (Amsterdam, Netherlands)

Alexander Drzezga (Cologne, Germany)

Round Table Participants

Ruben Smith (Lund, Sweden)

Gregory Mathoux (Geneva, Switzerland)

Elena Doering (Cologne, Germany)

Marie R. Vermeiren (Amsterdam, Netherlands)

Educational Objectives

After attending this session, participants will be able to:

1. Understand the current status and challenges of standardizing Tau PET protocols, including optimal imaging windows, tracer-specific considerations, and the relevance of the upcoming EANM/SNMMI procedure guideline.
2. Identify the key elements and pitfalls in visual interpretation of Tau PET, particularly in differentiating T+/T- cases.
3. Recognize methods for staging tau pathology using Tau PET, incorporating both visual and quantitative approaches, and assess their clinical utility and limitations.
4. Appreciate the importance and current efforts of harmonization in Tau PET imaging, including the development of unified quantification and software tools that support reproducible assessments across tracers and centers.

Summary

Tau PET imaging has emerged as a powerful tool for detecting and tracking tau pathology in neurodegenerative diseases, particularly Alzheimer's disease. With several tracers now in research and early clinical use, the field is on the cusp of wider clinical application. This round table brings together leading experts to critically assess whether Tau PET is ready for routine clinical use and what steps are still needed to ensure robust, reproducible, and interpretable imaging. Key topics will include procedure standardization, interpretation of borderline cases, pathological staging using PET, and harmonization across tracers and platforms. The session will also highlight insights gained during the development of the upcoming EANM procedure guideline.

Key Words

Tau; PET; visual read; harmonization; staging; procedure guideline