



## **Learn & Improve Professional Skills Session 14**

Neuroimaging Committee

**Wednesday, October 8, 09:45 – 11:15**

### **Session Title**

**PET Response Assessment in Neurooncology**

### **Chairpersons**

**Ian Law** (Copenhagen, Denmark)

**Nathalie Albert** (Munich, Germany)

### **Programme**

09:45 – 10:05 **Nathalie Albert** (Munich, Germany): PET RANO criteria in gliomas

10:05 – 10:25 **Nelleke Tolboom** (Utrecht, Netherlands): Meningiomas

10:25 – 10:45 **Antoine Verger** (Nancy, France): Brain metastases

10:45 – 11:05 **Antoine Rogeau** (Paris, France): CNS Lymphomas

11:05 – 11:15 Questions

### **Educational Objectives**

1. To gain an understanding of current knowledge in the evaluation of brain tumor treatment using PET imaging.
2. To comprehend the methodological application of PET RANO criteria.
3. To develop skills in evaluating treatment response with PET imaging in neuro-oncology.

### **Summary**

There is current evidence that PET imaging can monitor the effects induced by novel treatments, such as various forms of immunotherapy, which are being evaluated for brain tumors. In this context, incorporating PET into routine clinical imaging and clinical trials for treatment response evaluation are both useful and important. This session will present the current knowledge on treatment response assessment using PET imaging in gliomas, meningiomas, brain metastases, and CNS lymphomas. Additionally, the methodology for applying PET RANO criteria will be introduced.

### **Key Words**

PET RANO criteria; neuro-oncology; glioma; meningioma; brain metastases; CNS lymphoma