



Learn & Improve Professional Skills Session 9

Oncology & Theranostics Committee

Tuesday, October 7, 08:00 – 09:30

Session Title

Pitfalls in PSMA-Based RLT: Case-Based Review

Chairpersons

Caroline Stokke (Oslo, Norway)

Matteo Bauckneht (Genova, Italy)

Programme

08:00 – 08:30 **Matteo Bauckneht** (Genova, Italy): Pitfalls in patient selection

08:30 – 09:00 **Andrei Gafita** (Baltimore, United States of America): Pitfalls in response assessment

09:00 – 09:30 **Julia Brosch-Lenz** (Glen Burnie, United States of America): Pitfalls in dosimetry and radiation protection

Educational Objectives

1. Focus on key clinical and imaging challenges in patient selection for PSMA-based radioligand therapy (RLT).
2. Identify common pitfalls in response assessment and their impact on clinical decision-making.
3. Recognize pitfalls related to dosimetry and radiation protection in PSMA-RLT.

Summary

PSMA-based radioligand therapy (RLT) has emerged as a promising approach for metastatic castration-resistant prostate cancer (mCRPC), but several challenges remain in clinical practice. Patient selection, response assessment, and dosimetry play critical roles in optimising treatment outcomes, yet each step is prone to specific pitfalls that can impact both efficacy and safety.

This session will feature a case-based, interactive discussion of these key challenges. Through real-world clinical scenarios, participants will explore the complexities of patient selection, the nuances of interpreting treatment response, and the technical and practical considerations of dosimetry and radiation protection. Each lecture will present challenging cases, engage the audience in decision-making discussions, and highlight common errors and misconceptions. This approach will foster a deeper understanding of the practical aspects of PSMA-RLT and enhance participants' ability to apply these insights in their own clinical practice. Through expert presentations, case discussions, and audience interaction, attendees will gain valuable knowledge on avoiding pitfalls, improving treatment strategies, and refining their approach to PSMA-based RLT.

Key Words

PSMA; Radioligand Therapy; Patient Selection; Response Assessment; Dosimetry; Radiation Protection