

Barcelona, Spain

Annual Congress of the
European Association of Nuclear Medicine

October 12 – 16, 2019
Barcelona, Spain

Pitfalls & Artefacts 4 – Interactive

Oncology & Theranostics Committee

Monday, October 14, 11:30-13:00

Session Title

PSMA Imaging

Chairpersons

Paolo Castellucci (Bologna, Italy)

Wolfgang Fendler (Essen, Germany)

Programme

11:30 - 12:00 Carlos Artigas (Brussels, Belgium): Common Pitfalls of ^{68}Ga -PSMA 11

12:00 - 12:30 Francesco Ceci (Torino, Italy): Un-usual Findings and Pitfalls of Different PSMA Compounds

12:30 - 13:00 Wolfgang Fendler (Essen, Germany): Pitfalls and Variants of ^{68}Ga -PSMA 11 in CRPC - Implications for RLT

Educational Objectives

1. Learn about unusual physiological PSMA uptake. Be aware of possible non-prostatic PSMA increased uptake Understand capabilities and limitations of this technique
2. To review and understand differences and possible sources of misinterpretations using different PSMA compounds
3. To understand sources of reader disagreement and false PSMA PET interpretation in patients with CRPC

Summary

1. Some years after the first Ga-PSMA PETscan was performed, some experience has been gathered in order to properly interpret images. With this session, we will try to give a wide overview going from physiological distribution of PSMA-ligands to possible pitfalls and unusual findings with which we can be confronted in the routine clinical practice.
2. Many different PSMA compounds are available. We will review the normal distributions, potential artefacts and difficult interpretations of the most used PSMA compounds
3. This talk summarizes pitfalls and variants of PSMA PET interpretation in patients with castration resistant prostate cancer. Implications for PSMA RLT will be discussed.

Key Words

PSMA, prostate cancer, pitfalls, mCRPC