Pre-Congress Symposium 9
Oncology & Theranostics + Thyroid Committee / European Society of Endocrine Surgeons (ESES)
Tuesday, October 12, 09:00-12:00

Session Title
Nuclear Endocrinology in the Era of Precision Medicine

Chairpersons
Sona Balogova (Bratislava, Slovakia)
Jesus Villar del Moral (Granada, Spain)

Programme
09:00 - 09:25  Melpomeni Fani (Basel, Switzerland): Precision Medicine in Endocrinology. The Radiopharmacist’s View
09:25 - 09:50  Luca Giovanella (Bellinzona, Switzerland): Functional and Molecular Thyroid Imaging
09:50 - 10:15  David Taïeb (Marseille, France): Molecular imaging of endocrine neoplasms: a practical approach for well-tailored imaging protocols
10:15 - 10:30  Break
10:30 - 10:55  Petra Petranović Ovčariček (Zagreb, Croatia): Impact of Imaging on Personalized Parathyroidectomy in Primary and Renal Hyperparathyroidism
10:55 - 11:20  Marco Raffaelli (Rome, Italy / ESES): Integration of Molecular Imaging in the Personalized Approach to Patients with Adrenal Masses
11:20 - 11:45  Frédéric Sebag (Marseille, France / ESES): Imaging of MEN1, MEN2 and VHL - The Endocrine Surgeon's View
11:45 – 12:00 Round table/Discussion/Perspectives

Educational Objectives
On successful completion of this activity, participants should be able to:

1) Understand how radiopharmaceuticals are positioned in the modern evaluation of endocrine neoplasms
2) Describe molecular imaging features of various endocrine neoplasms and how to tailor imaging protocols to the different situations
3) Understand the value of molecular imaging for precision surgery (e.g., parathyroid, thyroid, adrenal surgery)
4) Understand the role of molecular imaging in endocrine tumour susceptibility syndromes (e.g., MEN1, MEN2, VHL)
Summary
In Medicine, Endocrinology is probably the domain that encompasses the most molecular imaging using various radiopharmaceuticals. This is due to the diversity of molecular targets, including hormone synthesis pathways expressed uniquely by endocrine tumors and the growing knowledge in their pathophysiology and genetics. Those radiopharmaceuticals not only serve as diagnostic agents but they also serve as a platform for characterize endocrine disorders and treat patients. This pre-congress EANM/ESES joint symposium will provide a very up-to-date knowledge about molecular imaging of endocrine neoplasms in the era of precision medicine, with a special emphasis on endocrine surgery.

Key Words
PET, endocrinology, neuroendocrine neoplasms, adrenal, thyroid, parathyroid, hereditary syndromes