Session Title
Sentinel Lymph Node in Head & Neck, Penile and Gynaecological Cancers

Chairperson
Sona Balogova (Bratislava, Slovakia)

Programme
21 min Soňa Balogová (Bratislava, Slovakia): Sentinel Lymph Node in Malignant Skin Melanoma
22 min Renato Alfredo Valdés Olmos (Leiden, Netherlands): Sentinel Lymph Node in Head and Neck Cancers
22 min Oscar Brouwer (Amsterdam, Netherlands): Sentinel Lymph Node in Penile Carcinoma
22 min Sergi Vidal Sicart (Barcelona, Spain): Sentinel Lymph Node in Gynaecological Cancers
3 min Session Summary by Chairperson

Educational Objectives
1. To learn about physiology, pitfalls and artefacts in sentinel lymph node detection in malignant skin melanoma, head & neck, penile and gynaecological cancers in the context of available bibliographic evidence.
2. To learn about imaging findings in atypical and infrequent presentations or variants in sentinel lymph node localisation.
3. To learn to avoid the possible pitfalls in sentinel lymph node detection.
4. To learn to eliminate possible imaging artefacts in sentinel lymph node detection.
5. To learn to identify the physiological characteristics or processes as a source of possible pitfalls and imaging artefacts

Summary
The sentinel lymph node (SLN) biopsy is currently a well-established tool for N-staging of localised lymphophilic cancers and is listed as a standard of care in patients with N0 malignant skin melanoma, oral squamous cell, cervical and penile cancer. However, as proposed by several teams, the method is potential also in other malignancies in the head and neck area and in other gynaecological cancers.

Several radiopharmaceuticals and non-radiopharmaceutical diagnostic agents with different mechanism of action are currently available for localisation of SLN.

During this session, the challenges in preoperative and intraoperative SLN localisation as well as the need for a correlation between functional and morphological imaging in preoperative localisation of sentinel lymph node will be specifically addressed. The present Pitfalls, Artefacts & Physiology session will deal with complex cases of sentinel lymph node detection in patients with localised head & neck, penile or gynaecological cancers.

Key Words
sentinel lymph node, lymphoscintigraphy, N0, nanocolloid (99mTc), tilmanocept (99mTc), fludoxyglucose (18F), fluorescence