ESOR
EUROPEAN SCHOOL
OF RADIOLOGY

LEVEL III

ASKLEPIOS Course

INTRODUCTION TO HYBRID IMAGING IN ONCOLOGY

August 30–31, 2018
Vienna/Austria

This ASKLEPIOS course is implemented with great support and partnership of ESHI[MT] (European Society for Hybrid, Molecular and Translational Imaging).

Education in partnership

ESR EUROPEAN SOCIETY OF RADIOLOGY

myESR.org/esor

ESOR
EUROPEAN SCHOOL OF RADIOLOGY

LEVEL III

ASKLEPIOS Course
INTRODUCTION TO HYBRID IMAGING IN ONCOLOGY

August 30–31, 2018
Vienna/Austria

Course information

This course is aimed at final-year residents, general radiologists, nuclear medicine physicians and oncologists who want to update their knowledge on new applications and state-of-the-art hybrid medical imaging of cancer. No previous practical experience of the subject is required. The expert faculty comprises nuclear medicine physicians and radiologists who will provide a series of lectures describing optimal imaging pathways for oncological diagnosis, follow-up and response assessment. Lectures will be followed by workshops allowing for interactive case discussions.

Learning objectives

- to learn the principles of hybrid medical imaging
- to learn the key clinical questions at different points in the patient's journey
- to understand the indications, limitations and comparative merits of each part in hybrid medical imaging in a wide range of oncologic conditions and how it relates to other modalities
- to appreciate the complementary roles of structural and functional/molecular imaging in cancer management
- to understand hybrid medical imaging pathways for a range of different tumour types including lung cancer, head and neck, prostate and gynaecological cancer
- to understand how information derived from imaging guides patient selection for treatment and supports individualised treatment planning

ESOR
EUROPEAN SCHOOL OF RADIOLOGY

LEVEL III

ASKLEPIOS Course
INTRODUCTION TO HYBRID IMAGING IN ONCOLOGY

Programme

INTRODUCTION TO HYBRID IMAGING IN ONCOLOGY

August 30–31, 2018
Vienna/Austria

Thursday, August 30, 2018

13:00–13:45	Registration
13:45–14:00	Welcome and introduction
14:00–14:30	**The basics of hybrid imaging** T. Beyer, Vienna/AT
14:30–15:00	**Hybrid imaging in head and neck cancer** M. Becker, Geneva/CH
15:00–15:30	**PET CT in lung cancer** K. Riklund, Umeå/SE
15:30–15:50	Coffee break
15:50–18:00	**Workshops** (T. Beyer, M. Becker, K. Riklund)

Friday, August 31, 2018

09:00–09:30	**Cardiac MRI/PET** M. Gutberlet, Leipzig/DE
09:30–10:00	**Hybrid imaging in haematological disorders** M. Mayerhöfer, Vienna/AT
10:00–10:30	**Hybrid imaging in prostate cancer** H.-P. Schlemmer, Heidelberg/DE
10:30–10:50	Coffee break
10:50–13:00	**Workshops** (M. Gutberlet, M. Mayerhöfer, H.-P. Schlemmer)
13:00–14:00	Lunch break
14:00–14:30	**Hybrid imaging in gynaecological cancer** A. Rockall, London/UK
14:30–15:00	**Hybrid imaging in paediatric oncology** S. Gatidis, Tuebingen/DE
15:00–15:30	**MRI PET present and future** G. Antoch, Essen/DE
15:30–15:50	Coffee break
15:50–18:00	**Workshops** (A. Rockall, S. Gatidis, G. Antoch)
18:00	Certificate of attendance

Host Organisers

K. Riklund
Umeå/SE

C. Herold
Vienna/AT

Venue

Tech Gate Vienna
Donau-City-Straße 1
1220 Vienna
Austria

Registration fee

ESR members in training
Early fee EUR 200; Late fee EUR 250

Non-members in training
Early fee EUR 300; Late fee EUR 350

ESR members
Early fee EUR 300; Late fee EUR 350

Non-members
Early fee EUR 400; Late fee EUR 450

(Early fee until eight weeks prior to the course)
(Late fee after eight weeks prior to the course)

Registration fees are inclusive 10% VAT.

For further information on the programme and registration please visit myESR.org/esor

This ASKLEPIOS course is implemented with great support and partnership of ESHI[MT] (European Society for Hybrid, Molecular and Translational Imaging).

ESOR
EUROPEAN SCHOOL OF RADIOLOGY

ASKLEPIOS Course
INTRODUCTION TO HYBRID IMAGING IN ONCOLOGY

LEVEL III

Learning Objectives

INTRODUCTION TO HYBRID IMAGING IN ONCOLOGY

August 30–31, 2018
Vienna/Austria

The basics of hybrid imaging

T. Beyer, Vienna/AT

- to understand what is hybrid imaging
- to discuss why hybrid imaging is better than standalone imaging
- to learn what a radiotracer is and why it is not a contrast agent
- to discuss where hybrid imaging (SPECT/CT, PET/CT, PET/MR) will take us

Hybrid imaging in head and neck cancer

M. Becker, Geneva/CH

- to describe the rationale, advantages and disadvantages of cross-sectional imaging techniques for the evaluation of head and neck squamous cell carcinoma
- to learn to plan an optimal imaging approach depending on the individual clinical situation
- to identify potential pitfalls and limitations of image interpretation and how to avoid them
- to provide a detailed radiologic report enabling correct treatment decisions

PET CT in lung cancer

K. Riklund, Umeå/SE

- to understand the importance of an accurate staging in lung cancer patients
- to appreciate the strengths and weaknesses of hybrid imaging in lung cancer staging
- to become familiar with the most important pitfalls in lung cancer staging

Hybrid imaging in haematological disorders

M. Mayerhöfer, Vienna/AT

- to understand the influence of lymphoma histology on [18F]FDG uptake on PET
- to learn the current Lugano and RECIL criteria for treatment response assessment in lymphoma patients
- to understand the current limitations of CT, MRI, and [18F]FDG-PET/CT in lymphomas
- to understand the roles of CT, MRI and [18F]FDG-PET for imaging of myeloma
- to become familiar with novel PET tracers and their potential use in haematological malignancies

Hybrid imaging in prostate cancer

H.-P. Schlemmer, Heidelberg/DE

- to understand the key clinical issues of prostate cancer management and the essential role of imaging
- to learn how multiparametric MRI should be performed and interpreted in a standardised manner according to international PI-RADS guidelines
- to appreciate the strengths of TRUS/MR fusion-guided biopsy in the clinical context
- to become familiar with the complementary roles of MR and PET for tumour detection, staging and personalised therapy

This ASKLEPIOS course is implemented with great support and partnership of ESHI[MT] (European Society for Hybrid, Molecular and Translational Imaging).

ESOR
EUROPEAN SCHOOL OF RADIOLOGY

LEVEL III

ASKLEPIOS Course
INTRODUCTION TO HYBRID IMAGING IN ONCOLOGY

Learning Objectives
INTRODUCTION TO HYBRID IMAGING IN ONCOLOGY

August 30–31, 2018
Vienna/Austria

Hybrid imaging in gynaecological cancer
A. Rockall, London/UK

- to understand the optimal role and the limitations of FDG-PET/CT in gynaecological cancer
- to know the pitfalls on PET imaging that can readily be avoided by joint review with MRI
- to know the key advantages of combining PET information with MRI
- to learn about new tracers being developed for use in gynaecologic cancer

Hybrid imaging in paediatric oncology
S. Gatidis, Tuebingen/DE

- to know basic technical aspects of PET/CT and PET/MR with respect to paediatric imaging: choice of tracer, tracer dosage, CT and MRI protocols, dose exposure, patient preparation
- to know the main indications for the use of hybrid imaging in paediatric oncology
- to know the main differences between PET/CT and PET/MR with respect to diagnostic information and indications
- to know specifics and pitfalls in reading whole body PET/CT and PET/MR examinations in paediatric oncology

MRI PET present and future
G. Antoch, Essen/DE

- to learn about the current status and future perspectives of PET/MRI
- to learn about indications of PET/MRI in oncology
- to be able to define clinically relevant imaging protocols

myESR.org/esor

ESHI MT
This ASKLEPIOS course is implemented with great support and partnership of ESHI MT (European Society for Hybrid, Molecular and Translational Imaging).

ESOR
EUROPEAN SCHOOL
OF RADIOLOGY

Please note that programmes are marked with a logo to indicate their classification according to the European Training Curriculum.

LEVEL I	First three years of training
LEVEL II	Fourth and fifth year of training (general radiologist standard)
LEVEL III	Subspecialty training standard

ESOR stands for education in partnership.

This ASKLEPIOS Course is implemented with great support and partnership of ESHI[MT] (European Society for Hybrid, Molecular and Translational Imaging).

ESHI[MT]
EUROPEAN SOCIETY FOR HYBRID, MOLECULAR AND TRANSLATIONAL IMAGING

myESR.org/esor

ESR EUROPEAN SOCIETY OF RADIOLOGY