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LEVEL II+III

GALEN ADVANCED Course

CARDIO-THORACIC CROSS-SECTIONAL IMAGING

July 4-5, 2019
Tübingen/Germany

ESOR EUROPEAN SCHOOL
OF RADIOLOGY

ESRF EUROPEAN SOCIETY
OF RADIOLOGY

EDUCATION IN PARTNERSHIP

LEVEL II+III

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Course information

This course is aimed at senior residents and recently board-certified radiologists. The purpose of the course is to consolidate the knowledge in chest and cardiac radiology and to provide an integrated view into state-of-the-art cardio-thoracic cross-sectional imaging. The course is focused on the advanced applications of CT and MR in chest and cardiac imaging. The range of topics covers the currently most challenging areas of cardio-thoracic radiology such as management of acute chest pain patients, with pulmonary infections or nodules, and the role of imaging in structural heart diseases. The faculty consists of internationally renowned European experts sharing their expertise and best cases. The combination of didactic lectures with interactive workshops guarantees the high educational value of this teaching programme.

Learning objectives

- to become familiar with the latest technical and methodological advances in cardio-thoracic imaging
- to understand the diagnostic and prognostic value provided by state-of-the-art radiology
- to consolidate knowledge about the current best practice indications for patients with challenging pulmonary and cardiac pathology
- to learn about the increasing role of imaging biomarkers in cardiovascular radiology



Programme

CARDIO-THORACIC CROSS-SECTIONAL IMAGING

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Thursday, July 4, 2019

13:00-13:45	Registration
13:45-14:00	Welcome and introduction
14:00-14:30	New insights into pulmonary embolism M. Prokop, Nijmegen/NL
14:30-15:00	Current role of cardiac CT in acute coronary syndromes F. Bamberg, Freiburg/DE
15:00-15:30	Old disease - modern diagnosis and treatment: acute aortic syndromes C. Loewe, Vienna/AT
15:30-15:50	Coffee break
15:50-18:00	Workshops (M. Prokop, F. Bamberg, C. Loewe)

Host organiser



K. Nikolaou
Tübingen/DE

Friday, July 5, 2019

09:00-09:30	To touch or not to touch? Management of pulmonary nodules M.-P. Revel, Paris/FR
09:30-10:00	Staging, treatment decision and follow-up of lung cancer M.O. Wielpütz, Heidelberg/DE
10:00-10:30	The forgotten organ: the oncologic heart M. Francone, Rome/IT
10:30-10:50	Coffee break
10:50-13:00	Workshops (M.-P. Revel, M.O. Wielpütz, M. Francone)
13:00-14:00	Lunch break
14:00-14:30	Cardiac inflammation and tissue characterisation J. Bremerich, Basel/CH
14:30-15:00	Cardiac interventions: role of CT for planning and imaging complications C. Artzner, Tübingen/DE
15:00-15:30	Pulmonary infections T. Franquet, Barcelona/ES
15:30-15:50	Coffee break
15:50-18:00	Workshops (J. Bremerich, C. Artzner, T. Franquet)
18:00	Certificate of attendance

Venue

Hotel Krone Tübingen
Uhlandstrasse 1
72072 Tübingen
Germany

Registration fees

ESR members in training
Early fee EUR 220; Late fee EUR 270

ESR members
Early fee EUR 420; Late fee EUR 470

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

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Learning Objectives

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New insights into pulmonary embolism

M. Prokop, Nijmegen/NL

- to learn how to optimise your imaging protocols in challenging patients
- to be able to recognise imaging artifacts and understand how to avoid them
- to understand the role of perfusion maps obtained from dual energy or subtraction CT as well as dynamic MRA
- to become familiar with the clinical classification of PE and corresponding prognostic indicators
- to understand the changing clinical interpretation and consequences of subsegmental pulmonary emboli

Current role of cardiac CT in acute coronary syndromes

F. Bamberg, Freiburg/DE

- to understand current concepts in the diagnostic work-up of acute chest pain
- to understand the role of cardiac CT in the setting of acute chest pain
- to be familiar with current scientific evidence on cardiac CT in acute chest pain
- to learn about future perspectives of acute chest pain imaging

Old disease – modern diagnosis and treatment: acute aortic syndromes

C. Loewe, Vienna/AT

- to become familiar with the natural history, pathology, and prognosis of acute aortic syndromes
- to learn about diagnostic strategies in acute aortic syndromes
- to become familiar with the most important imaging-derived biomarkers for accurate therapy of acute aortic syndromes
- to understand the challenges in the treatment of acute aortic syndromes

To touch or not to touch?

Management of pulmonary nodules

M.-P. Revel, Paris/FR

- to summarise the recent knowledge about nodule classification
- to review the radiologic features suggesting a benign or malignant nature
- to avoid common errors in nodule categorisation or measurement
- to review the current nodule management guidelines

Staging, treatment decision and follow-up of lung cancer

M.O. Wielpütz, Heidelberg/DE

- to get used to the present TNM classification system
- to choose the appropriate imaging modality for lung cancer screening, staging and follow-up
- to learn about imaging features and recent radio-pathological correlations in lung cancer

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The forgotten organ: the oncologic heart

M. Francone, Rome/IT

- to become aware of most common cardiac “pseudo-masses” with related diagnostic pitfalls
- to review typical anatomic locations and signal characteristics of most common benign and malignant cardiac tumours
- to comprehend the importance of cardiac MRI in detecting sub-clinical myocardial damage in patients undergoing chemotherapeutic treatment
- to review the spectrum of radiotherapy-induced myocardial and pericardial damage

Cardiac inflammation and tissue characterisation

J. Bremerich, Basel/CH

- to understand pathophysiology of myocarditis
- to distinguish myocarditis from other forms of myocardial injury
- to be aware of diagnostic algorithms including multimodality imaging
- to apply parametric tissue mapping to identify and characterise different forms and stages of myocarditis

Cardiac interventions: role of CT for planning and imaging complications

C. Artzner, Tübingen/DE

- to understand the role of CT for minimally invasive and transcatheter interventions
- to learn the role of CT to diagnose complications after cardiac intervention and surgery
- to review the role of CT for functional imaging and guided interventions
- to learn the role of CT to detect cardiac and thoracic abnormalities

Pulmonary infections

T. Franquet, Barcelona/ES

- to know the pathologic basis of different pulmonary infections
- to review the imaging findings in the new emergent lung infections
- to discuss some imaging features suggestive of specific diagnoses
- to emphasise a clinical-radiologic approach in the diagnosis

EDUCATION IN PARTNERSHIP

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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.

The GALEN Courses are implemented with the support of our valued partner Bracco.