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LEVEL I+II

ASKLEPIOS

Course

EMERGENCY RADIOLOGY

June 4-5, 2020
Kaliningrad/Russia

ESOR EUROPEAN SCHOOL
OF RADIOLOGY

ESR EUROPEAN SOCIETY
OF RADIOLOGY

EDUCATION IN PARTNERSHIP

LEVEL I+II

ASKLEPIOS Course

EMERGENCY RADIOLOGY

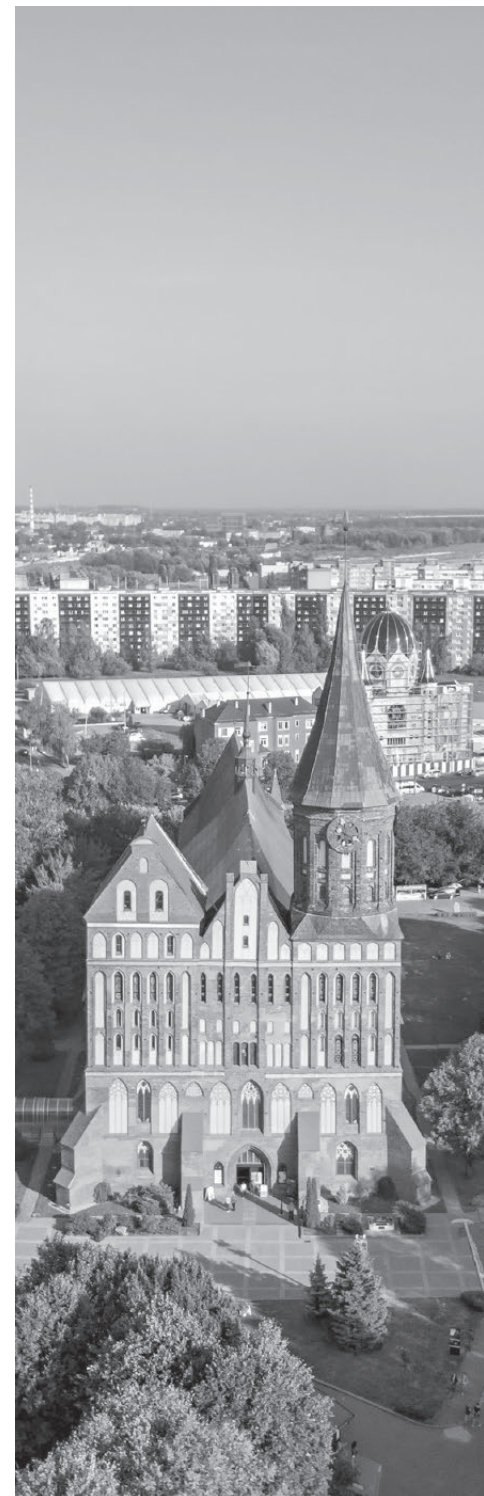
June 4-5, 2020
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Course information

The course is designed for senior residents and board-certified radiologists, who want to improve and expand their knowledge in emergency radiology. The programme combines lectures and workshops on the appropriate use of diagnostic radiology in major traumatic and non-traumatic emergencies. Special attention will be given to teaching cases reflecting the most frequent and significant emergencies in clinical settings. The topics will range from brain to heart and chest, abdominal and urogenital emergencies. Well-known European experts in emergency radiology will present the latest information about radiological symptoms and signs of the emergent clinical situations, and will give updates about optimal protocols of X-ray, CT and MRI examinations and approaches to image analysis. Moreover, the speakers will illustrate the role of the radiologist in the multidisciplinary patient management as well as present possible pitfalls and difficult situations.

Learning objectives

- to review the most important cardiac and vascular emergencies and to learn about major indications for the use of cardiovascular CT and MRI
- to update the knowledge of advanced use of CT in acute stroke and its significance for interventional treatment of stroke patients
- to become familiar with major radiological signs of polytrauma and sports trauma and to understand the basics of the appropriate use of diagnostic imaging in such patients
- to learn about the advantages of abdominal CT in bowel obstruction
- to acquire information about major pelvic and gynaecological emergencies and to know about the imaging appearances of abdominal paediatric emergencies
- to review the types of adverse reactions to contrast media and to learn how to prevent and treat them
- to become familiar with overlooked findings and diagnostic errors when evaluating emergency imaging studies



Programme

EMERGENCY RADIOLOGY

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Thursday, June 4, 2020

08:00–08:45	Registration
08:45–09:00	Welcome and introduction
09:00–09:30	CT protocols for polytrauma patients A. Palkó, Szeged/HU
09:30–10:00	Advanced CT of acute stroke Y. Berthezène, Lyon/FR
10:00–10:30	Cardiac and coronary CT and MRI in acute coronary syndrome C. Loewe, Vienna/AT
10:30–10:50	Coffee break
10:50–13:00	Workshops (A. Palkó, Y. Berthezène, C. Loewe)
13:00–14:00	Lunch break
14:00–14:30	Hypersensitivity and anaphylactic reactions to contrast agents: fundamentals and treatment O. Clément, Paris/FR
14:30–15:00	Imaging of acute spinal trauma G. Bierry, Strasbourg/FR
15:00–15:30	Sport injury: joints and muscles J. Kramer, Linz/AT
15:30–15:50	Coffee break
15:50–18:00	Workshops (O. Clément, G. Bierry, J. Kramer)

Host organiser



V. Sinitsyn
Moscow/RU

Venue

Business centre "On the Island"
Oktyabrskaya str. 8
236006 Kaliningrad
Russia

Registration fees

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

ESR 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)

Friday, June 5, 2020

09:00–09:30	Acute pelvic pain in women D. Akata, Ankara/TR
09:30–10:00	Bowel obstruction: role of CT C. Stoupis, Maennedorf/CH
10:00–10:30	Acute vascular abdominal emergencies V. Sinitsyn, Moscow/RU
10:30–10:50	Coffee break
10:50–13:00	Workshops (D. Akata, C. Stoupis, V. Sinitsyn)
13:00	Certificate of attendance

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Learning Objectives

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CT protocols for polytrauma patients

A. Palkó, Szeged/HU

- to understand the need for an accurate imaging diagnostic process supporting appropriate treatment planning in patients with polytrauma through the clinical implications
- to become familiar with the imaging diagnostic algorithm, the role of MDCT and the special requirements towards imaging technique to be complied with in these conditions
- to understand the various types, role and performance of MDCT imaging protocols in achieving the fastest but at the same time most reliable imaging information

Advanced CT of acute stroke

Y. Berthezène, Lyon/FR

- to become familiar with imaging multimodal CT protocols in stroke
- to understand the role of CT in selecting patients for stroke therapies
- to understand the strengths and limitations of CT in comparison with MRI

Cardiac and coronary CT and MRI in acute coronary syndrome

C. Loewe, Vienna/AT

- to become familiar with the most important imaging biomarkers in acute coronary syndrome
- to discuss the current and possible future role of cardiac CT in the management of patients suffering from acute chest pain
- to become familiar with cardiac MR derived biomarkers after acute coronary syndromes
- to learn about the value of cardiac MR for outcome prediction after acute coronary syndromes

Hypersensitivity and anaphylactic reactions to contrast agents: fundamentals and treatment

O. Clément, Paris/FR

- to learn the clinical symptoms of hypersensitivity reactions to contrast media
- to learn how to manage the patient based on the Ring and Messmer classification
- to know the differential diagnosis between allergic and non-allergic hypersensitivity reactions

Learning Objectives

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Imaging of acute spinal trauma

G. Bierry, Strasbourg/FR

- to know the current indications for radiographs, CT and MRI
- to know spine regional anatomic and functional specificities
- to know the main mechanisms encountered in spine trauma
- to recognise the imaging footprint of each traumatic mechanism
- to be able to predict ligamentous and neural injury based on the encountered mechanism
- to be able to apply a structured analysis and report of an injured spine

Sport injury: joints and muscles

J. Kramer, Linz/AT

- to learn to differentiate emergent and semi-emergent or urgent
- to learn about specific consequences in emergent cases
- to learn to differentiate emergent vs. urgent
- to learn about consequences of specific emergent/semi-emergent cases
- to understand the emergency
- to learn about and become familiar with radiological findings

Acute pelvic pain in women

D. Akata, Ankara/TR

- to be familiar with the imaging characteristics of acute gynaecological disorders
- to be able to understand the role of US, CT and MR imaging in female pelvic pain
- to discuss the common pitfalls, challenges and tips in the imaging of these disorders

Bowel obstruction: role of CT

C. Stoupis, Maennedorf/CH

- to demonstrate the CT imaging findings of bowel obstruction
- to underline the role of CT in the diagnosis and management of small bowel obstruction (SBO)
- to review the CT signs of strangulation in adhesive SBO and their implication for patient care

Acute vascular abdominal emergencies

V. Sinitsyn, Moscow/RU

- to be aware of the main aetiologies of vascular emergencies and their significance
- to learn about the imaging modalities and protocols used in such situations with special focus on CT
- to know about the key imaging features of the most important vascular emergencies
- to understand the prognostic role of diagnostic imaging and its contribution for the selection of treatment

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.

This ASKLEPIOS Course is implemented with the support of our valued partner Lancet.

LANCET