

LEVEL II+III

**AIMS
ADVANCED IMAGING
MULTIMODALITY
SEMINAR**
Brazil 2017

EMERGENCY RADIOLOGY

August 25-26, 2017
Belo Horizonte/Brazil



This AIMS Programme is implemented with great support and partnership of CBR (Brazilian College of Radiology).

Education in partnership.

LEVEL II+III

AIMS Brazil

EMERGENCY RADIOLOGY

August 25-26, 2017
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Course information

The course is aimed at participants from Brazil, in particular last-year residents, board-certified radiologists and fellows interested in emergency radiology. It is designed to provide an in-depth review and an update on relevant aspects of imaging diagnosis of the most important traumatic and non-traumatic emergencies, including brain injury and stroke, head and neck emergencies, chest trauma and pulmonary embolism, acute aortic syndrome, acute abdomen, mesenteric ischemia, female pelvis emergencies, abdominal paediatric trauma and sports injuries. An outstanding European and Brazilian faculty will ensure a high-quality teaching programme, combining lectures and workshops, allowing for interactive case discussions.

Learning objectives

- to appreciate the potential of advanced imaging in the clinical management of traumatic injuries
- to review state-of-the-art imaging strategies and criteria available in the detection and characterisation of acute abdominal conditions
- to address the most important clinical questions, which need to be answered, in optimising management of patients with acute chest problems



Programme

EMERGENCY RADIOLOGY

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Friday, August 25, 2017

08:00-08:45	Registration
08:45-09:00	Welcome and introduction
09:00-09:30	Brain injury M. Thurnher, Vienna/AT
09:30-10:00	Head and neck emergencies A. Paes, Florianópolis/BR
10:00-10:30	Imaging acute aortic syndrome C. Loewe, Vienna/AT
10:30-10:50	Coffee break
10:50-13:00	Workshops (M. Thurnher, A. Paes, C. Loewe)
13:00-14:00	Lunch break
14:00-14:30	Chest trauma D. Escuissato, Curitiba/BR
14:30-15:00	Acute abdomen: inflammation and its mimics M. Zins, Paris/FR
15:00-15:30	Non-traumatic abdominal emergencies in children M. Raissaki, Heraklion/GR
15:30-15:50	Coffee break
15:50-18:00	Workshops (D. Escuissato, M. Zins, M. Raissaki)

Host Organisers



L. Costa
Belo Horizonte/BR



C. Carvalho
Belo Horizonte/BR

Venue

Associação Médica de Minas Gerais
Av. João Pinheiro, 161, Centro
MG-CEP 30130-180 Belo Horizonte
Brazil

Registration fee

Early fee
ESR/CBR Members: R\$ 600
(until June 10, 2017)

Late fee
ESR/CBR Members: R\$ 700
Non members: R\$ 900
(until August 24, 2017)

On-site fee
ESR/CBR Members: R\$ 770
Non members: R\$ 1030

**For registration information
please visit**

www.cursoesor.com.br

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Programme

EMERGENCY RADIOLOGY

August 25-26, 2017
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Saturday, August 26, 2017

09:00-09:30	Non-traumatic neuroradiology emergencies beyond stroke M. Thurnher, Vienna/AT
09:30-10:00	Imaging insights into pulmonary embolism C. Loewe, Vienna/AT
10:00-10:30	Imaging mesenteric ischemia M. Zins, Paris/FR
10:30-10:50	Coffee break
10:50-13:00	Workshops (M. Thurnher, C. Loewe, M. Zins)
13:00-14:00	Lunch break
14:00-14:30	Female pelvis emergencies A. Brandão, Rio de Janeiro/BR
14:30-15:00	Imaging abdominal (thoracic-abdominal) paediatric trauma M. Raissaki, Heraklion/GR
15:00-15:30	Sports injuries E. Mueller, Belo Horizonte/BR
15:30-15:50	Coffee break
15:50-18:00	Workshops (A. Brandão, M. Raissaki, E. Mueller)
18:00	Certificate of attendance



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Learning Objectives

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Brain injury

M. Thurnher, Vienna/AT

- to review key imaging findings in traumatic brain lesions
- to discuss the role of CT and MRI in brain injury
- to review important updates on the pathophysiology, diagnosis, and age-appropriate acute management of traumatic brain injury

Head and neck emergencies

A. Paes, Florianópolis/BR

- to list the common acute, traumatic and non-traumatic head and neck conditions that may be seen in the emergency setting
- to list the common head and neck cancer side effects, related to disease and treatment, that may be seen in the emergency setting
- to describe the US, CT and MR imaging findings
- to discuss appropriate treatment

Imaging acute aortic syndrome

C. Loewe, Vienna/AT

- to become familiar with the definition of acute aortic syndrome
- to learn about the most important questions to be answered by imaging in patients suffering from acute aortic diseases
- to become familiar with the optimised imaging strategy in acute aortic syndromes
- to demonstrate the most important imaging findings to indicate, select and plan the treatment

Chest trauma

D. Escuissato, Curitiba/BR

- to review the major post-traumatic abnormalities of the chest wall and associated abnormalities
- to evaluate the images of post-traumatic pneumothorax
- to discuss the differential diagnosis of post-traumatic pulmonary and mediastinal lesions

Acute abdomen: inflammation and its mimics

M. Zins, Paris/FR

- to describe and propose an effective diagnostic imaging strategy for the assessment of acute abdominal pain
- to describe typical and atypical findings of appendicitis, colonic diverticulitis and cholecystitis from different imaging modalities
- to discuss alternative diagnoses in right and left lower abdominal pain including epiploic appendagitis, infarction of the greater omentum and inflammatory bowel disease

Non-traumatic abdominal emergencies in children

M. Raissaki, Heraklion/GR

- to understand that paediatric abdominal emergencies are age-dependent
- to become familiar with the more common and potentially devastating paediatric abdominal emergencies
- to discuss imaging strategies when imaging neonates and children with a potential acute abdominal condition

Learning Objectives

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Non-traumatic neuroradiology emergencies beyond stroke

M. Thurnher, Vienna/AT

- to list clinical symptoms/presentations which require emergent neuroimaging
- to review different causes of non-traumatic neuroradiological emergencies
- to discuss imaging “red flags” in early detection of neuroradiological emergencies
- to learn pattern of imaging abnormalities and key features that suggest a particular diagnosis

Imaging insights into pulmonary embolism

C. Loewe, Vienna/AT

- to become familiar with the optimised imaging strategy in acute pulmonary embolism
- to learn about the clinical decision pathways for patients suspected to have acute pulmonary embolism
- to become familiar with the typical findings in acute and chronic pulmonary embolism

Imaging mesenteric ischemia

M. Zins, Paris/FR

- to understand the underlying physiological principles and causes of ischemic bowel disease
- to become familiar with typical CT signs of early bowel ischemia and infarction
- to describe the different stages of vascular bowel injury

Female pelvis emergencies

A. Brandão, Rio de Janeiro/BR

- to review acute gynaecological emergency causes
- to define the multimodality imaging protocol
- to understand MRI utility
- to understand the clinical presentation and imaging characteristics of the urgent life-threatening and fertility-threatening conditions
- to correlate imaging with laparoscopy aspects

Imaging abdominal (thoracic-abdominal) paediatric trauma

M. Raissaki, Heraklion/GR

- to understand differences in paediatric abdominal trauma compared to adults
- to discuss contrast-enhanced ultrasonography (Ce-US) in abdominal trauma
- to emphasise trauma CT protocols according to the ALARA principle
- to become familiar with not-to-miss types of injuries including red flags for child abuse

Sports injuries

E. Mueller, Belo Horizonte/BR

- to review mechanisms of trauma of sports-related injuries involving major joints and multimodality imaging findings
- to learn the most common sports-related injuries among different categories (e.g. basketball, cycling, baseball, gymnastics) presenting to hospital emergency department
- to understand the impact of multimodality imaging in management of sports-related fractures
- to discuss imaging findings of the most common causes of muscle pain and disability in athletes and classify sports-related muscle injuries



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.

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