Paediatric Radiology
Prague/CZ, September 5–7, 2008

Friday, September 5
16:00 – 16:45  Ultrasound imaging of acquired brain lesions in neonates and infants
               P. Elias, Hradec Králové/CZ
16:45 – 17:30  Ultrasonography of locomotor apparatus in children
               J. Skotáková, Brno/CZ
17:30 – 18:15  Dextrocardia in children and abnormalities of visceral situs
               S. Tuma, Prague/CZ

Saturday, September 6
08:30 – 09:10  Skeletal infections and inflammatory disorders in children
               G. Sebag, Paris/FR
09:10 – 09:50  Congenital malformations of the brain: strategies, what and when
               A. Rossi, Genoa/IT
09:50 – 10:20  Coffee break
10:20 – 11:00  Pulmonary infections, what’s important and what’s topical
               C. Owens, London/UK
11:00 – 13:00  Workshops (3 times 30 minutes)
13:00 – 14:00  Lunch break
14:00 – 14:40  Imaging of the newborn: specific issues
               V. Donoghue, Dublin/EI
14:40 – 15:20  Imaging the child with abdominal pain
               F. Avni, Brussels/BE
15:20 – 15:40  Coffee break
15:40 – 16:20  UTI, a logical approach and current recommendations
               M. Riccabona, Graz/AT
16:20 – 18:20  Workshops (3 times 30 minutes)

Saturday, September 7
08:30 – 09:10  Fetal imaging: from A to Z
               C. Garel, Paris/FR
09:10 – 09:50  Cross-sectional Imaging of the heart and great vessels: what and when to choose
               N. Damry, Brussels/BE
09:50 – 10:05  Coffee break
10:05 – 10:45  Imaging of brain tumours in children
               M. Argyropoulou, Ioannina/GR
10:45 – 12:45  Workshops (3 times 30 minutes)
12:45 – 13:15  Self-assessment test
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Learning objectives

Ultrasound imaging of acquired brain lesions in neonates and infants
• to become familiar with some etiopathologic and clinical, but mainly imaging aspects of the most common brain affections in neonates and infants and usefulness of transfontanellar gray scale and Doppler sonography
• The lectures will point out the differences in features of vascular encephalopathy in premature and mature neonates, show how to differentiate between passive posthemorrhagic ventriculomegaly and developing hydrocephalus and how to depict traumatic and inflammatory changes
• the value of sonography for characterization of various conditions causing the clinical syndrome of big head in infants will be also discussed

Dextrocardia in children and abnormalities of visceral situs
• to present the location of heart in the right hemithorax as a radiological sign of syndromes of abnormalities of the visceral situs
• to discuss the approach to the differential diagnoses and to review the possibility of diagnostics of complex congenital heart diseases accompanying dextrocardia
• to understand the classification and terminology of congenital heart diseases from the radiological point-of-view

Ultrasonography of locomotor apparatus in children
• to review the approach for examining locomotor apparatus in children
• to recommend the optimal algorithm of imaging methods
• to present the congenital conditions and diseases of locomotor apparatus
• to discuss the differential diagnoses

Skeletal infections and inflammatory disorders in children
• to describe the infections and inflammatory processes that may affect the paediatric skeleton
• to define the best imaging techniques to study them
• to define the imaging features allowing an accurate diagnosis

Congenital malformations of the brain: strategies, what and when
• to explain the embryology and classification of CNS malformations
• to illustrate the findings on US and cross sectional imaging
• to comment the best strategy for their work-up
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Pulmonary infections: what’s important and what’s topical
• to describe the various infections affecting the paediatric lungs
• to illustrate the imaging patterns
• to discuss the indications of cross sectional imaging

Imaging of the newborn: specific issues
• to discuss diseases that affect specifically the newborns
• to discuss the imaging approach to diseases of the chest and abdomen

Imaging the child with abdominal pain
• to discuss the differential diagnosis of abdominal pain in children
• to describe the various appearances of appendicitis in children
• to discuss the imaging approach for abdominal pain

UTI, a logical approach and current recommendations
• to define the strategies in investigating a child with UTI
• to describe usual and less usual features of UTI in children

Fetal imaging: from A to Z
• to explain how to optimize a fetal MR imaging examination
• to detail and illustrate main indications

Cross sectional imaging of the heart and great vessels: what to choose and when to choose
• to describe the main indications of cardio-vascular cross sectional imaging
• to detail their main indications and imaging findings

Imaging of brain tumours in children
• to illustrate the clinical and imaging presentation of brain tumours in children
• to define their imaging approach