

Preliminary Program – training course “Essentials in Pediatric Radiology”

Tuesday, 14th June

- 07:30 **Start Registration**
08:30 - 09:00 Initial self-assessment test
09:00 - 09:15 Opening
09:15 - 09:45 Basics of radiation protection & awareness in pediatric radiology
09:45 - 10:20 Films and Digital Radiography – specific needs for pediatric radiology
10:20 –10:50 Fluoroscopy and cone beam radiography – how to prudently apply in neonates, infants, children
10:50 – 11:00 Questions
11:00 – 12:20 **Coffee break**
11:20 – 13:10 Hands-on in 4 groups/participation in daily routine at department/clinical work
13:10 – 14:30 **Lunch**
14:30 – 15:00 Ultrasound – basics revisited and special needs for pediatric applications
15:00 - 15:50 Typical US applications in children (e.g.: UTI, appendicitis, pneumonia, abdominal pain ...)
15:50 –16:00 Questions
16:00 – 16:20 **Coffee break**
16:20 – 17:00 Imaging the pediatric cardiovascular system
17:00 – 17:20 Basic rules for simple image guided interventions in childhood
17:20 – 17:50 Imaging in common pediatric emergency situations (except neonates & trauma)
17:50 - 18:00 Questions

19:00 **Get together**

Wednesday, 15th June

- 08:30 – 9:00 Imaging in non-accidental trauma
09:00 – 9:40 Imaging the pediatric skeleton – methods, approaches, common findings
09:40 - 10:20 Typical applications and common findings in neonates (brain, spine, chest, abdomen)
10:20 - 10:30 Questions
10:30 – 11:00 **Coffee break**
11:00 – 12:45 Hands-on in 4 groups / participation in daily routine at department / clinical work work
12:45 – 14:00 **Lunch**
14:00 – 14:40 Typical & common MSK queries in childhood - when to use what: XR, CT, US, or MRI?
14:40 - 15:20 Imaging in common pediatric tumors: diagnosis, DDx, complications & follow-up
15:20 – 15:30 Questions
15:30 – 16:00 **Coffee break**
16:00 – 18:00 Afternoon workshops in small groups

Thursday, 16th June

- 08:30 – 9:15 CT – basics revisited and special needs for pediatric applications
09:15 – 9:35 Contrast media use in infants and children
09:35 - 10:20 How to tailor specific paediatric CT protocols, and how do things look like
10:20 – 10:30 Questions
10:30 – 11:00 **Coffee break**
11:00 – 12:45 Hands-on in 4 groups / participation in daily routine at department / clinical work work
12:45 – 14:00 **Lunch**
14:00 – 14:30 What every paediatric radiologist should know about nuclear medicine
14:30 - 15:00 Imaging in paediatric trauma
15:00 – 15:20 Pediatric chest imaging: plain film, CT and US
15:20 - 15:30 Questions
15:30 – 16:00 **Coffee break**
16:00 – 18:00 Afternoon workshops in small groups

19:00 **Course dinner**

Friday, 17th June

- 08:30 – 9:00 MRI – basics revisited and special needs for pediatric applications
09:00 – 9:30 Pediatric Body-MRI
09:30 - 10:00 Pediatric Neuro-MRI
10:00 - 10:30 MRI in the paediatric musculo-skeletal system
10:30 – 10:40 Questions
10:40 – 11:00 **Coffee break**
11:00 – 12:45 Hands-on in 4 groups / participation in daily routine at department / clinical work work
12:45 – 14:00 **Lunch**
14:00 – 15:30 Afternoon workshops in small groups
15:30 – 15:45 Final remarks, feedback & discussion
15:45 – 16:00 Closing, self-assessment test, distribution of certificates

16:00 **END**