

Paediatric Chest Imaging Course

Thursday 20th April 2023

Overview:

This one-day crash course in paediatric and adolescent chest thoracic imaging is intended for paediatricians and radiologists at all levels of seniority. The format of the event and topics covered will be of value not only to junior paediatricians/ radiologists but also to more senior wishing to re-visit, revise and discuss aspects of thoracic imaging

Faculty

- Dr Alistair Calder, Consultant Paediatric Radiologist, Great Ormond Street Hospital, London
- Dr Catherine M. Owens, Consultant Radiologist Great Ormond Street Hospital
- Dr Thomas Semple, Consultant Radiologist, Royal Brompton Hospital, London

This course will cover:

Sessions will cover the fundamentals of thoracic anatomy, imaging techniques and the key radiological signs. There will be a systematic review of major paediatric respiratory diseases including:

- Imaging considerations – from acquisition and technique to interpretation
- Congenital Lung Malformations
- Airways Disease
- Infections
- Childhood Interstitial Lung Disease

Target Audience:

All those interested in Paediatric Respiratory Medicine including:

- Consultants Paediatricians
- Consultant Radiologist
- Paediatric Trainees
- Radiology Trainees
- PEM Trainees
- Nurses
- CNS
- ANP

Duration: 1 day

08:30 – 09:00	Registration
09.00 – 09:05	Welcome and Introduction
09:05 – 09:45	The Chest Radiograph - A Simple Guide (AC)
09.45 – 10:15	CT - What, When and How? (AC)
	The session will aim to cover:

	<ul style="list-style-type: none"> • Immobilisation vs sedation/GA • Dose with modern vs older scanners • Controversies - Need for expiratory images? Need for contrast? • CT anatomy
10:15 – 10:45	Coffee and Networking
10:45 – 11:25	<p>Ultrasound - The Good, The Bad and The Ugly (TS)</p> <p>The session will aim to cover:</p> <ul style="list-style-type: none"> • Pleural ultrasound • Assessing motion – Diaphragms and vocal cords • Lung parenchymal ultrasound
11:25 – 12:15	<p>MRI - What, When and How? (TS)</p> <p>The session will aim to cover:</p> <ul style="list-style-type: none"> • Structural MRI and considerations (feed and wrap, breath holds, parental support) • Newer techniques (MRI of lung function) and barriers to implementation
12:15 – 13:15	Lunch and Networking
13:15 - 14:00	Congenital Lung Malformations (AC)
14:00 - 14:45	Childhood Interstitial Lung Disease from neonates to adolescents – a crash course (TS)
14:45 - 15:15	Coffee and Networking
15:15 - 15:45	Airways Disease and Respiratory Infections (TS)
16:00 – 16:45	How we got here – the evolution of paediatric respiratory imaging (CMO)