

Clinical & Radiological Approach to the Diagnosis of Skeletal Dysplasias

Course Objectives

After attending this course, delegates will:

- 1) have a grounding in the clinical, radiological, genetic and orthopaedic principles underlying skeletal dysplasia diagnosis and management
- 2) be able to diagnose commoner skeletal dysplasias
- 3) have a framework for approaching rarer disorders based on clinical or radiological presentation

Programme

Day 1: Monday 11th May 2020

Refreshments on arrival 9.00-10.00

Please submit your unknown/in cases to ACO during the breaks

10.00-10.10	Introduction	CMH
10.10-10.50	Clinical Approach to Skeletal Dysplasias	EK
10.50-11.30	Genetics Overview of Skeletal Dysplasias	SM
11.30-12.10	The Radiology of Skeletal Dysplasias	JB
12.10-12.50	Orthopaedics for Skeletal Dysplasias	AS
12.50-1.10	How the course will run	ACO
1.10-2.10	Lunch	
2.10 – 5.10pm	Relatively Common Dysplasias with short stature	
2.10-2.45	Achondroplasia (<i>FGFR3</i>)	AC/MC
2.45-3.20	Spondyloepiphyseal dysplasia congenita (<i>Col2</i>)	CMH/SM
3.20-3.40	Pseudoachondroplasia (<i>COMP</i>)	GN/JC
3.40-4.05	Tea	
4.05-4.25	Cartilage hair hypoplasia (MCD type McKusick)	CMH/SM
4.25-4.40	Diastrophic dysplasia	ACO/JC
4.40-5.00	Asphyxiating thoracic dysplasia/ chondroectodermal dysplasia	CMH/SM
5.00-5.10	Dyschondrosteosis (Leri-Weil)	JB/MC
5.10-6.00	Case-Based Review Day 1	ALL FACULTY

2: Tuesday 12th May 2020

8.45-9.45		Presentation of unknown/interesting cases	ALL FACULTY
9.45-10.15		Prenatal presentation of skeletal dysplasias	SM
10.15-10.45		Lethal skeletal dysplasias	CMH
10.45-11.05		Coffee	
		<u>Clinical Presentations</u>	
11.05-12.15	1.	The child presenting with fractures	
11.05-12.00		Reduced bone density	ACO/MC
12.00-12.45		Increased bone density	GN/SM
12.45-1.45		Lunch	
1.45-3.00	2.	The child presenting with pain/limp	
1.45-2.05		Predominantly epiphyseal dysplasias	AC/EK
2.05-3.00		Spondyloepiphyseal dysplasias	JB/JC
	3.	The child presenting with coarse facies/ regression	
3.00-3.30		Storage disorders	CMH/EK
3.30-3.45		Tea	
3.45-4.30	4.	The child presenting with lumps/bumps/ asymmetry	ACO/JC
4.30-5.30		Case-based review of Day 2	ALL FACULTY

Course Dinner: 7.30pm
Otto's Restaurant
344 Sharrow Vale Road, Sheffield, S11 8ZP

Day 3: Wednesday 13th May 2020

8.45-9.45		<u>Clinical Presentations (contd)</u>	
8.45-9.15	5.	The child with bowed legs	<i>ACO/MC</i>
9.15-9.45	6.	The child with short digits	<i>CMH/SM</i>
9.45-10.00		Coffee	
10.00-11.00		Radiological Signs Quiz	<i>CMH</i>
		<u>Radiological Presentations</u>	
11.00-11.30	1.	Stippling	<i>GN/SM</i>
11.30-11.55	2.	Dumbbell long bones	<i>JB/JC</i>
11.55-12.25	3.	Undermodelling	<i>CMH/EK</i>
12.25-1.25		Lunch	
1.25-2.00	4.	Dislocations	<i>ACO/JC</i>
2.00-2.30	5.	Craniosynostosis	<i>AC/MC</i>
2.30-3.30		Revision of Day 3/Tea	<i>ALL FACULTY</i>
3.30-5.00		Final Quiz/Presentation of Prizes	<i>ACO</i>

End of meeting

This course has achieved 19 CPD credits in accordance with the CPD scheme of the Royal College of Radiologists

FACULTY:

Dr Joy Barber	JB	Radiology
Dr Alistair Calder	AC	Radiology
Dr Jennifer Campbell	JC	Clinical Genetics
Prof Christine Hall	CMH	Radiology
Dr Esther Kinning	EK	Clinical Genetics
Prof Sahar Mansour	SM	Clinical Genetics
Prof Gen Nishimura	GN	Radiology
Dr Amaka C Offiah	ACO	Radiology
Mr Anish Sanghrajka	AS	Orthopaedic Surgery