Red Dot Xray Course June 2023

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Session Agenda

- 09.00 Introductions – faculty learning objectives and delegates learning desires
- 09:20 Shoulder / Clavicle
- 10.20 Elbow / Forearm
- 11.00 Coffee
- 11.20 Wrist / Hand
- 12.00 Lunch
- 13.00 Pelvis / Hips
- 13.40 Knee / lower limb
- 14.10 Foot / Ankle
- 14.45 Questions
- 15.00 Take Home Messages & Close

House rules

- Webinar etiquette
- Cameras
- Chat Box
- Phones
- Breaks
- Emergencies
- Respect throughout
- Qs / Future contact

Aim of this talk

Just have a quick look at this Xray buddy..?


WHAT'S
THE STORY?

‘Shall we just get an XR…?’

Radiology Principles

Ionising Radiation (Medical Exposure) Regulations (e-IRMER)

Types of Fractures

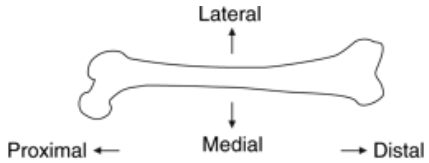
- Crush- loss of bone volume due to compression.
- Wedge- compression of bone resulting in wedge shape
- Burst- comminuted compression # with scattering of fragments
- Impacted- bone ends driven into each other.
- Avulsion- bony attachment of ligament/muscle is pulled off

- Hairline- barely visible lucency with no displacement.
- Greenstick- disruption of 1 cortex only, usually in immature bone.
- Buckle / Torus – Bend of both cortices in children

- Pathological- # due to underlying bone dx (eg OA / pagets / Ca)

Describing Fractures

- State first of all if # is open (compound) or closed
- Name the bone involved & Left or Right
- Describe the position of the # –proximal/distal/middle
- Name the type of # eg transverse, spiral etc
- Describe the deformity from anatomical position – displaced/angulated.
- State grade or classification if appropriate.
- State local complications- neuro / vascular / skin

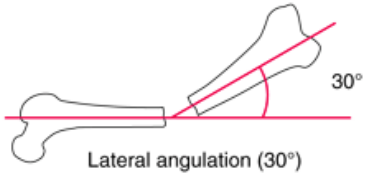


Normal

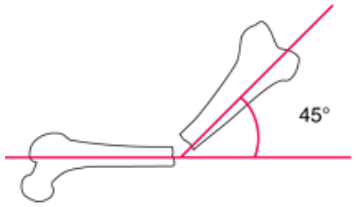
Distraction without displacement or angulation

Lateral displacement (25–50%) without angulation

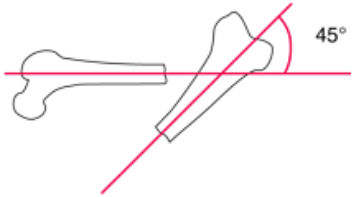
Complete (100%) lateral displacement with shortening and without angulation



Lateral angulation (30°) without displacement



Lateral displacement (about 50%) and lateral angulation (about 45°)

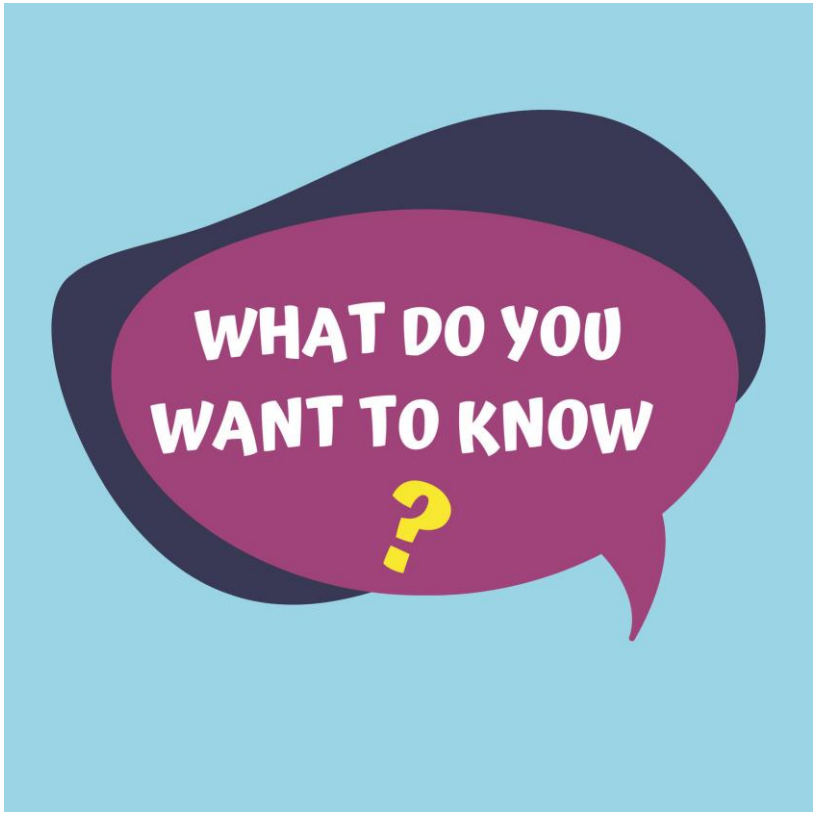


Complete medial displacement with shortening and lateral angulation (about 45°)

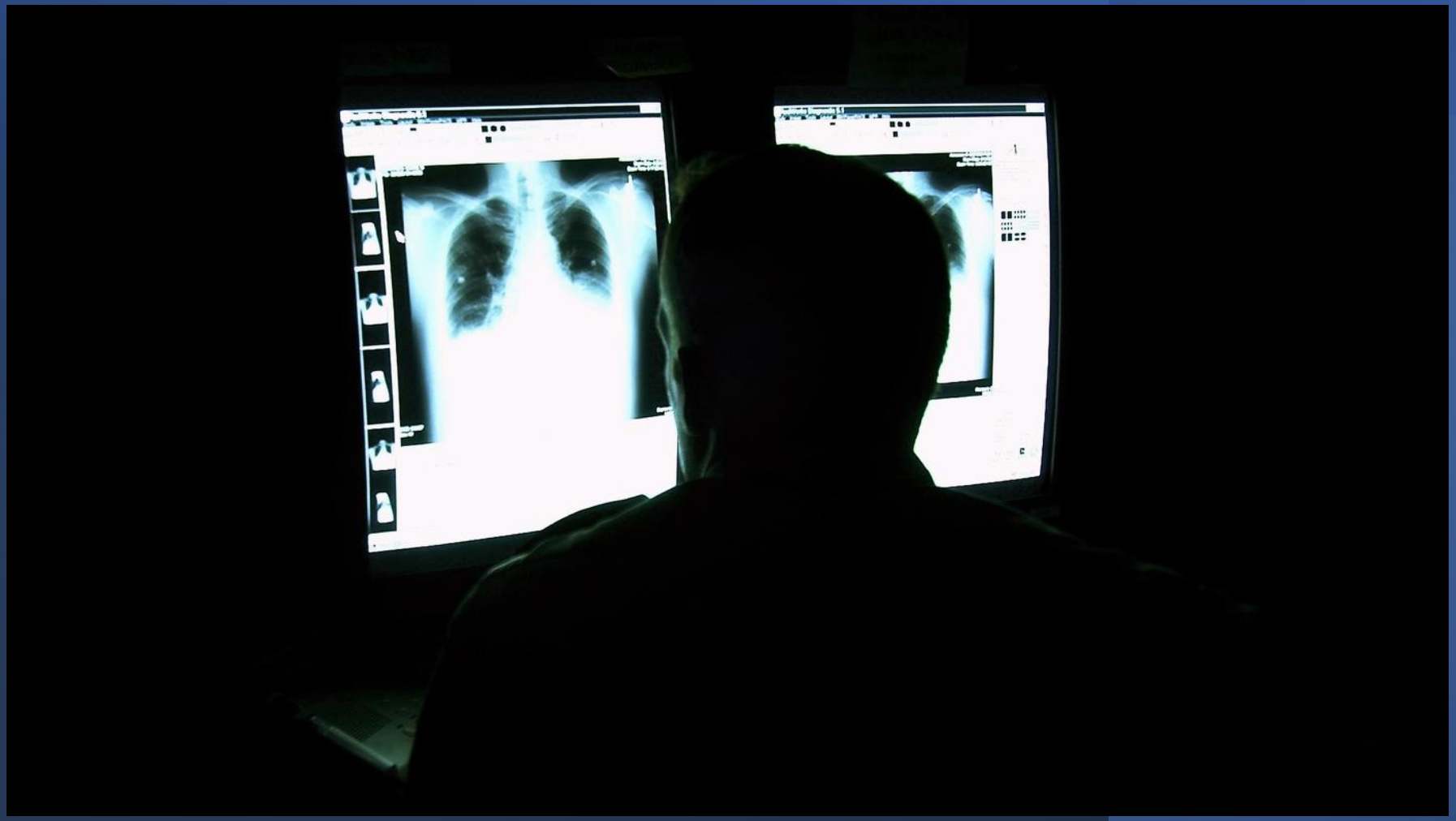
My Pledge

Radiology & You

Introductions….



Let’s come out of the Dark!



‘No question is too small & there is no such thing as a silly questions…’

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