

Week 7, Lecture 3

Miscellaneous



Other Imaging Modalities

1. Angiology
2. Arthrography
3. Tenography
4. Fluoroscopy
5. Conclusions

1. Arteriography, Venography & Lymphangiography

- ∞ Arteries, veins & lymphatic vessels can be viewed
- ∞ A contrast medium (radiopaque fluid) injected ⇒ then imaged
- ∞ Complications
 - Allergy to contrast medium, Renal failure

- ❧ Arteriogram of a paediatric patient
- ❧ Note dorsalis pedis and posterior tibial arteries

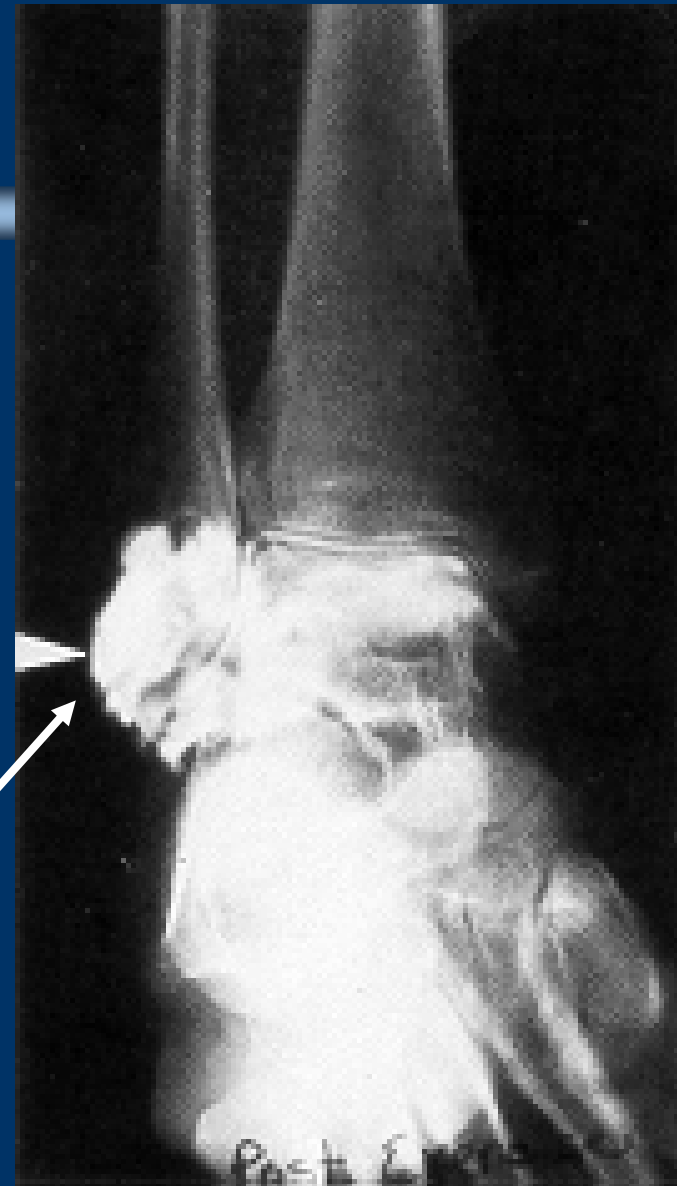


From: Berquist, 1989

2. Arthrography

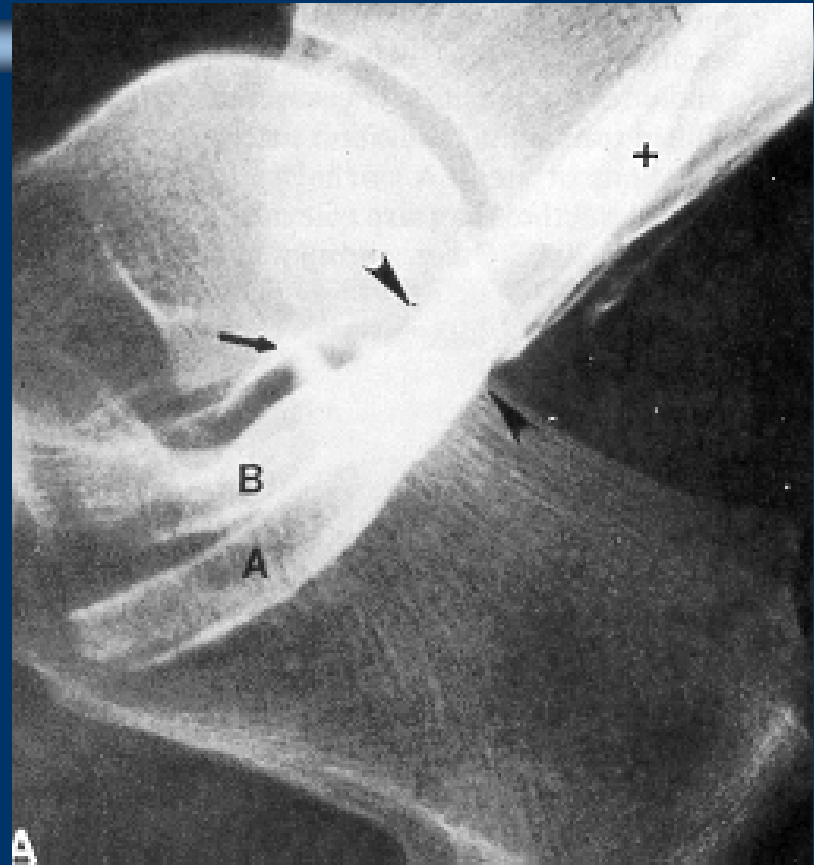
- ⌚ Arthrogram
- ⌚ Radiopaque medium injected into joint
- ⌚ Demonstrates tears of the joint capsule and joint integrity

Note leaking from the lateral capsule (i.e. capsular tear)



3. Tenography

- ⌚ Tenogram
- ⌚ Radiopaque medium injected into joint
- ⌚ Demonstrates rupture, stenosis, swelling etc.
- ⌚ Superseded by US and MRI



From: Berquist, 1989

4. Fluoroscopy

- ∞ Constant X-ray emission (dynamic picture obtained)
- ∞ Video image of the X-rays as they pass through the object being studied
- ∞ Image displayed on a TV monitor

5. Conclusion

- ⌚ Different modalities are good for different things
- ⌚ Must order logically after appropriate, detailed physical examination
- ⌚ Think about cost – at this stage you need to refer to a GP for imaging modalities other than plain film X-rays so the patient gets a Medicare rebate