Chest Posteroanterior (PA) 15/10/15

Notebook: Radiographic Practice
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Always check:

- If jewellery is taken off
- Bra taken off
- Lungs seen clearly etc
  - So much air in lungs make them look black
  - Dense structures are white (bone, heart etc)

Procedure

1. patient erect
2. ant. aspect of chest in contact with IR
3. chin raised to clear form lung apices (behind clavicles)
4. elbows flexed, dorsum of hands placed on iliac bones, elbows (back) forward to clear scapulae from lung fields
   1. push elbows again before taking the image
5. MSP perpendicular (90 deg.) to IR (measure distance from finger to IR)
6. Focus Receptor Distance (FRD) 2m, central ray (CR) 90 to IR (horizontal)
7. Centring point (CP) in midline level w/ body of T8 (bottom of scapula)
8. Exposure on arrested inspiration (breathing in)

Alternative technique

1. estimate chest stand height
2. set 2m FRD
3. centre horiz. beam to IR
4. collimate beam to IR size
5. patient chest wall against IR in feet separated (stability)
6. adjust IR to ensure C7 level w/ upper border of IR
7. chin raised to clear apices; rest chin on or against IR
8. feet apart, elbows flexed
9. collimate to patient build
10. adjust hand/ elbow position using wrist
11. apply Pb rubber to waist
12. worn patient before exp.
   1. hands on shoulders so they don't move
   2. make sure they don't lean back
   3. elbows stay forward

Image evaluation

- include costophrenic angles, lat. ribs
- any pathology?
- artefacts?
- quality suitable for report?