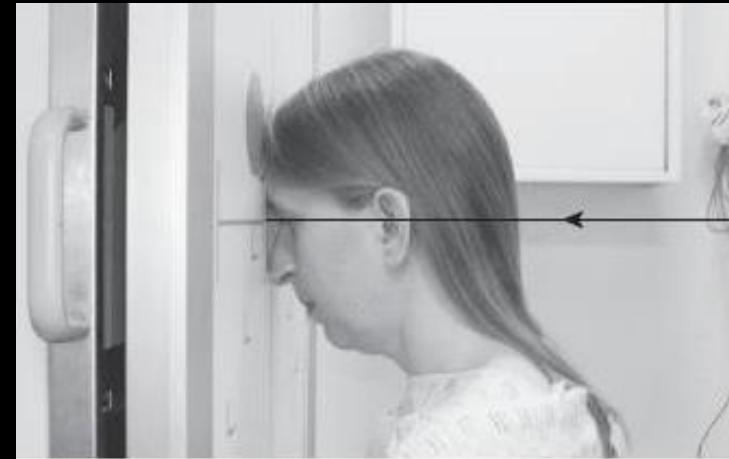
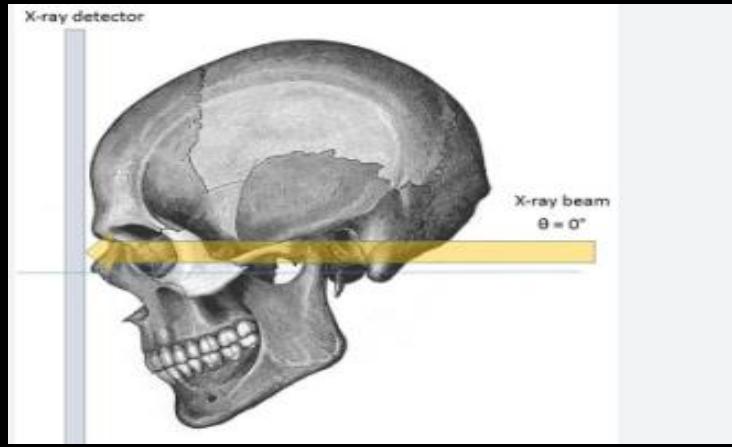




جامعة المستقبل
كلية التقنيات الصحية والطبية
قسم تقنيات الاشعة
المرحلة الثالثة

Radiography
Cranium (Skull Series)
BY
Karar Haider ALHusseini

Occipto-frontal projection (PA)



In the photograph above the central ray enters the skull through the occipital bone

and exits through the frontal bone. This is therefore an occipto-frontal (OF) Projection

IR - $24 \times 30 \text{ cm}$ ($10 \times 12''$) portrait

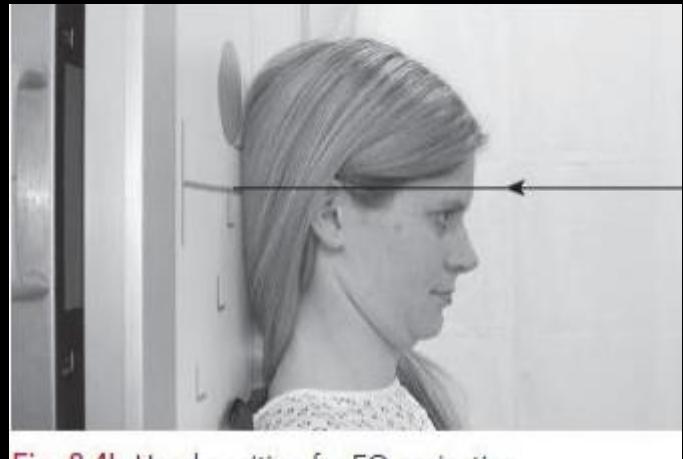
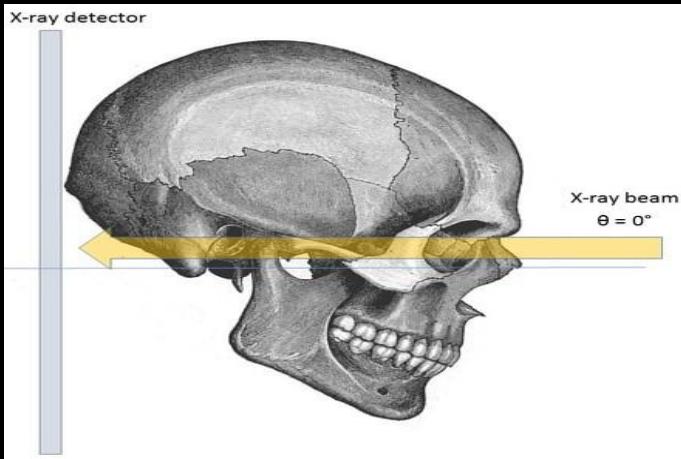
- Grid

SID: $40''$ (102 cm)

Analog: 70–80 kV

Digital Systems: 75–85 kV

Fronto-occipital projection(AP)

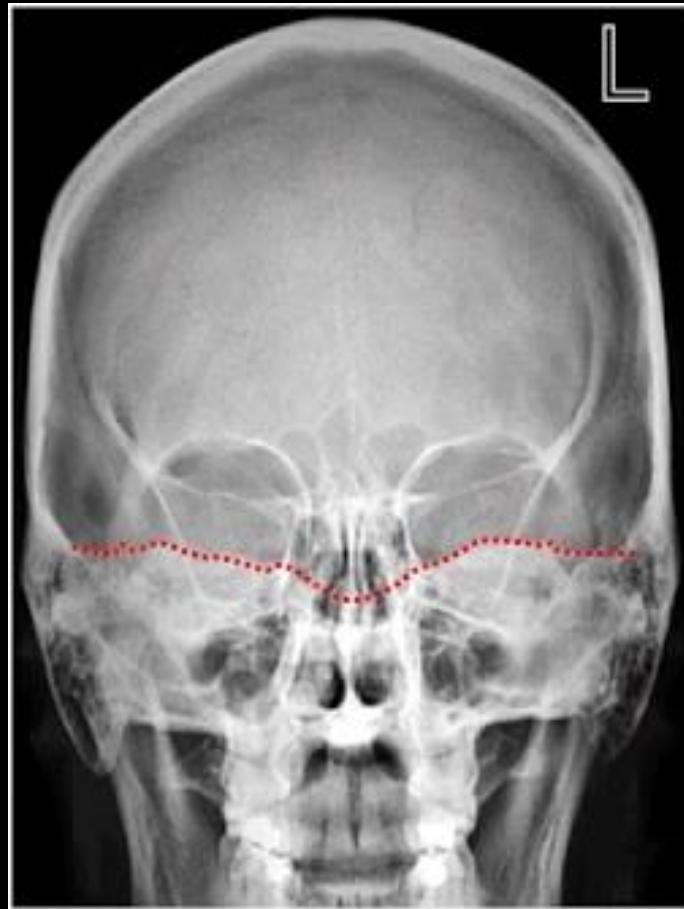


- The central ray enters the skull through the frontal bone and exits through the occipital bone. This is a fronto - occipital (FO)projection
- IR - 24×30 cm (10 × 12") portrait
 - Grid
- SID: 40" (102 cm)
- Analog: 70–80 kV
- Digital Systems: 75–85 kV

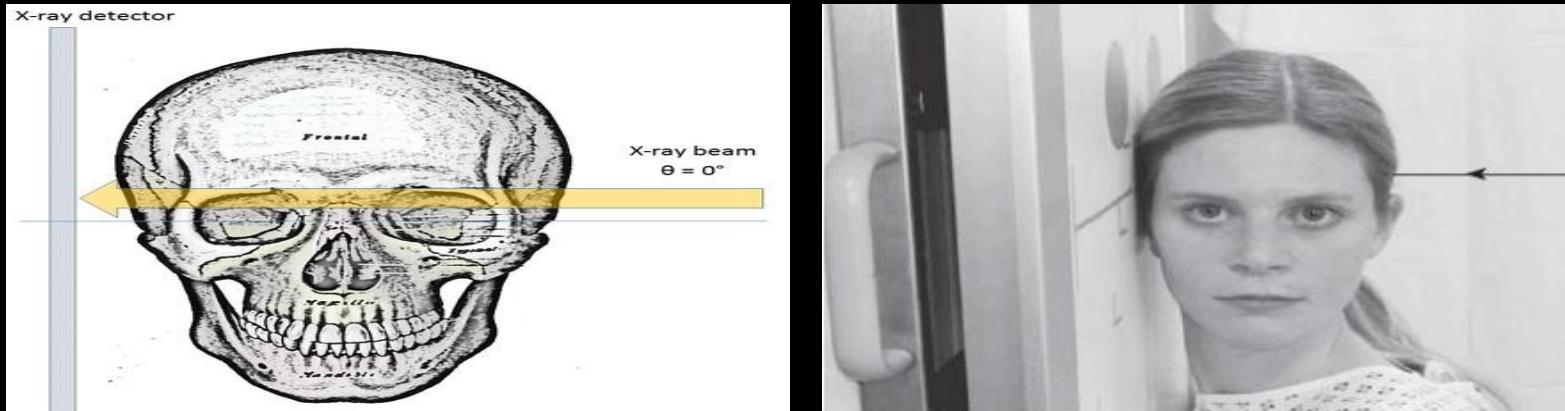
AP

and

PA



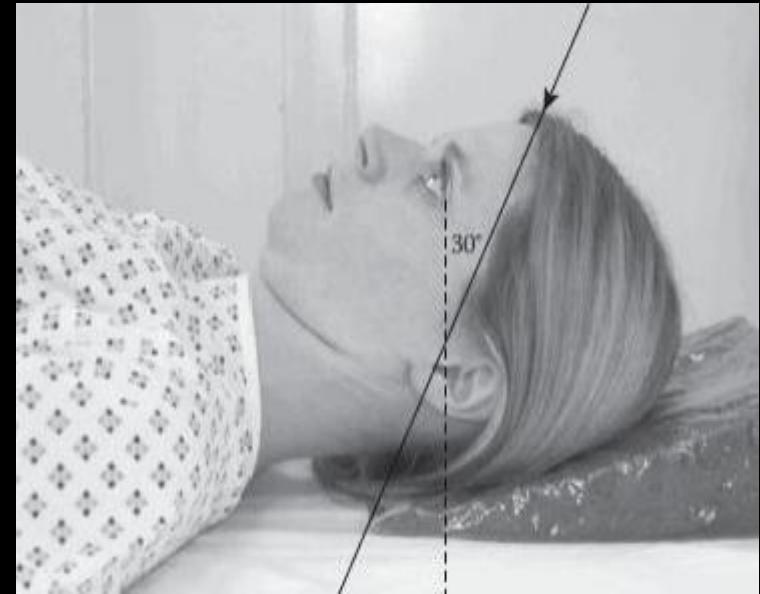
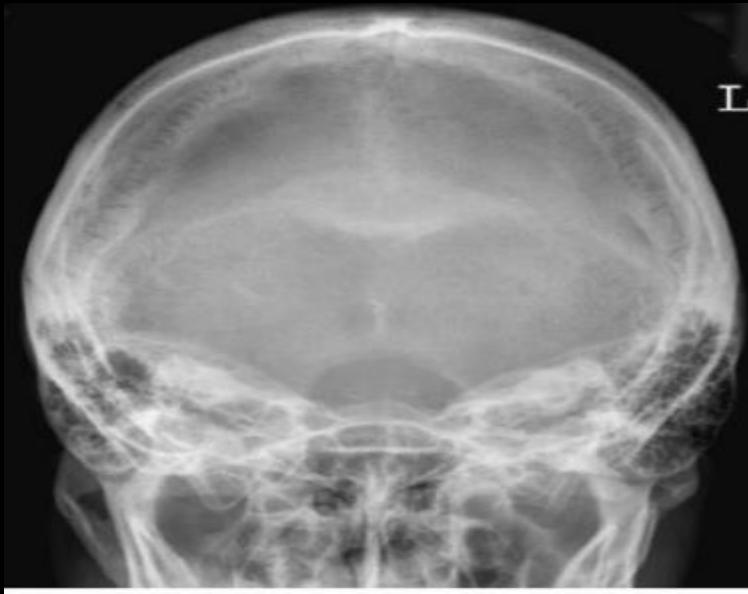
Lateral



- For the lateral projection, the collimated central ray passes along a coronal plane at
- right-angles to the median sagittal plane. It is named according to the side of the
- head closest to the image receptor/cassette. In the example below the beam enters
- the skull on the left side, passes along a coronal plane and exits the head on the
- right side where the image receptor is located. This is therefore a right lateral
- IR - $24 \times 30 \text{ cm} (10 \times 12")$ portrait
- • Grid
- SID: 40" (102 cm)

(Towne's projection)

- Position of patient and image receptor
- The patient lies supine on a trolley (or X-ray table) with the posterior aspect of the skull resting on an image receptor/ gridded CR cassette.
- The head is adjusted to bring the median sagittal plane at right-angles to the image receptor and so that it is coincident with its midline.
- The orbito-meatal baseline should be perpendicular to the image receptor.



- The collimated vertical beam is angled caudally so it makes an angle of 30° to
- the orbito-meatal base line
- IR - 24×30 cm (10×12 ") portrait
- • Grid
- SID: 40" (102 cm)
- Analog: 70–80 kV
- Digital Systems: 75–85 kV



THANK YOU

