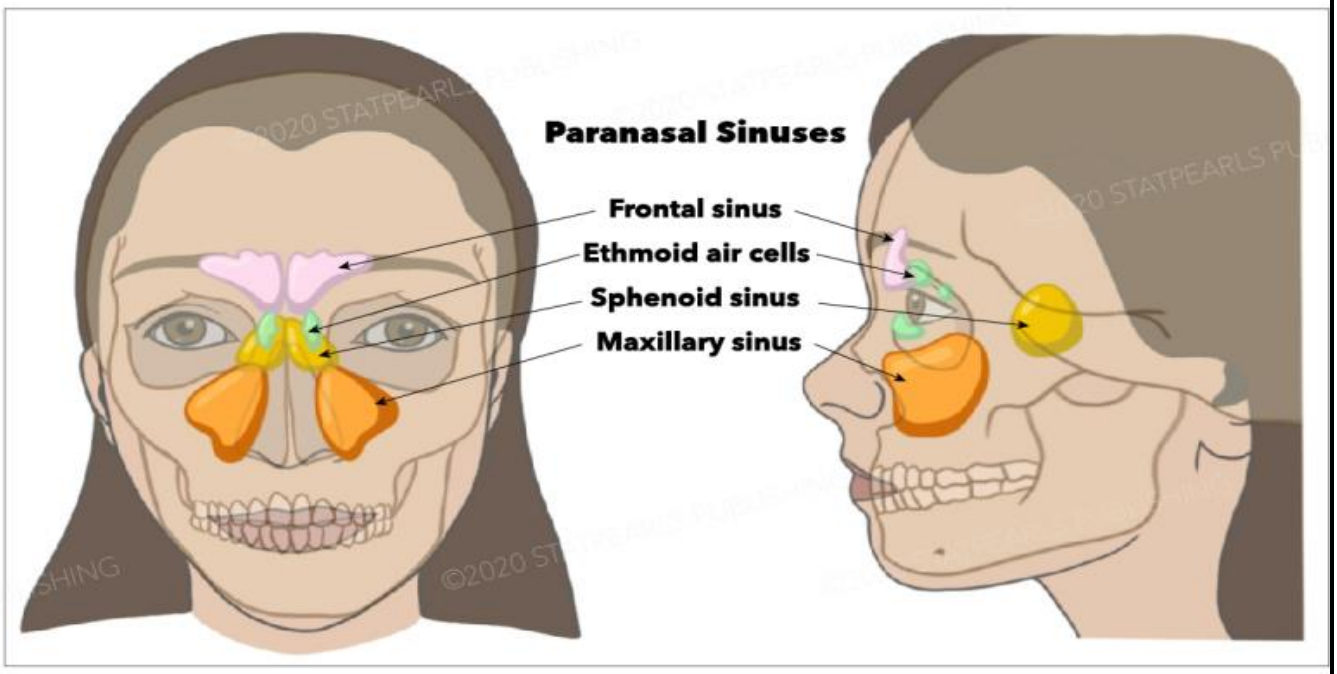
Paranasal sinuses

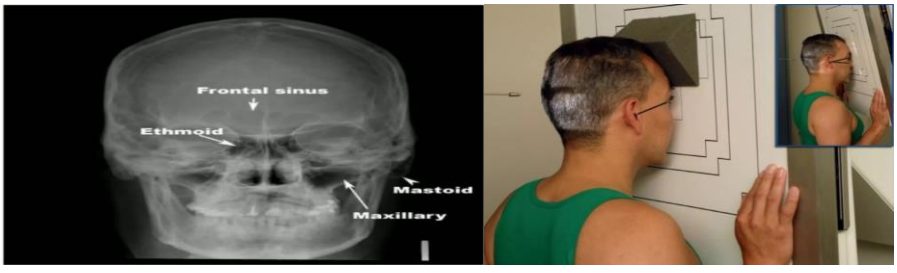
Muneer jawad MS.c RT3(2023-2024)Practical

- Maxillary sinuses (located under the eyes)
- Frontal sinuses (above the eyes)
- Ethmoidal sinuses (between the eyes)
- Sphenoidal sinuses (behind the eyes)



Different Views from Various X-ray PNS Positions

1,X-ray PNS Occipital frontal view or X-ray PNS Cadwell's view: In this view, the X-ray plate is perpendicular to the orbitomeatal line (line drawn between the outer corner of the eye and the center of the ear). The rays pass from behind the head and are angled at 15-20° to the radiographic plate.



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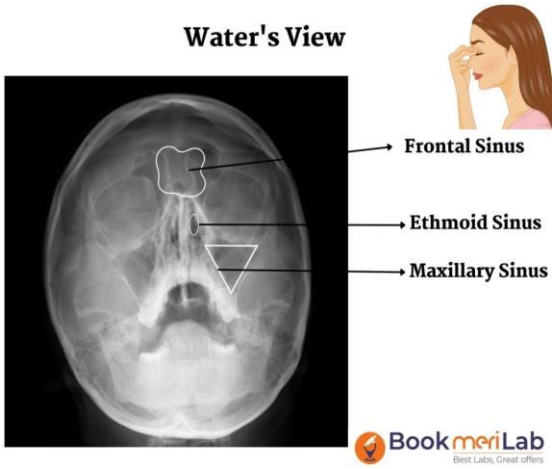
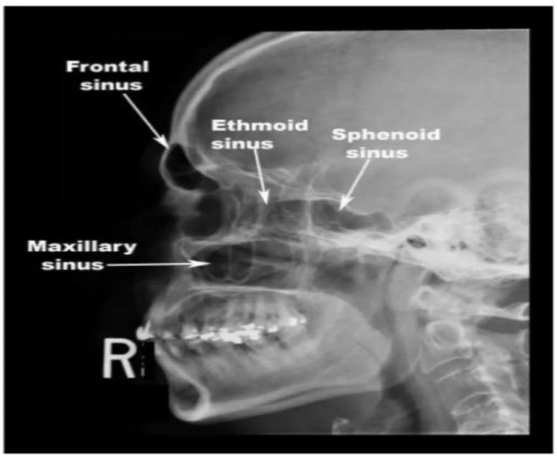
2.X-ray PNS Occipitomental view or X-ray PNS Waters view:

In this view, an x-ray beam is angled at 45° to the orbitomeatal line. The rays pass from behind the head and are perpendicular to the radiographic plate. Another variation of the waters view places the orbitomeatal line at a 37° angle to





3.X-ray PNS Lateral view: The lateral side of the skull lies against the film and the x-ray beam is projected at an angle of 90 degree from the opposite side. It is a non-angled sideway X-ray showing the anteroposterior (front to back) extent of the maxillary, frontal and sphenoid sinus.



3