

ENT SAQ

By: 430 ENT team

Anatomy & physiology of the Nose (Nose I)

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❖ Note: please refer to the original lecture given by the doctor

The pictures were sorted by:
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-Lamis Atyah Al-Malki
-Rawabi Saleh Al-Ghamdi
-Hessah Hamad Al-Ammar

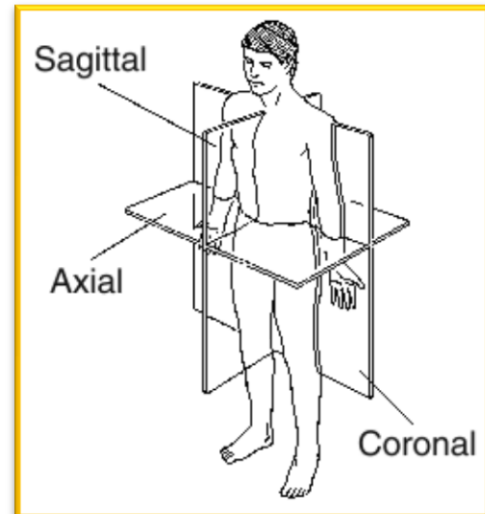


Ear, Nose
& Throat

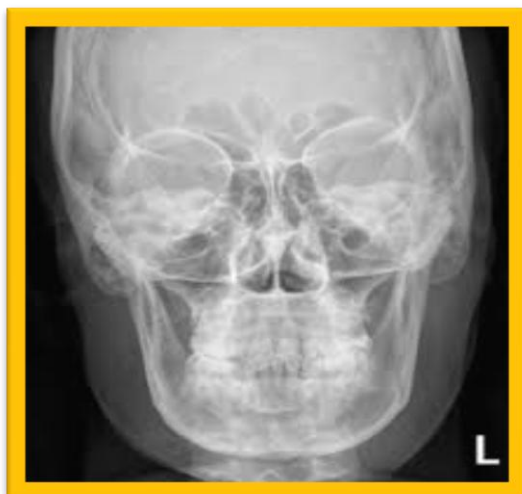
First 3 pages are Extra

(Pictures that have orange borderline are added from us to help you in understanding)

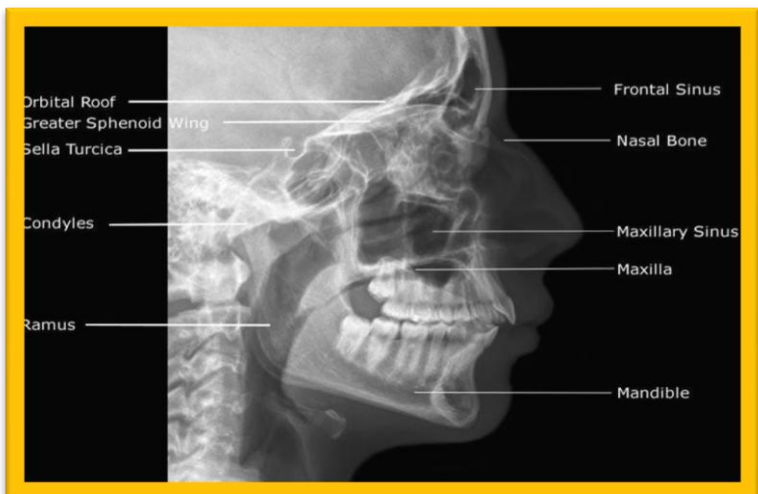
*First the Planes



Nose x ray

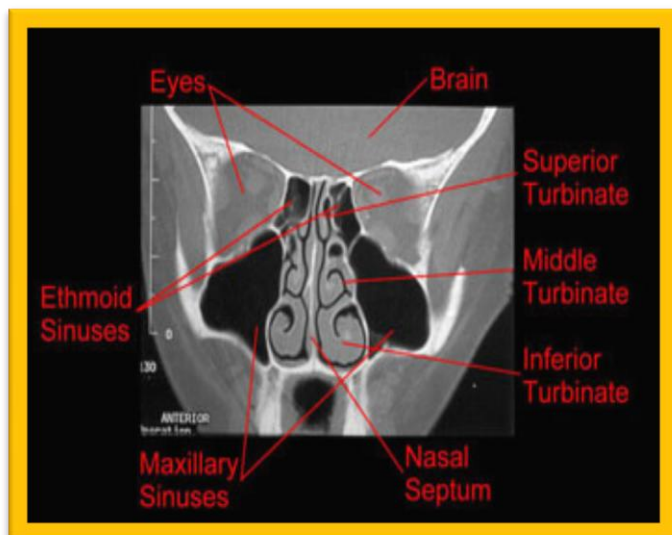


Imp. This is not Coronal.
This is occipito frontal view

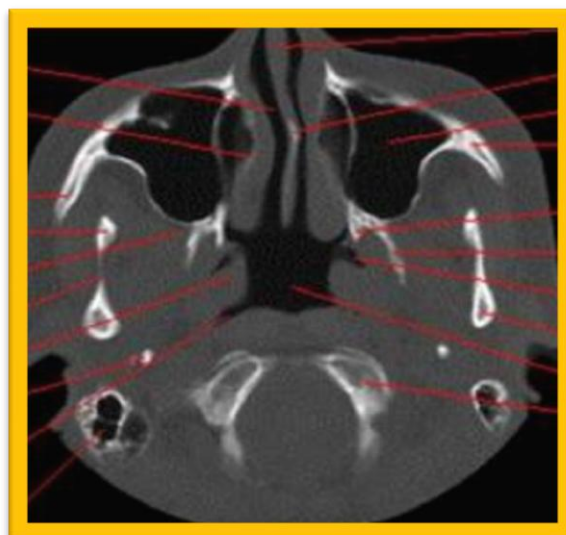


Sagittal/Lateral Plane X-Ray of
Nose

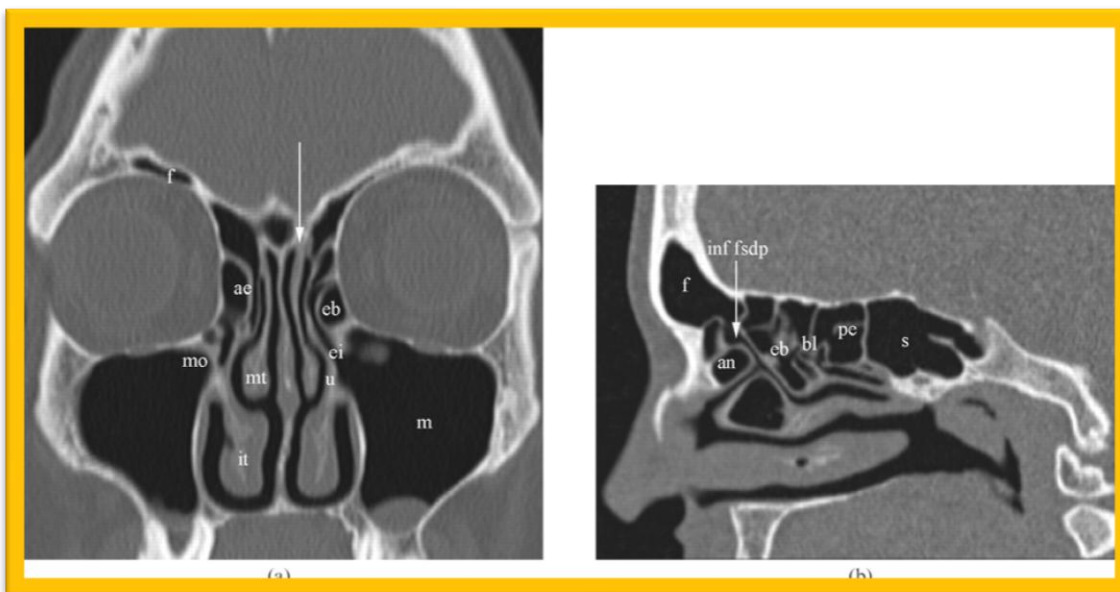
Nose CT



Nose CT Coronal



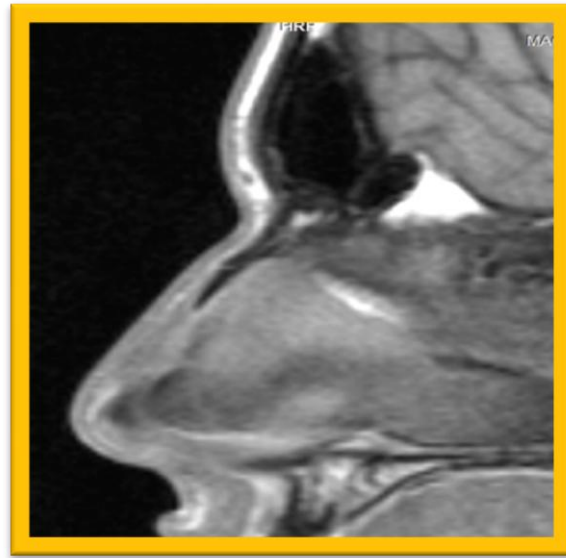
Nose CT Axial



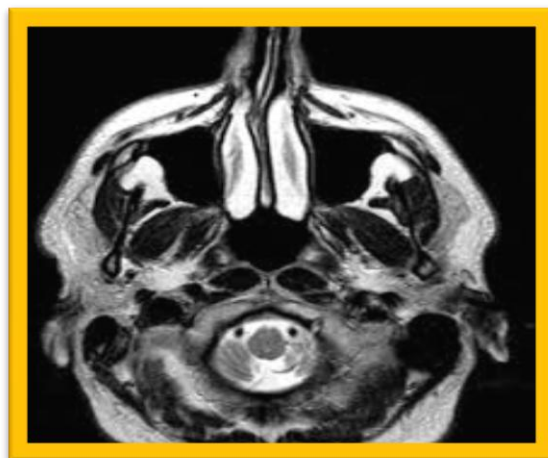
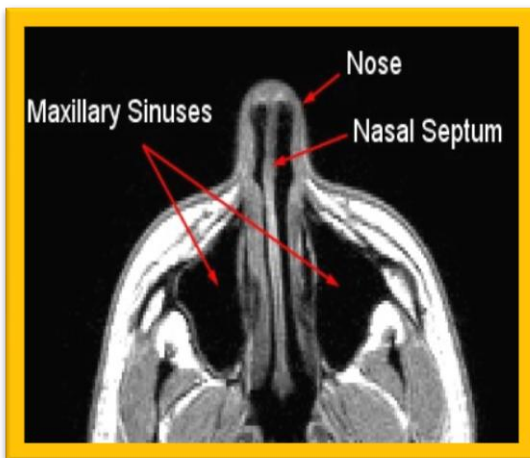
Nose CT Coronal

Nose CT Sagittal

Nose MRI



Nose MRI Sagittal



Nose MRI Axial

Station 1:**1. What is your Dx?**

-Scarlet Fever (strawberry tongue)

2. What is the causative organism?

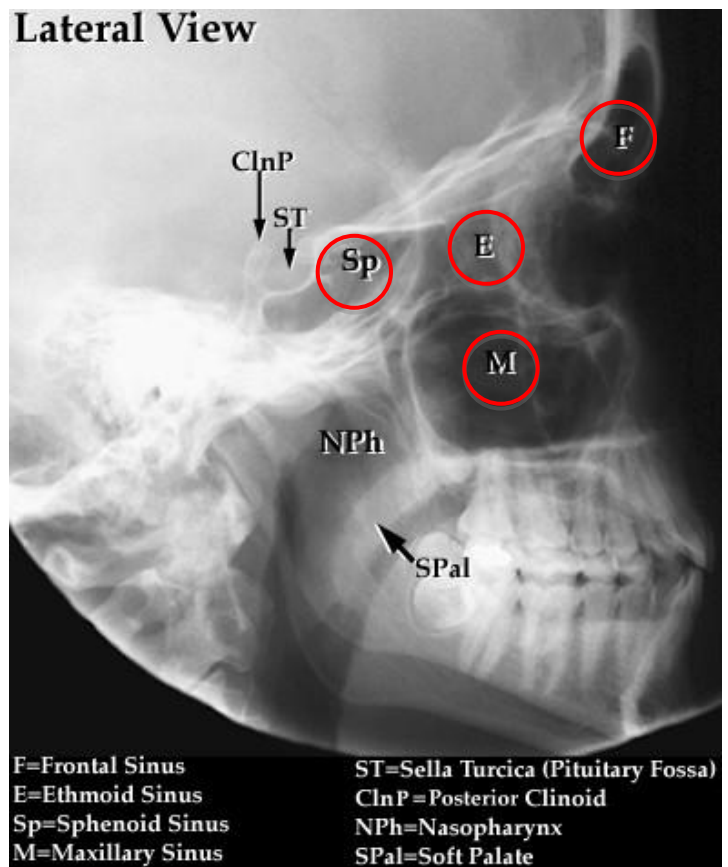
-Group (A) beta hemolytic Streptococcus

3. What is the treatment?

-Penicillin

Station 2:**Identify:**

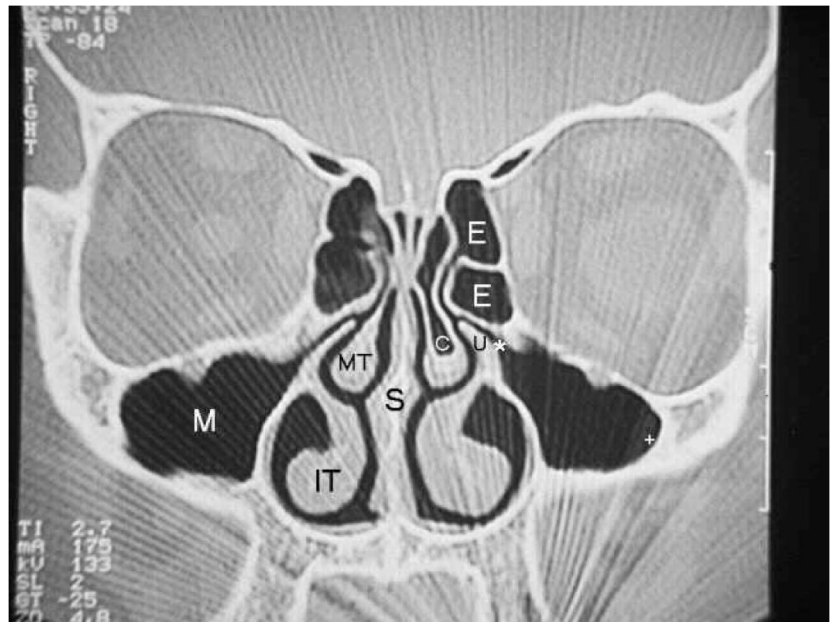
- Frontal Sinus (F)
- Ethmoidal Sinus (E)
- Sphenoid Sinus (Sp)
- Maxillary sinus (M)



Station 3:**Identify:**

- Ethmoidal sinus
- Maxillary sinus
- Middle Turbinate
- Cribriform plate

(Don't forget to mention the side [left, right!])

**Station 4:****What is the diagnosis?**

Unilateral (right) Choanal atresia (Bony type)

* Membranous: grey. Bone: white

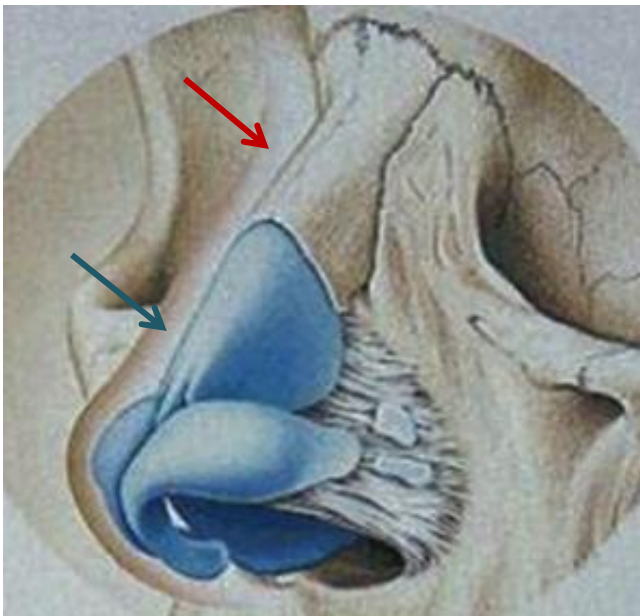
Give 2 Symptoms?

- Rhinorrhea
- Difficulty breathing (nasal obstruction)



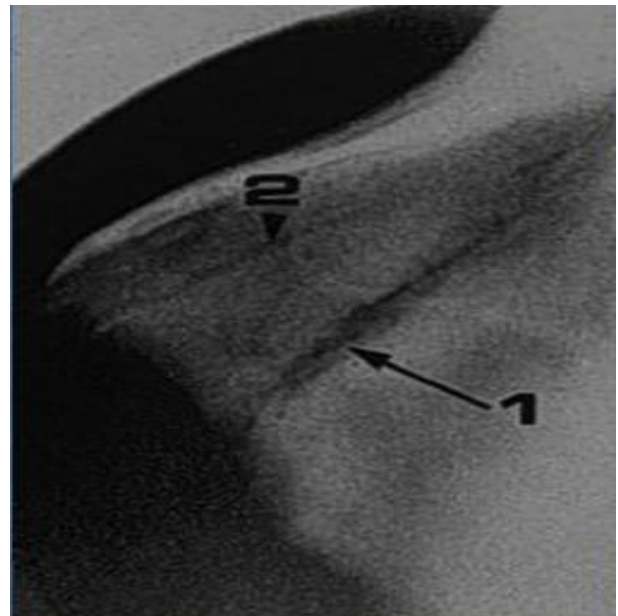
Plain X-Rays Nasal Bones

Normal Boney Nasal skeleton



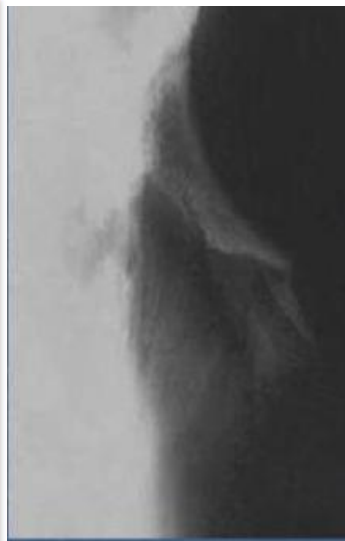
Red: Bony Part

Blue: Cartilaginous Part



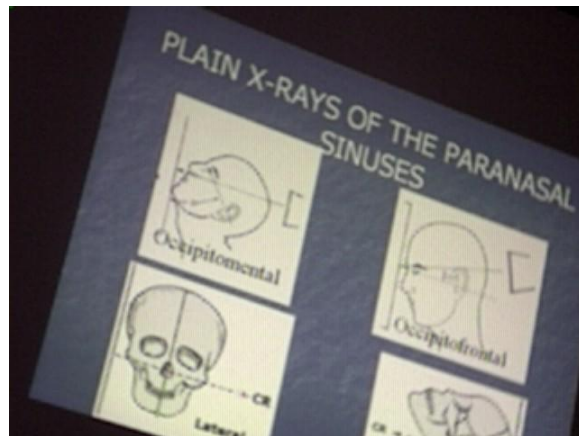
Plain Normal X-Rays Nasal Bones

- 1- Nasomaxillary suture
- 2- Nasociliary groove



Fracture of Nasal bone

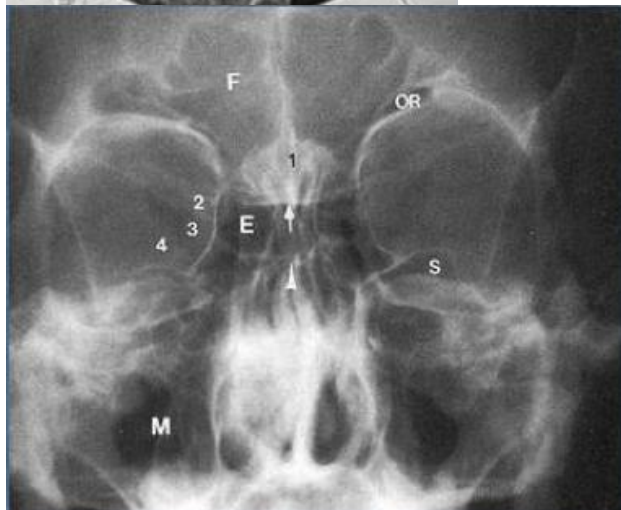
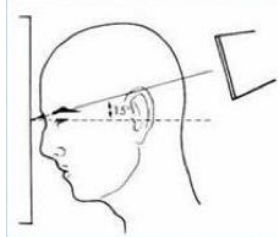
Paranasal sinuses



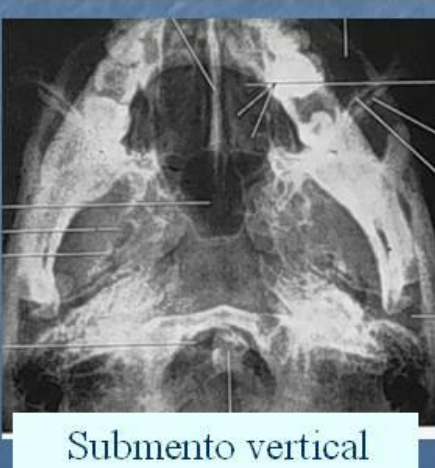
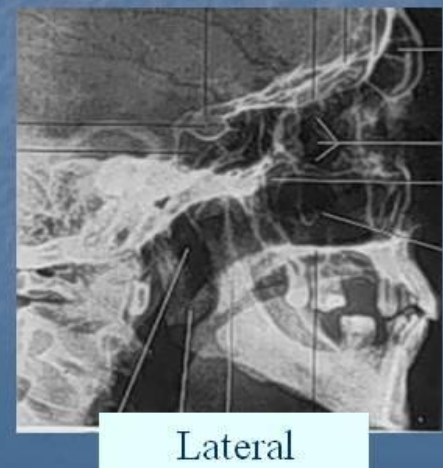
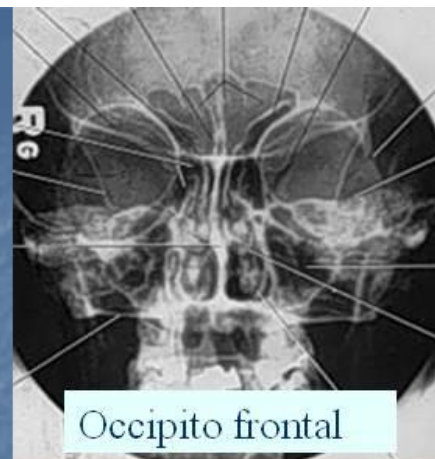
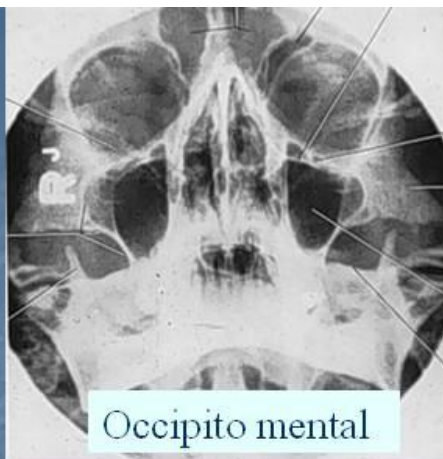
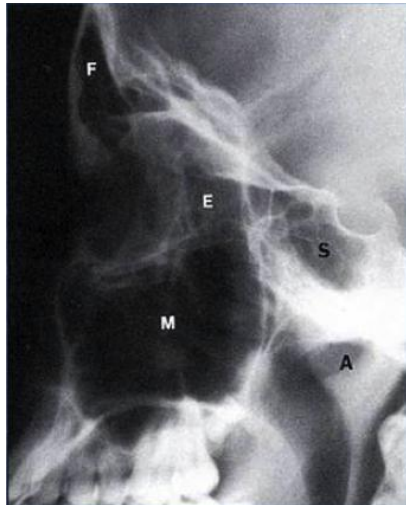
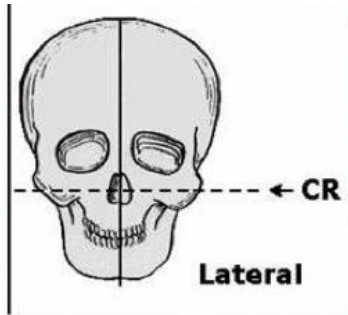
Occipitomental view (Water's view)



Occipito-frontal view (Caldwell view)

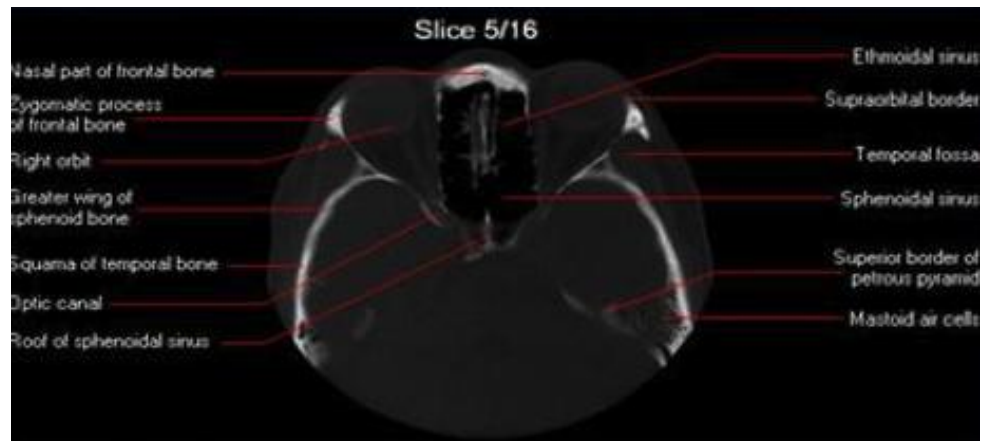
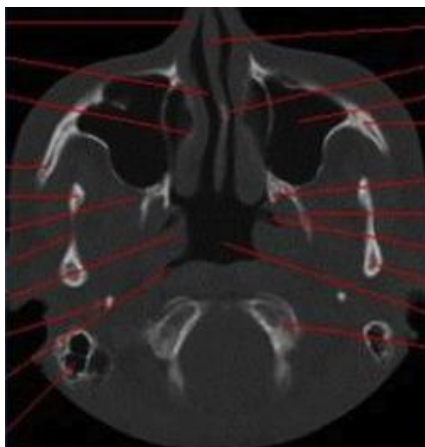
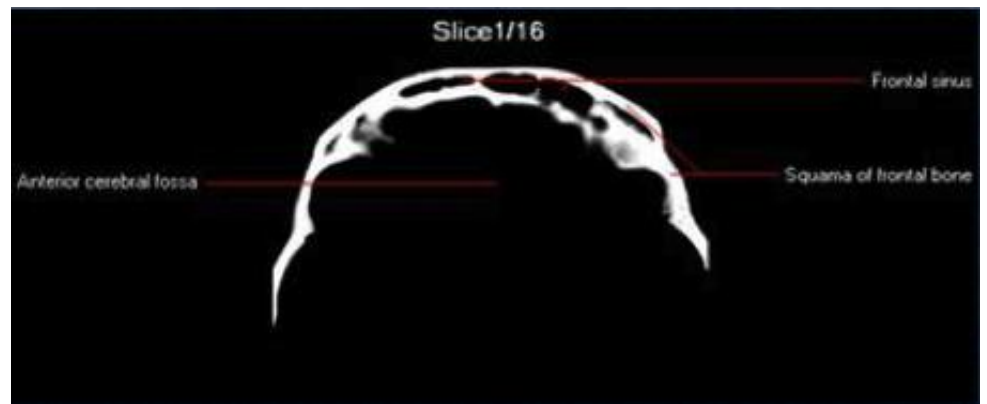


Lateral view

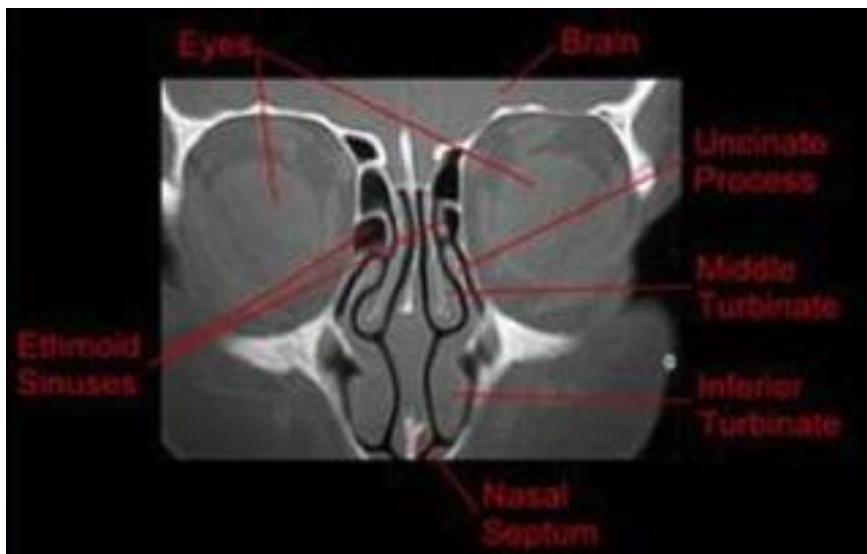


Normal CT

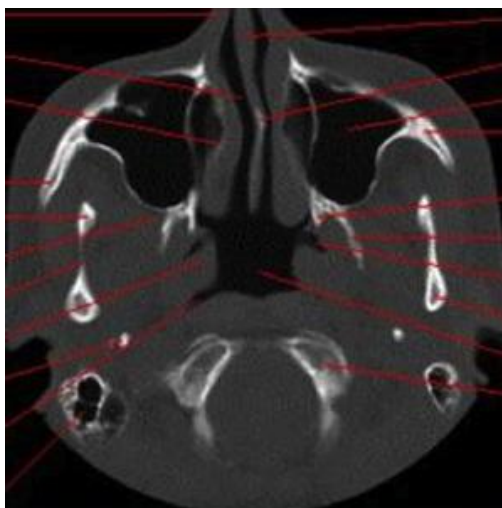
Normal Axial



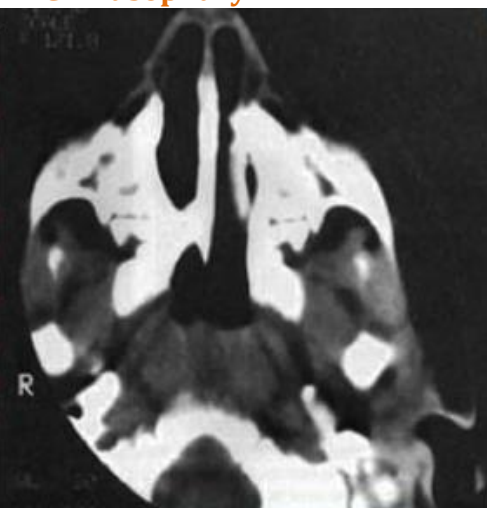
Normal Coronal



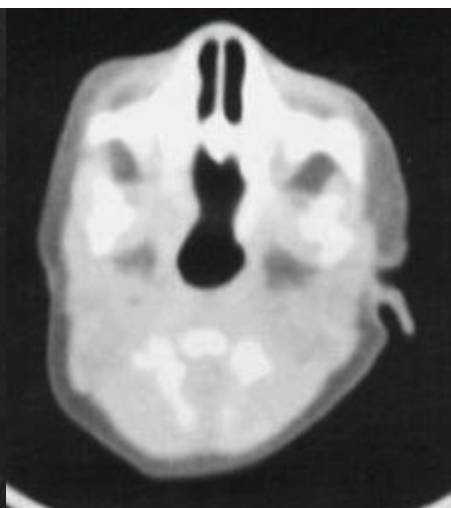
CT Nasopharynx



Normal



Unilateral
Choanal atresia

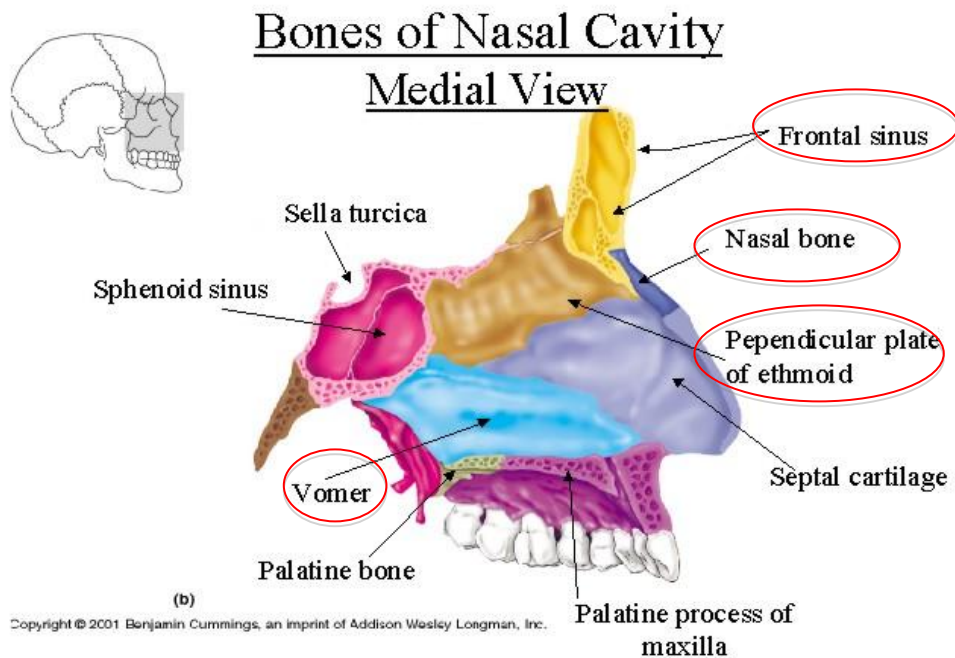


Bilateral
choanal atresia

Station 5:

Identify:

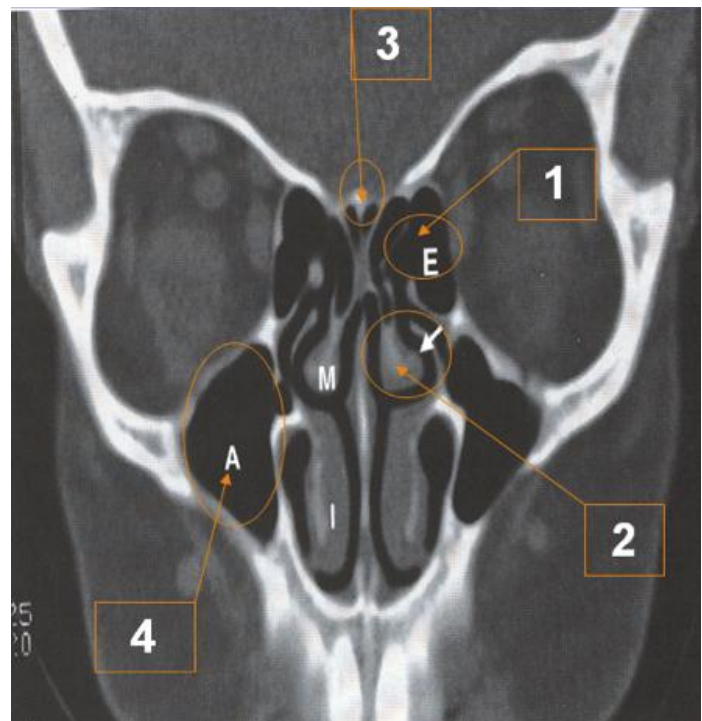
Frontal, nasal, vomer and ethmoid



Station 6:

Identify the structures labeled:

1. Left ethmoid sinus
2. Left middle turbinate
3. Cribriform plate of ethmoid (not frontal, be careful)
4. Right maxillary sinus



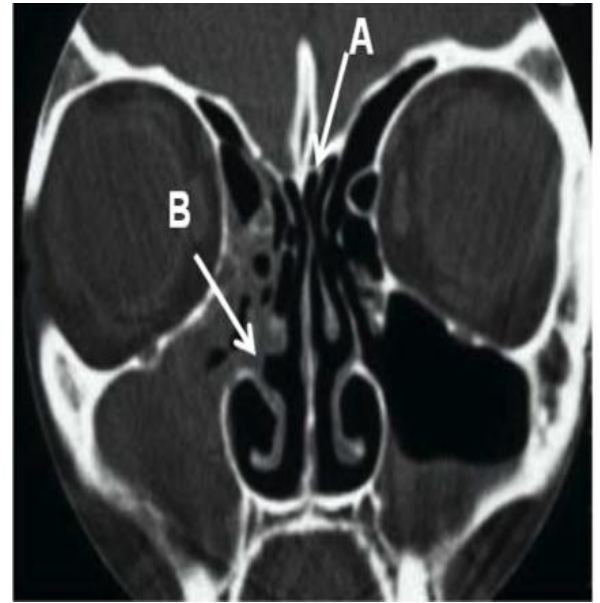
Station 7:

Identify:

- A. Cribriform plate
- B. Maxillary antrum

What is the abnormality here?

Total homogenous opacity of the right maxillary most likely due to Maxillary sinusitis



Station 8:

Immediately after birth baby start to have distress.

What is your diagnosis?

Bilateral choanal atresia

What is your initial management?

Inserting an oral airway to break the seal formed by the tongue against the palate.

