

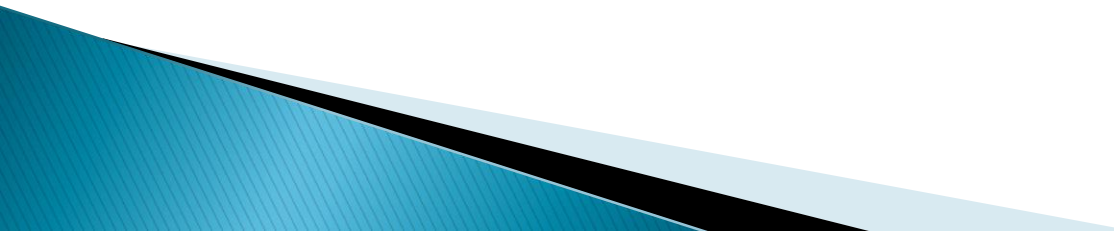
بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

بِسْمِ اللَّهِ

# NOSE

AIMAN BIBI  
2<sup>ND</sup> YEAR MBBS  
KGMC

# LEARNING OUTCOMES

- ▶ Students will be able to;
  - ▶ External nose
  - ▶ Nasal cavity
  - ▶ Walls of nasal cavity
  - ▶ Mucous membrane of nasal cavity
  - ▶ Clinical correlates
- 

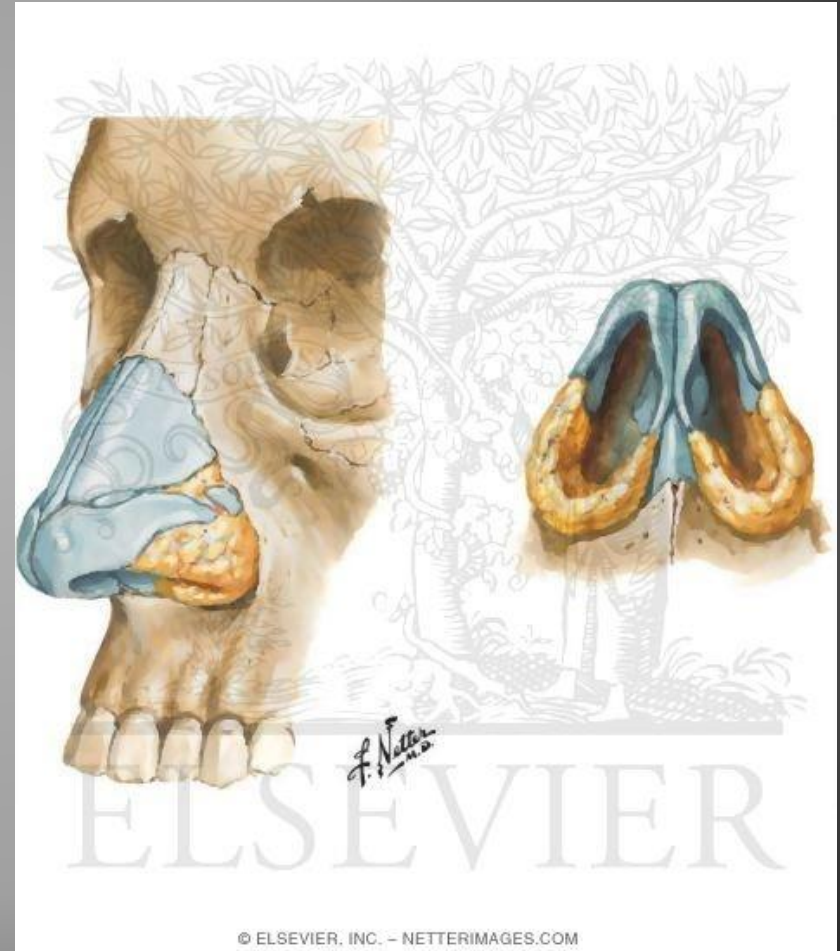
# NOSE

- ▶ Prominent structure that sticks out from the middle of your face between the eyes
- ▶ Serves as the entrance to the respiratory tract
- ▶ Contain olfactory organ



# FUNCTIONS

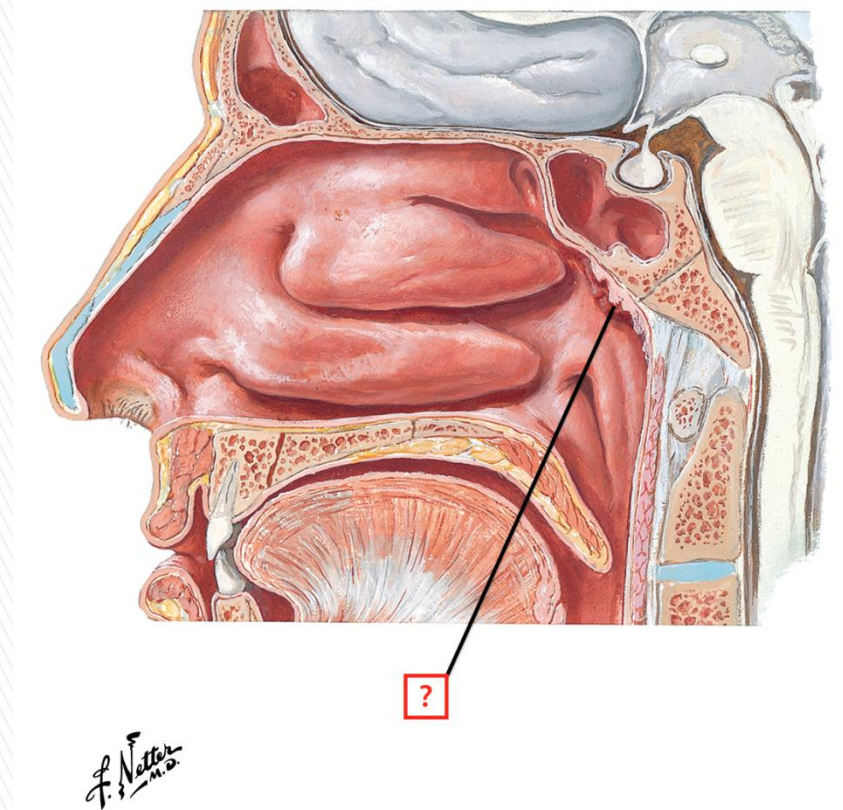
- ▶ Provide air for respiration
- ▶ Serves the sense of smell
- ▶ Conditions the air by filtering, warming and moistening it
- ▶ Cleans itself of foreign debris



# THE NOSE



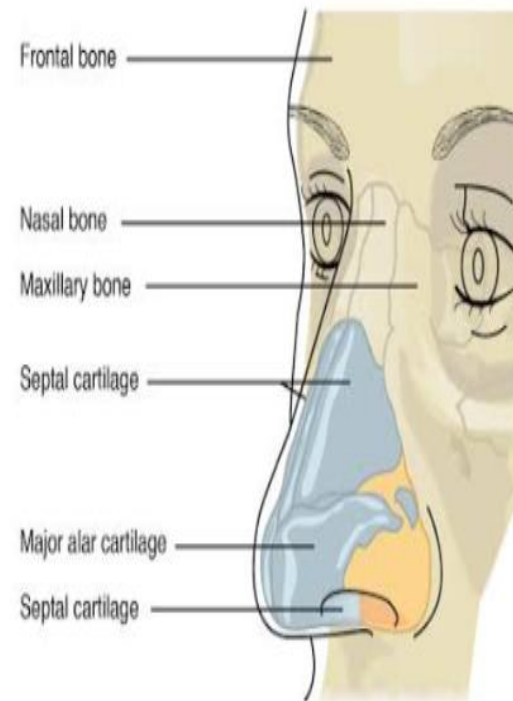
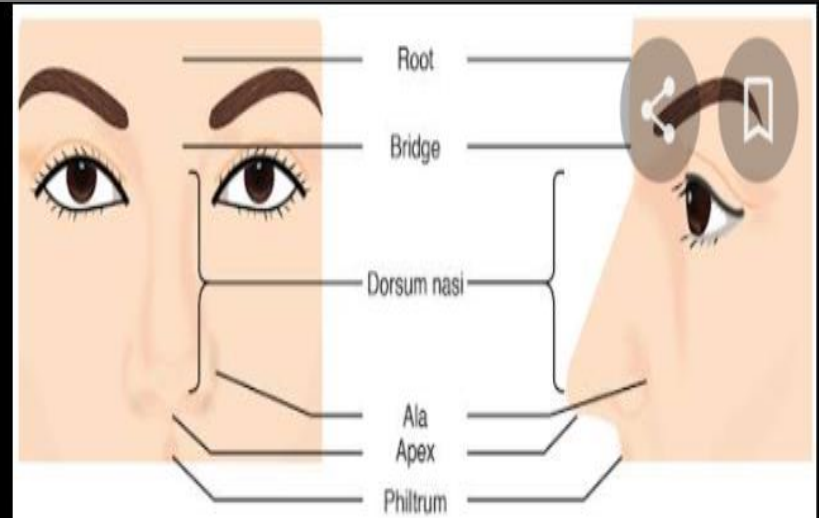
EXTERNAL NOSE



NASAL CAVITY

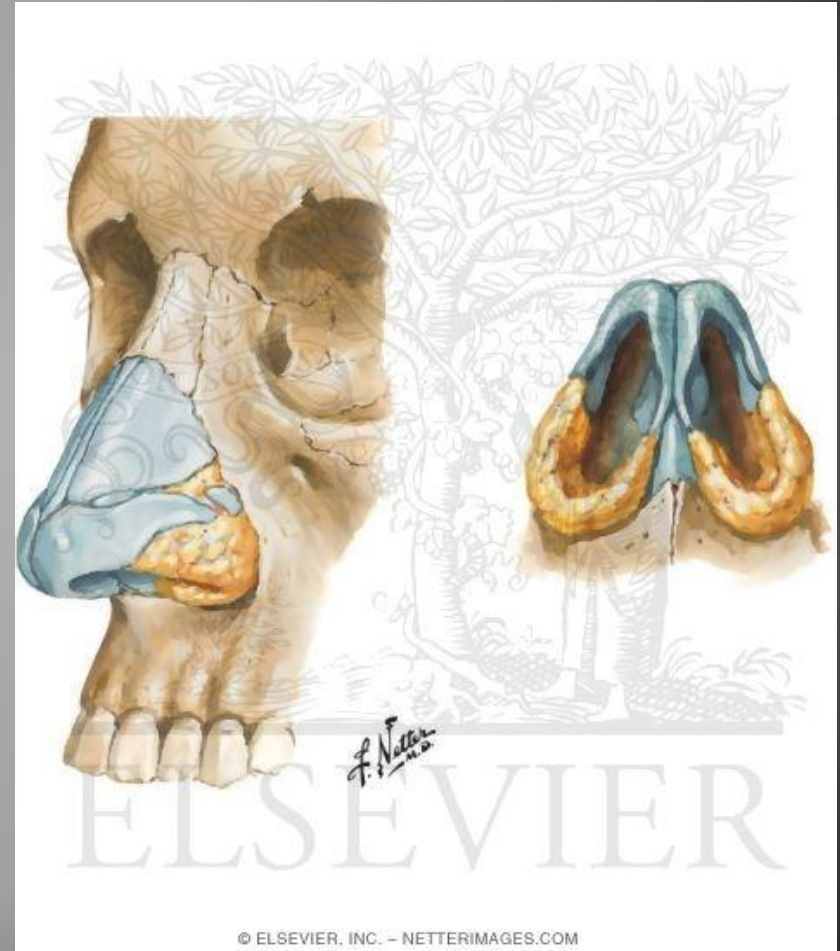
# EXTERNAL NOSE

- ▶ Bridge
- ▶ Dorsum nasi
- ▶ Ala
- ▶ Apex
- ▶ Nasion
- ▶ Rhinion



# EXTERNAL NOSE

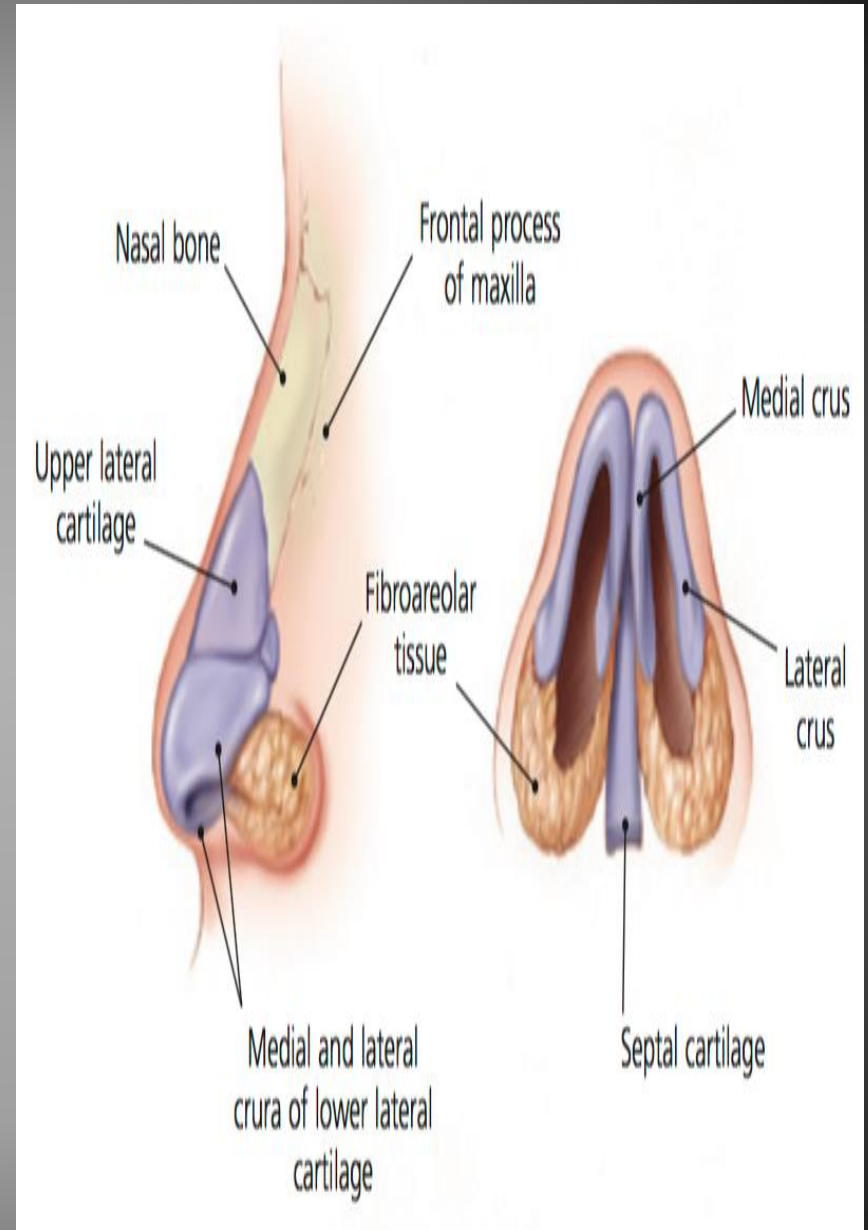
BONY PART  
CARTILAGE PART





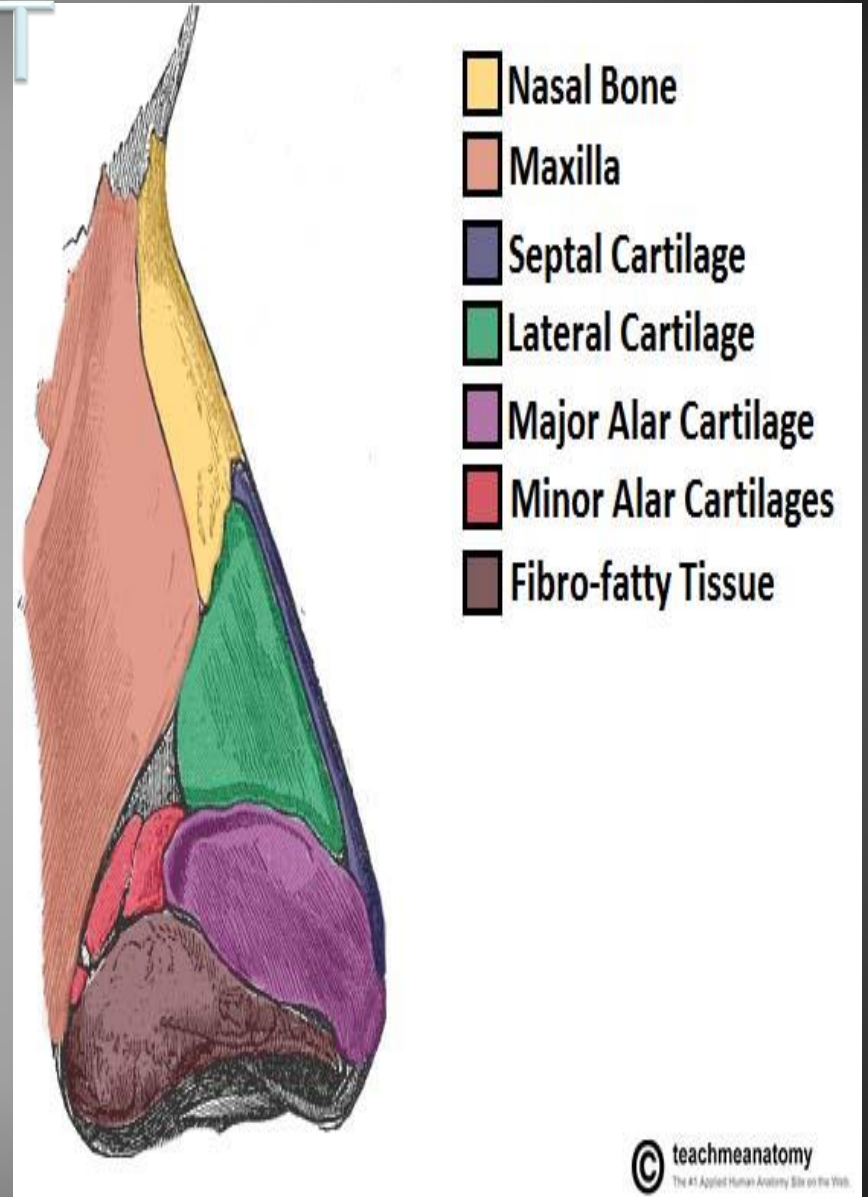
# BONY PART

- ▶ Nasal bone
- ▶ Frontal process of maxillary bone
- ▶ Nasal part of frontal bone



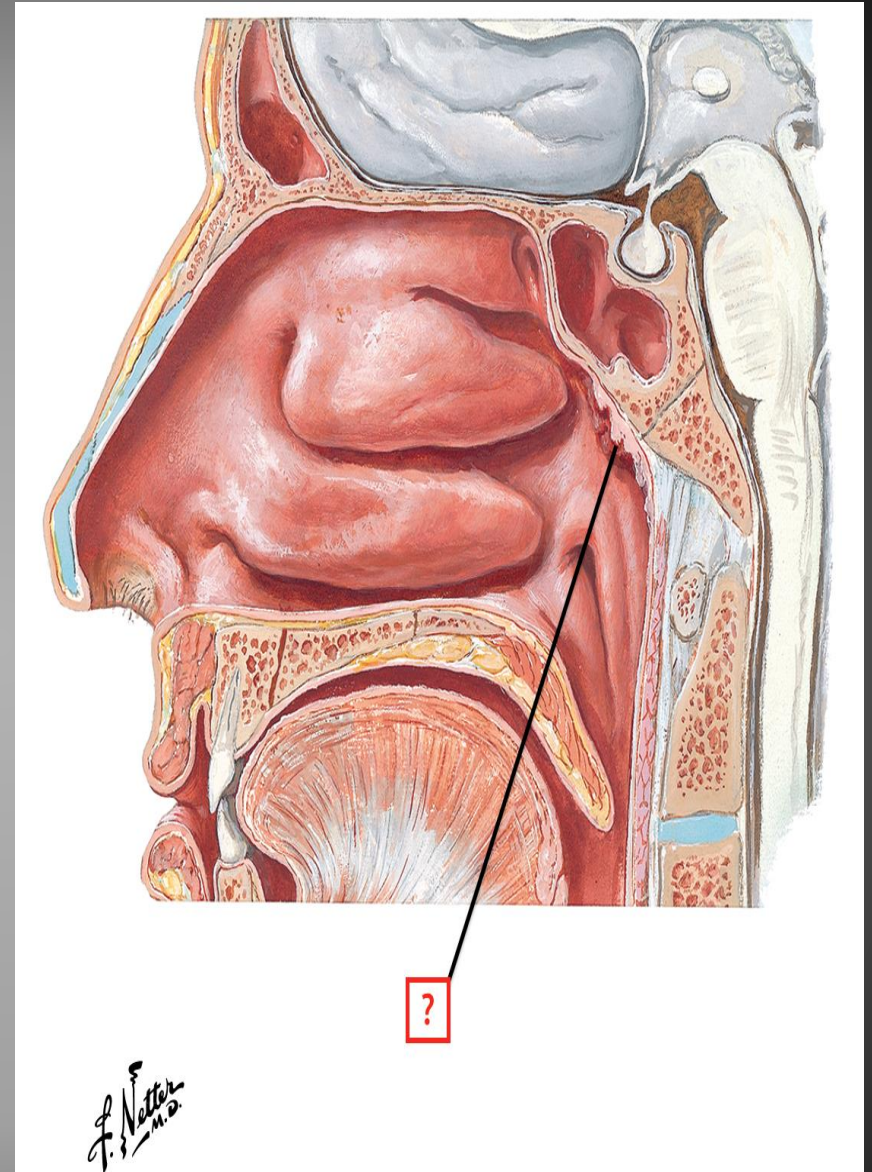
# CARTILAGE PART

- ▶ Septal cartilage
- ▶ Lateral cartilage
- ▶ Major alar cartilage
- ▶ Minor alar cartilage



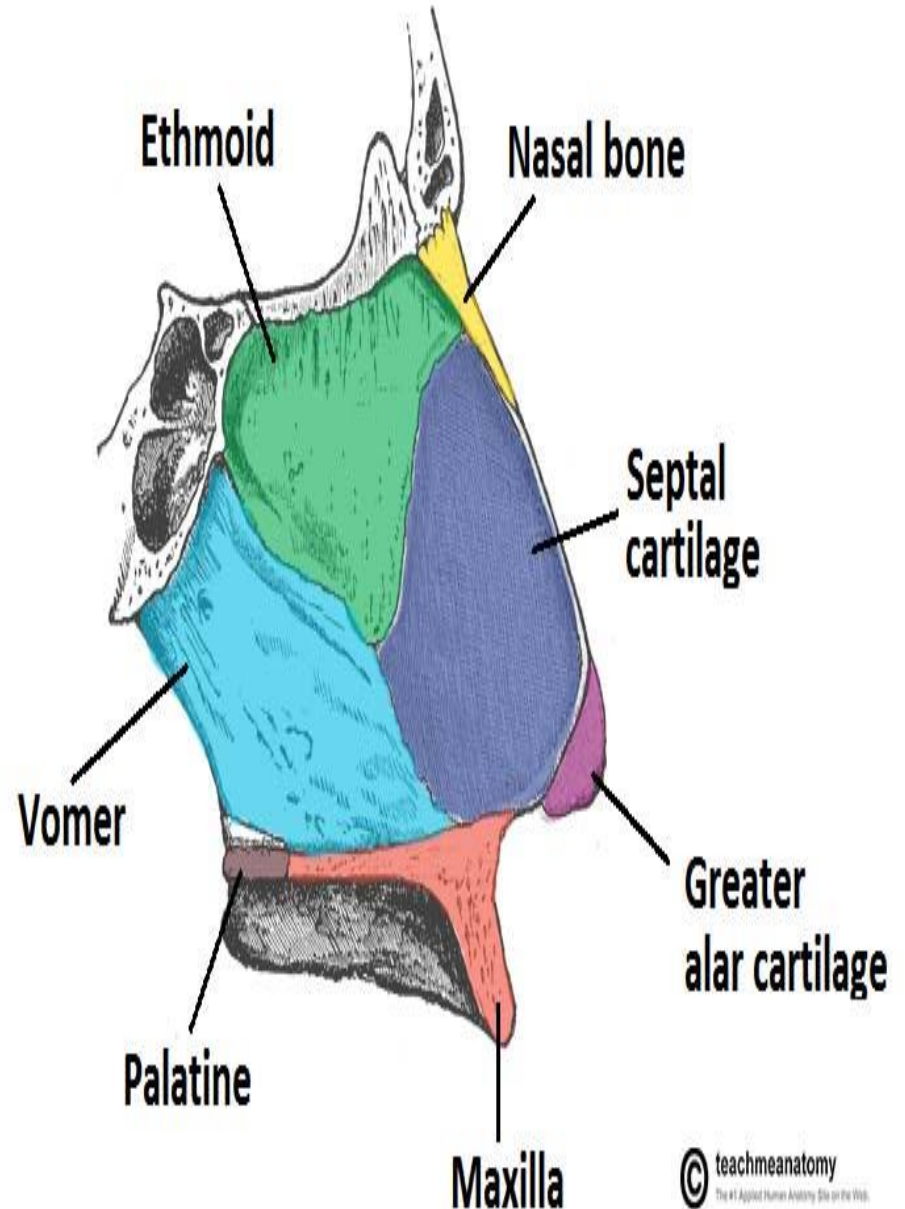
# NASAL CAVITY

- ▶ Extend from the nostrils in front to post nasal conchae behind where it opens into nasopharynx
- ▶ Divide into left and right half by nasal septum



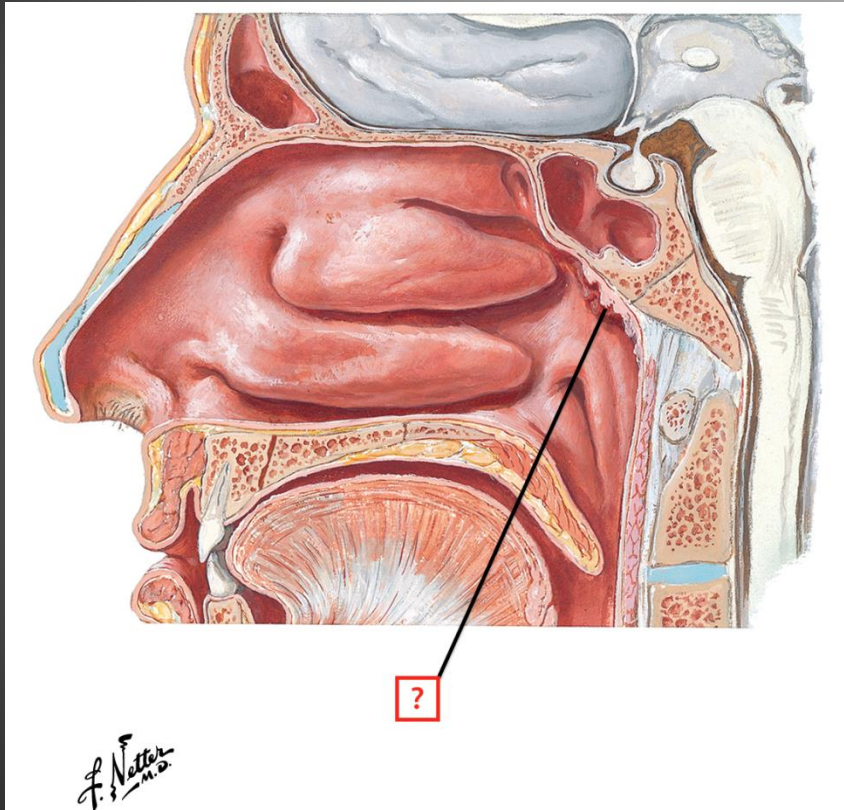
# NASAL CAVITY

- ▶ **VESTIBULE** : area of nasal cavity lying just inside nostrils
- ▶ **SEPTUM MADE UP OF**
- ▶ Septal cartilage
- ▶ Vertical plate of ethmoid
- ▶ Vomer



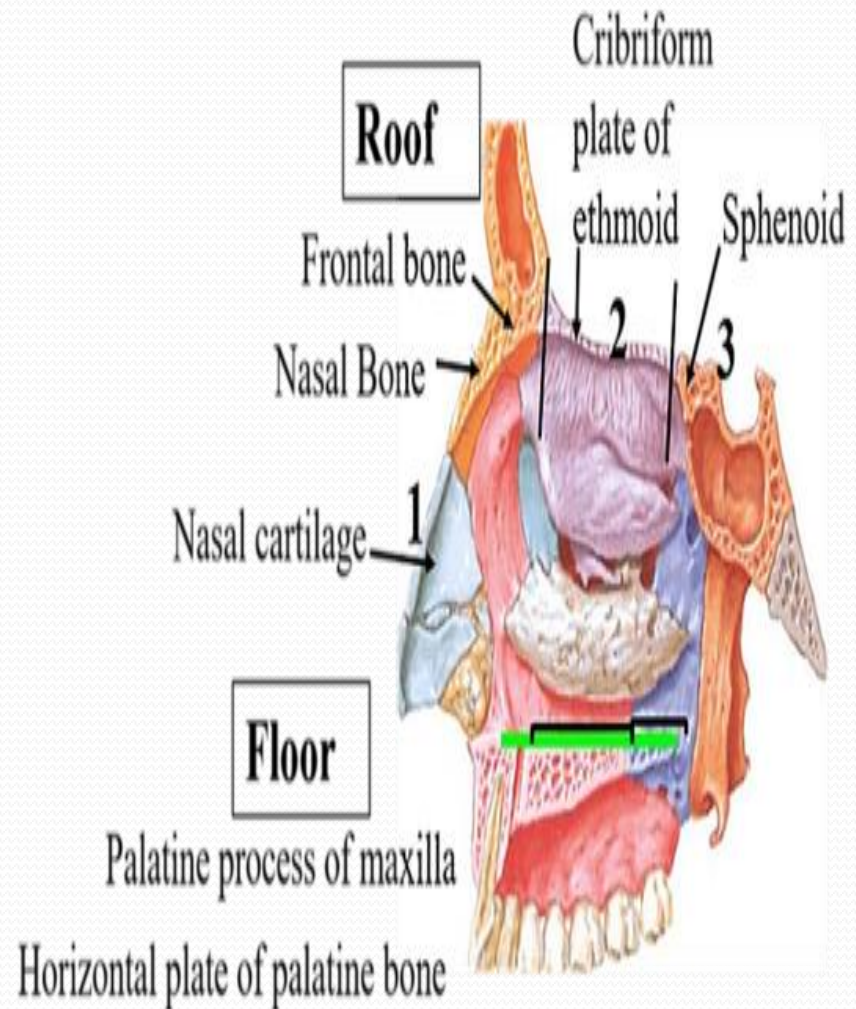
# WALLS OF NASAL CAVITY

- ▶ Floor
- ▶ Roof
- ▶ Lateral wall
- ▶ Medial or septal wall



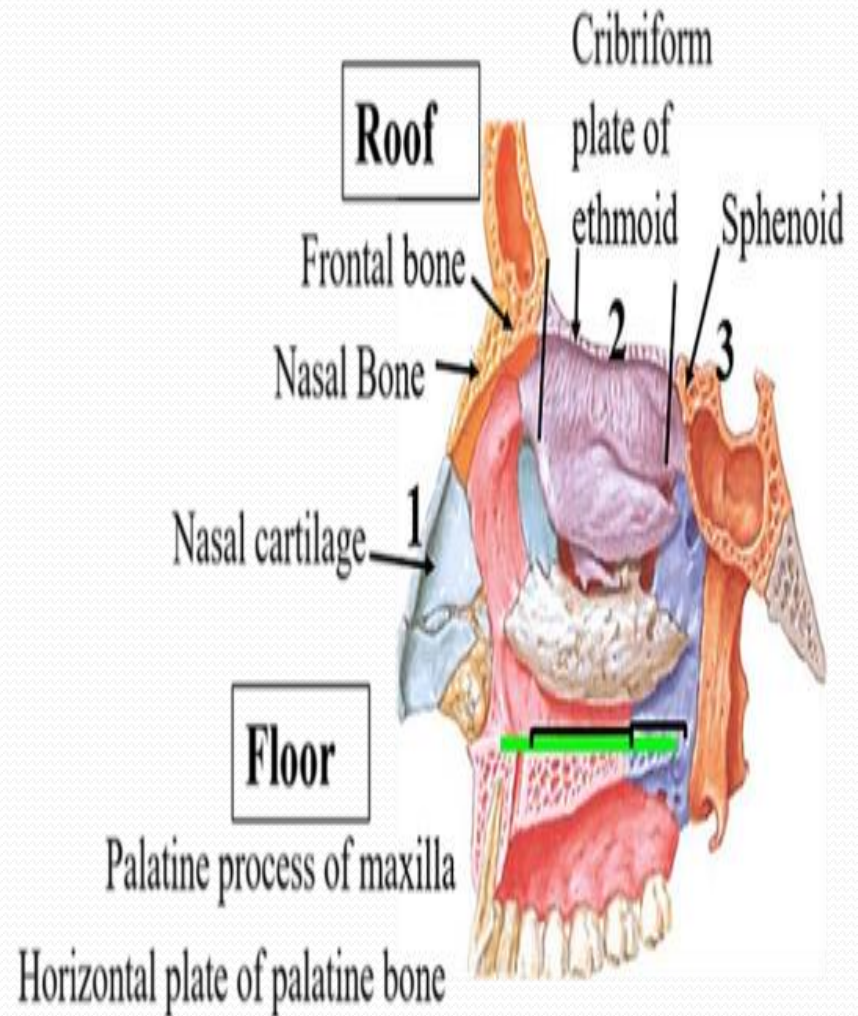
# FLOOR

- Palatine process of maxillae
- Horizontal plate of palatine bone



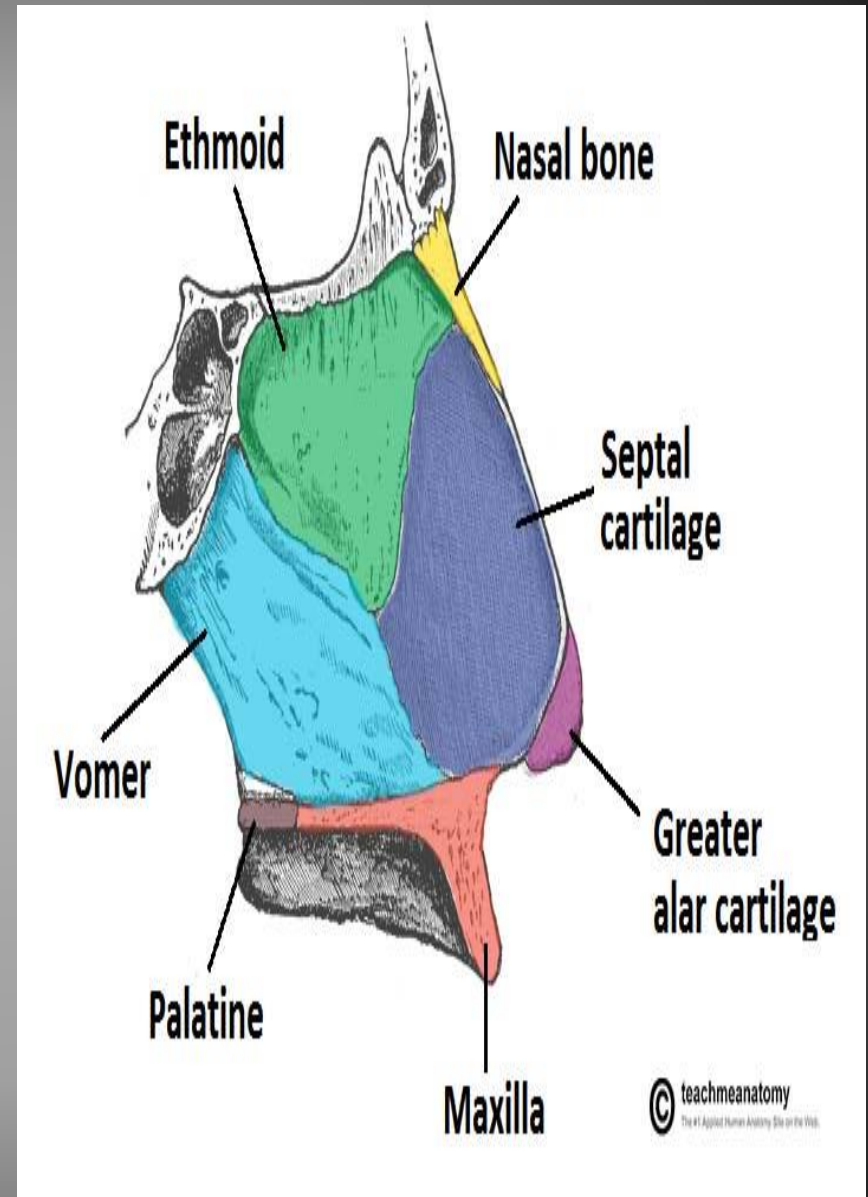
# ROOF

- ANT by NASAL + FRONTAL
- MIDDLE by cribriform plate of ethmoid
- POST by sloping body of sphenoid



# MEDIAL WALL

- ▶ Formed by nasal septum
- ▶ Upper part by Vertical plate of ethmoid and vomer
- ▶ Ant part formed by septal cartilage





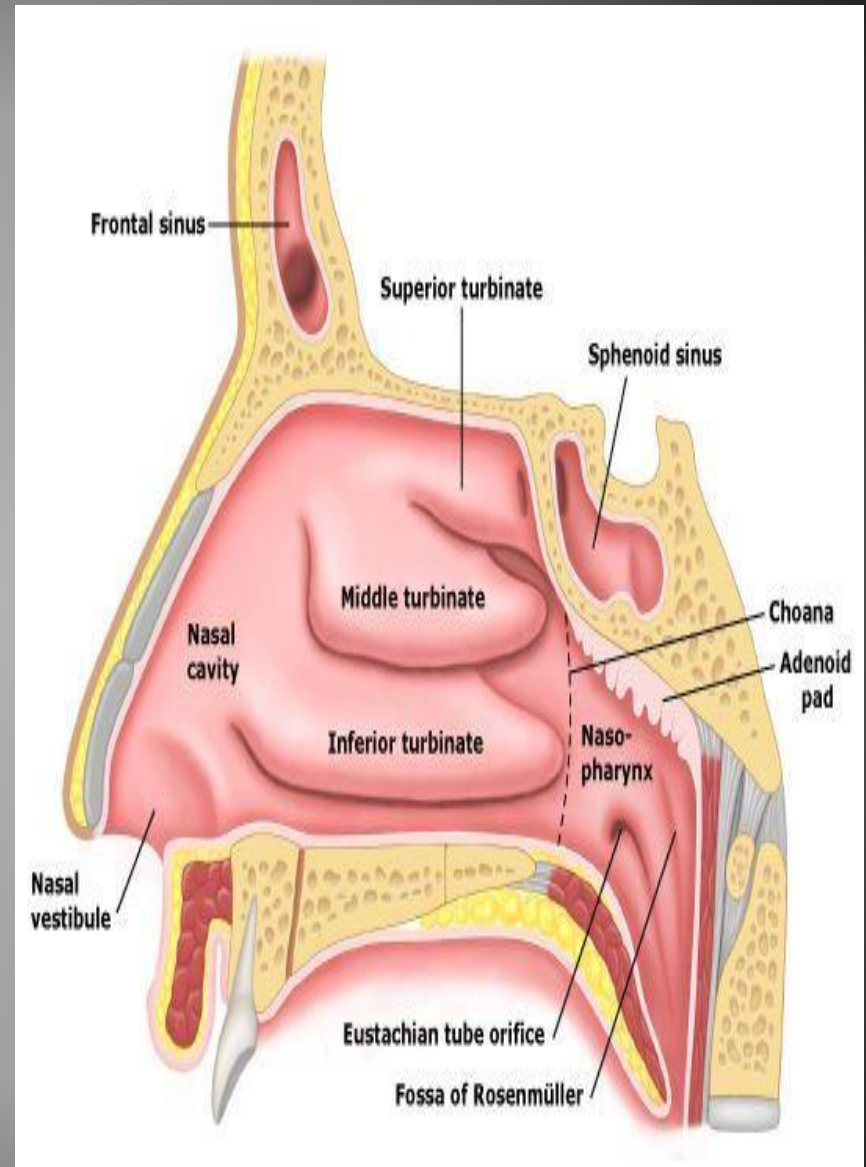
# LATERAL WALL

## PROJECTIONS

- ▶ Superior conchae
- ▶ Middle conchae
- ▶ Inf conchae

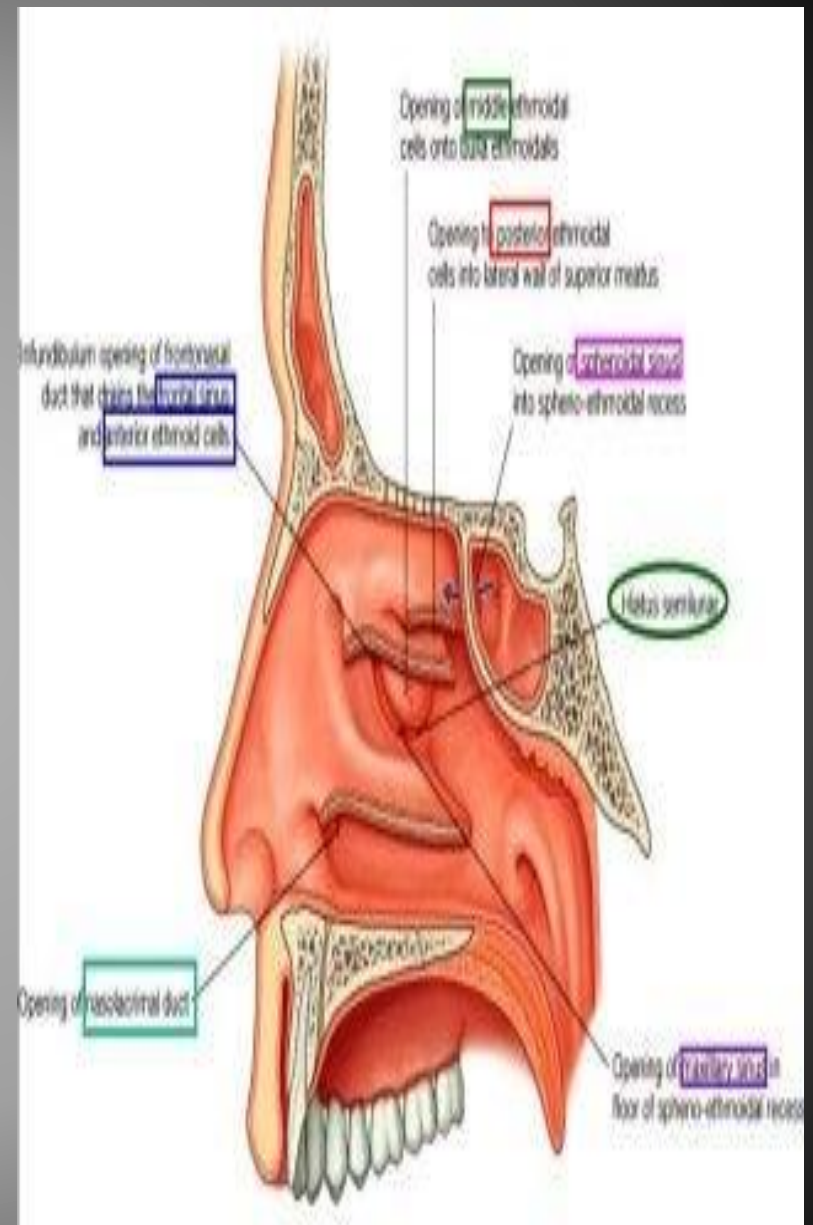
## MEATUS

- ▶ SUP
- ▶ MIDDLE
- ▶ INF



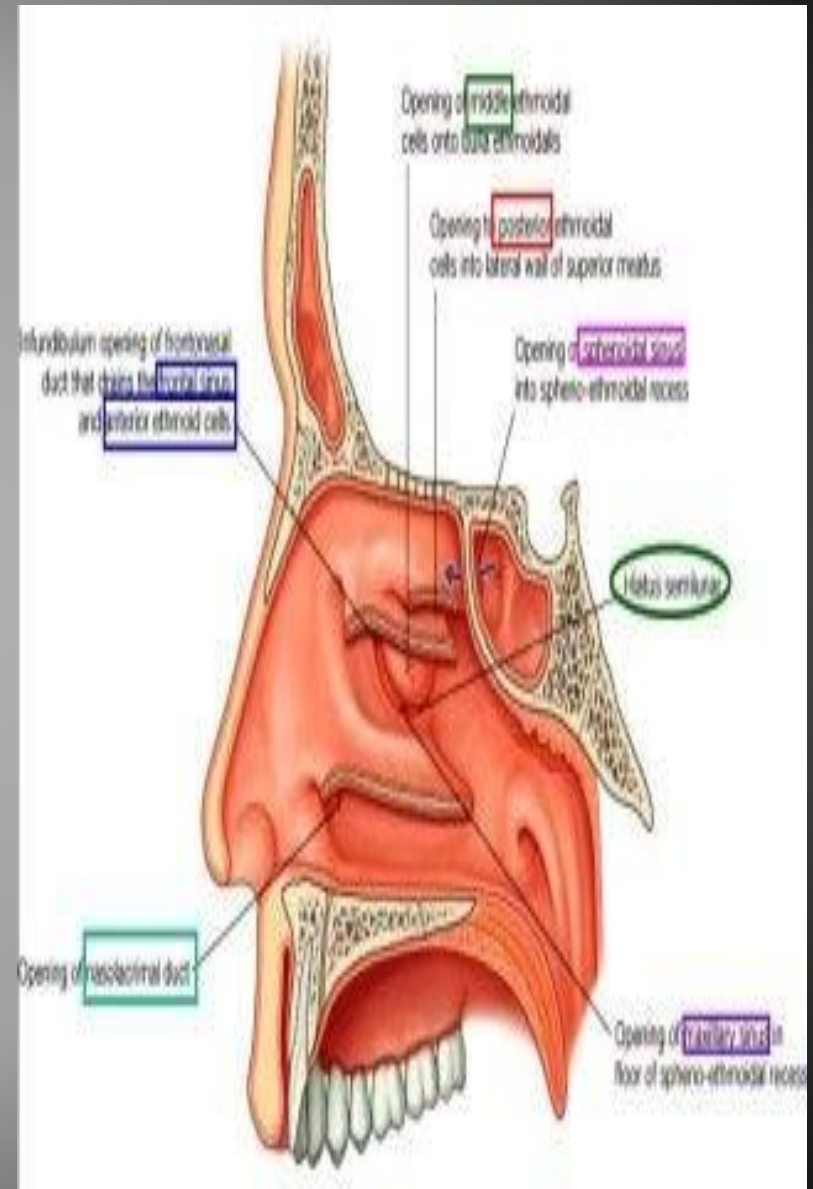
# OPENINGS

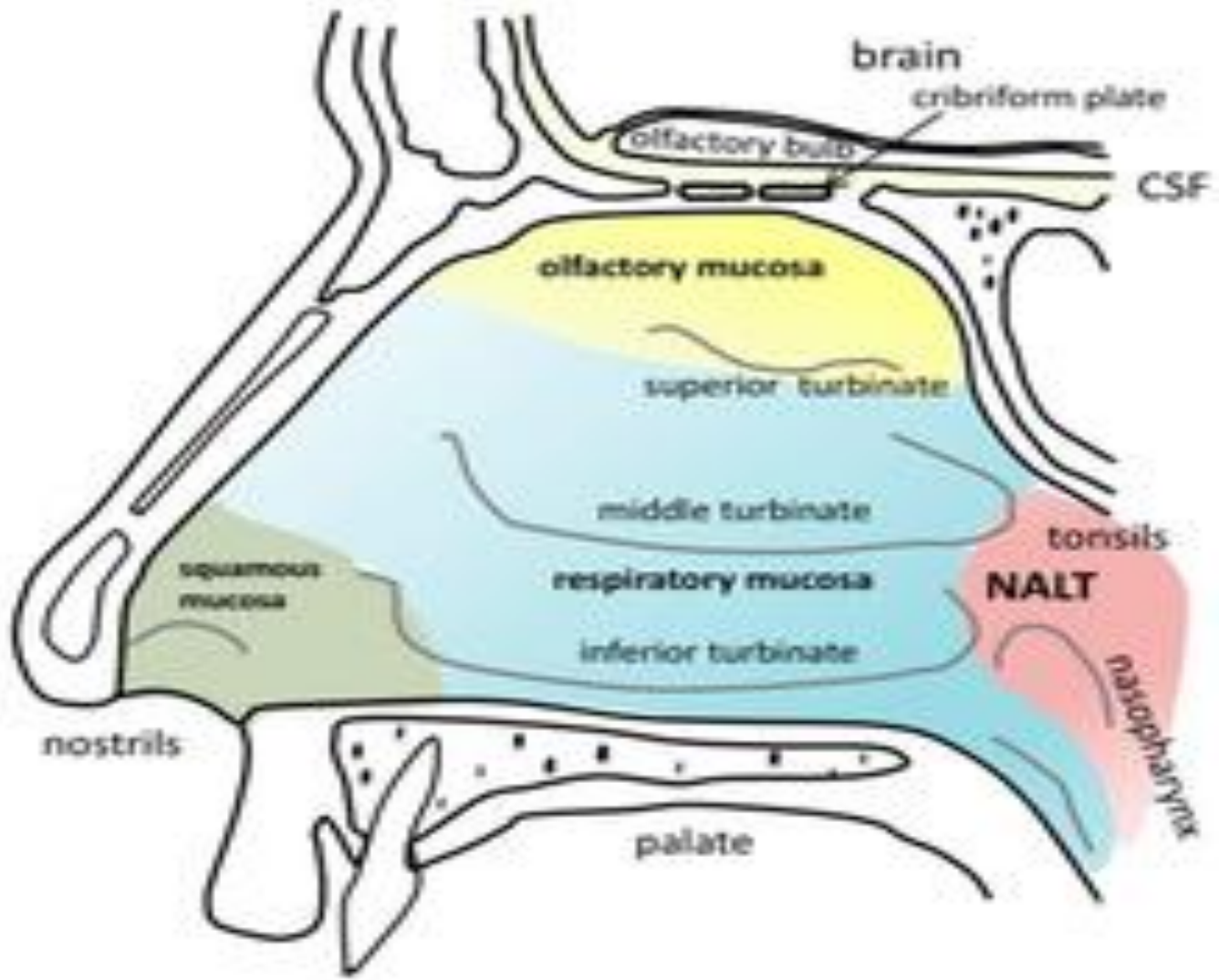
- ▶ SUP MEATUS receives opening of POST ETHMOIDAL SINUS
- ▶ INF MEATUS receives opening of NASOLACRIMAL DUCT
- ▶ SPHENOETHMOIDAL RECESS receives opening of sphenoid air sinus



# MIDDLE MEATUS

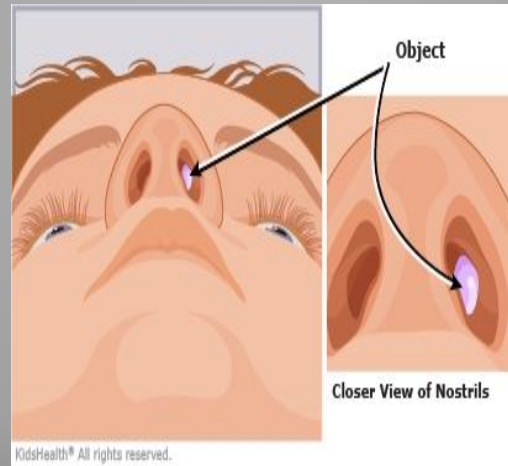
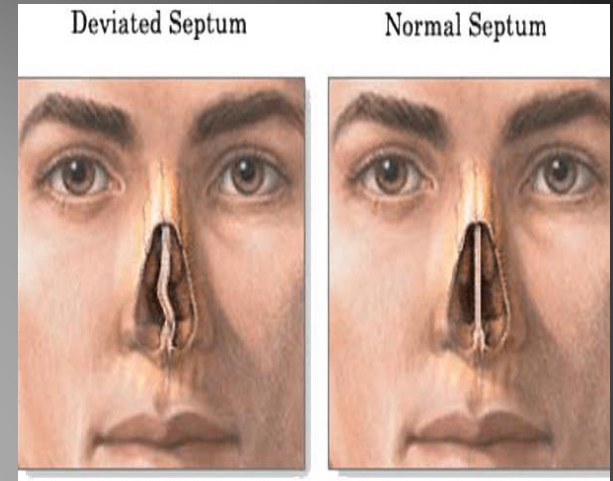
- ▶ Rounded swelling  
BULLA ETHMOIDALIS  
formed by middle  
ethmoidal air sinuses
- ▶ curved opening  
HIATUS  
SEMILUNARIS lies  
below bulla
- ▶ Maxillary sinus opens  
in middle meatus  
through hiatus

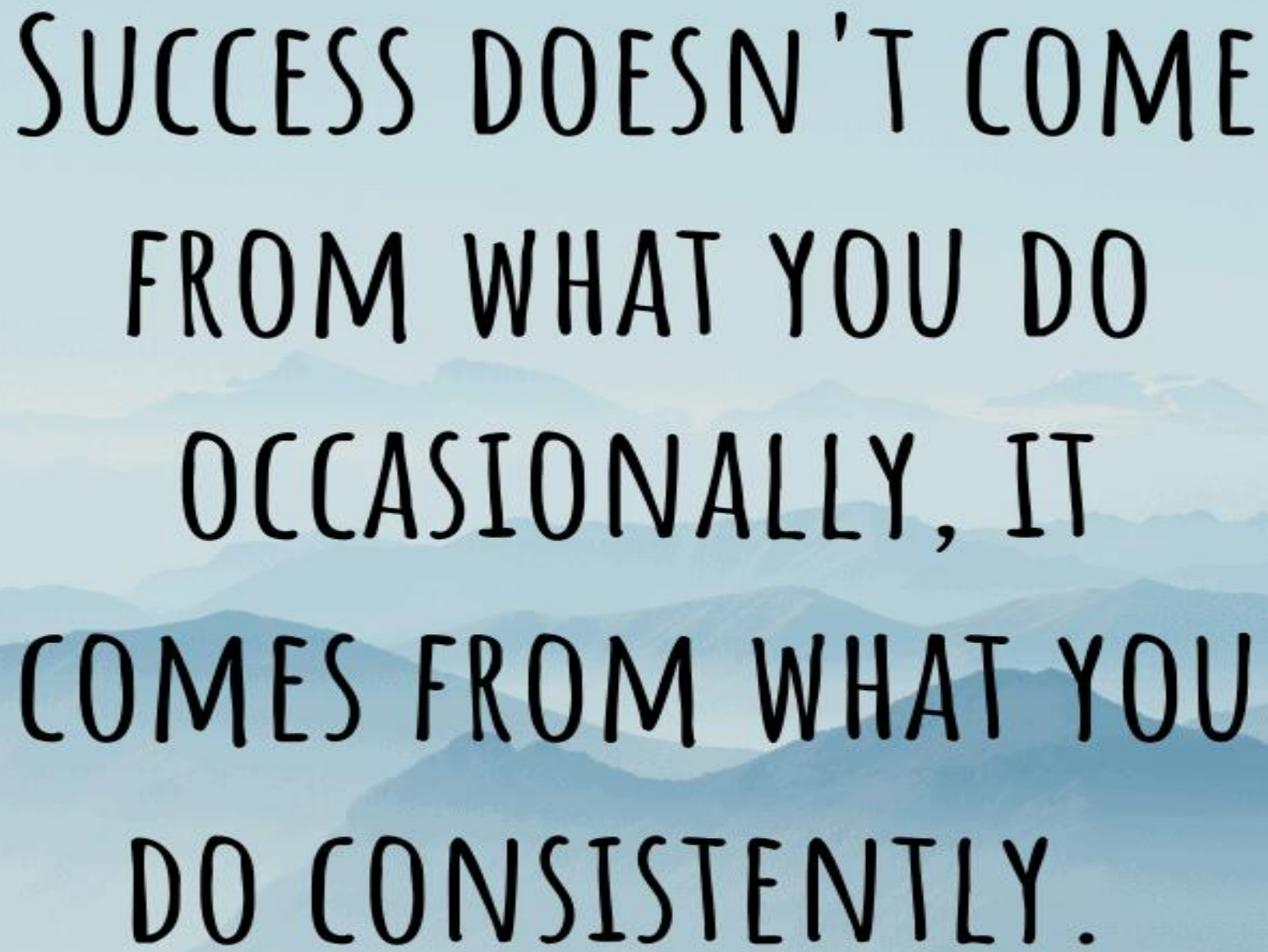




# CLINICALS

- ▶ TRAUMA
- ▶ INFECTIONS
- ▶ FOREIGN
- ▶ EPISTAXIS





SUCCESS DOESN'T COME  
FROM WHAT YOU DO  
OCCASIONALLY, IT  
COMES FROM WHAT YOU  
DO CONSISTENTLY.

**-MARIE FOLEO**

The image features a light beige background with decorative clusters of tropical leaves in the corners. The top-left cluster includes leaves in shades of blue, purple, yellow, and orange. The bottom-right cluster includes leaves in shades of blue, purple, yellow, orange, and pink. In the center, a white rectangular box contains the text "THANK YOU" in a bold, black, sans-serif font.

**THANK YOU**