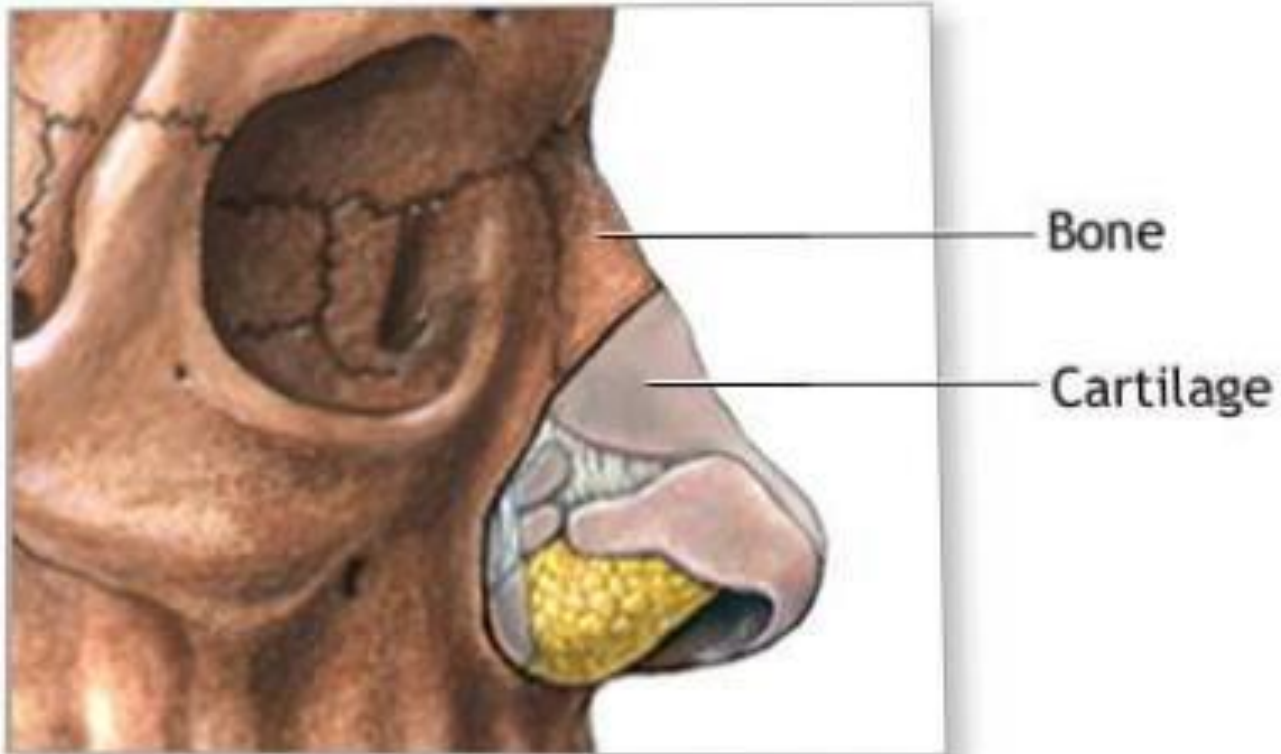
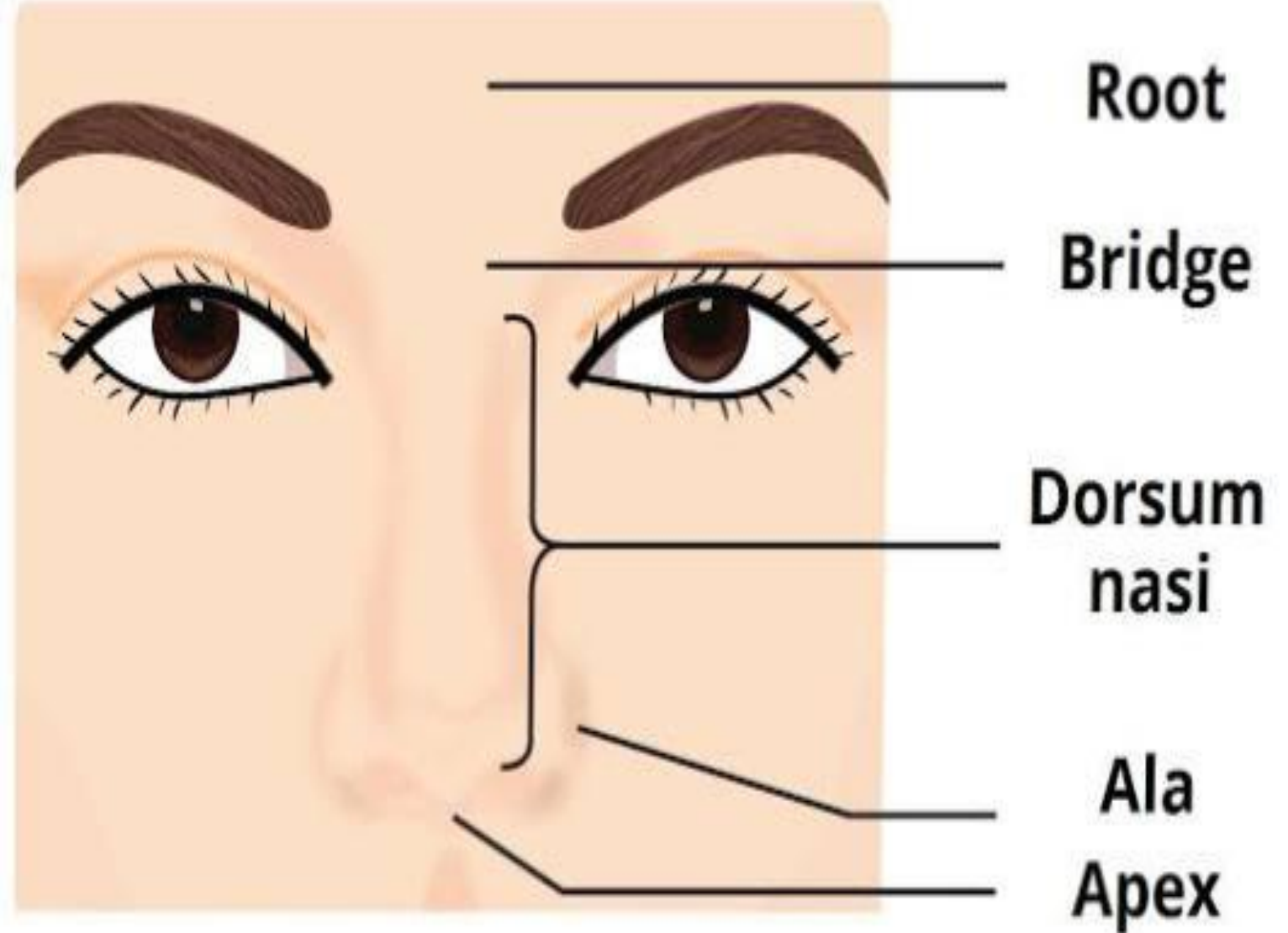


Gross Anatomy of nose



By: Muskan Ghafoor
2nd year
Kgmc

External nose



Bones and Cartilages

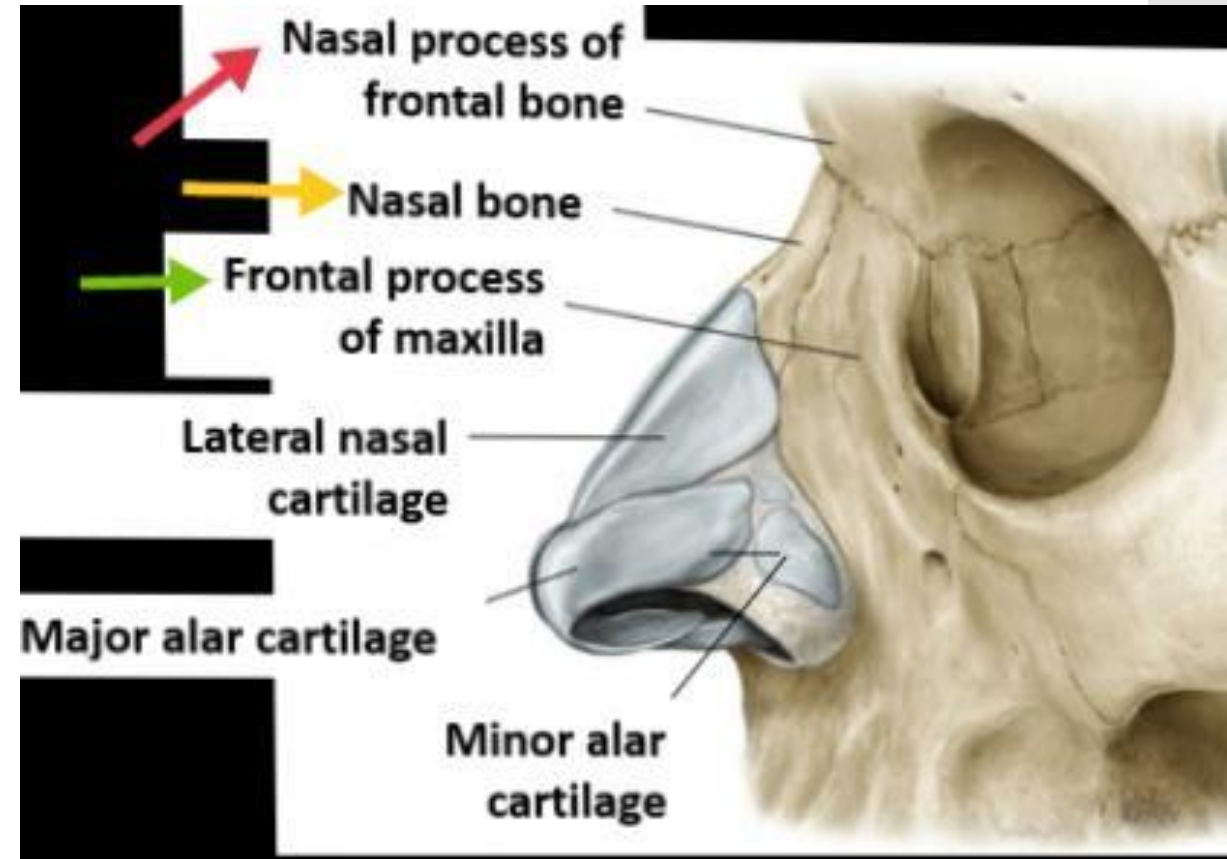
- Nose is made of bones and cartilages

Bones:

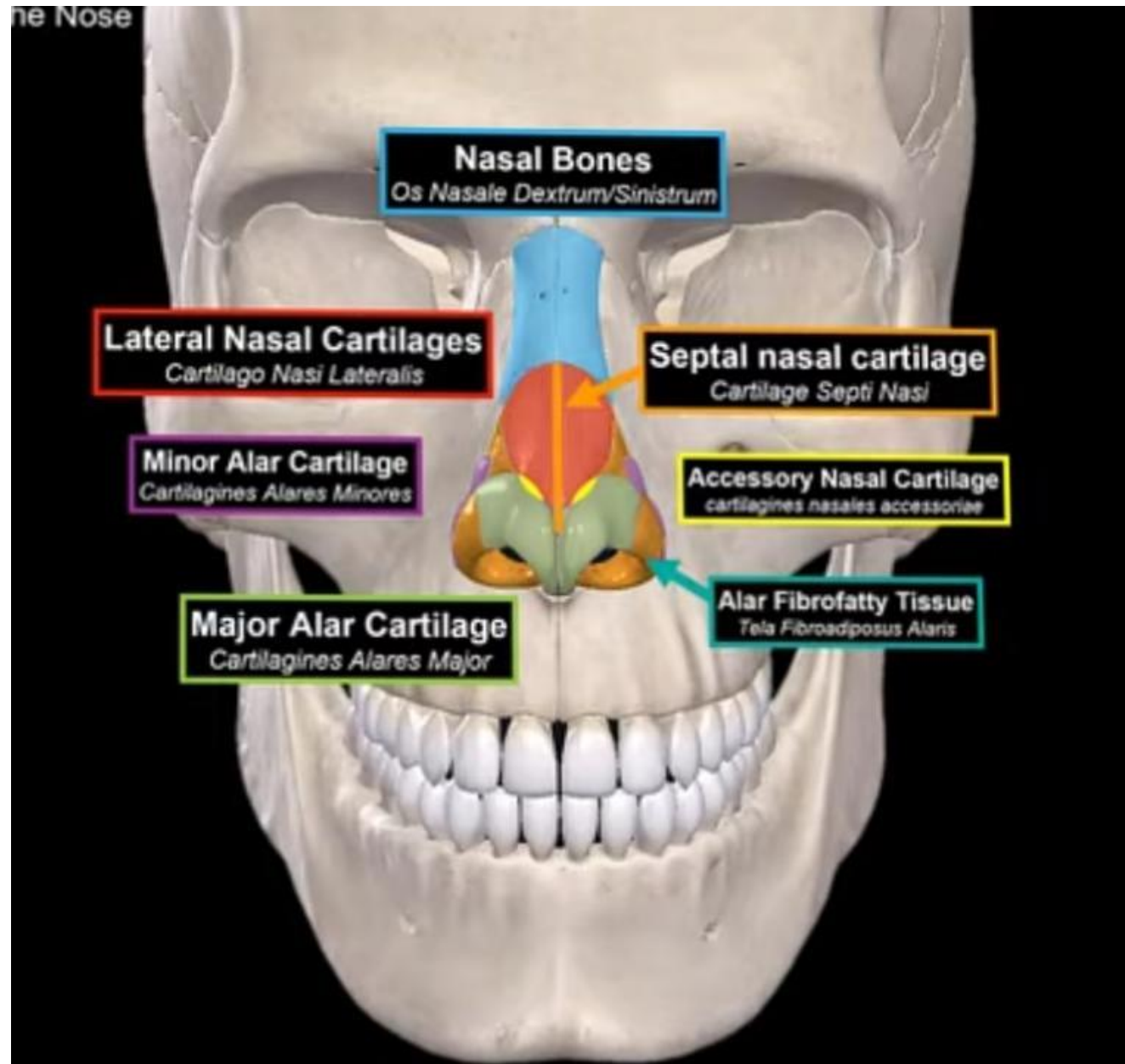
- Nasal part of frontal bone
- Nasal bone
- Frontal process of maxilla

Cartilages:

- Septal cartilage
- Lateral nasal Cartilages
- Major alar cartilages
- Minor alar cartilages



Diagram

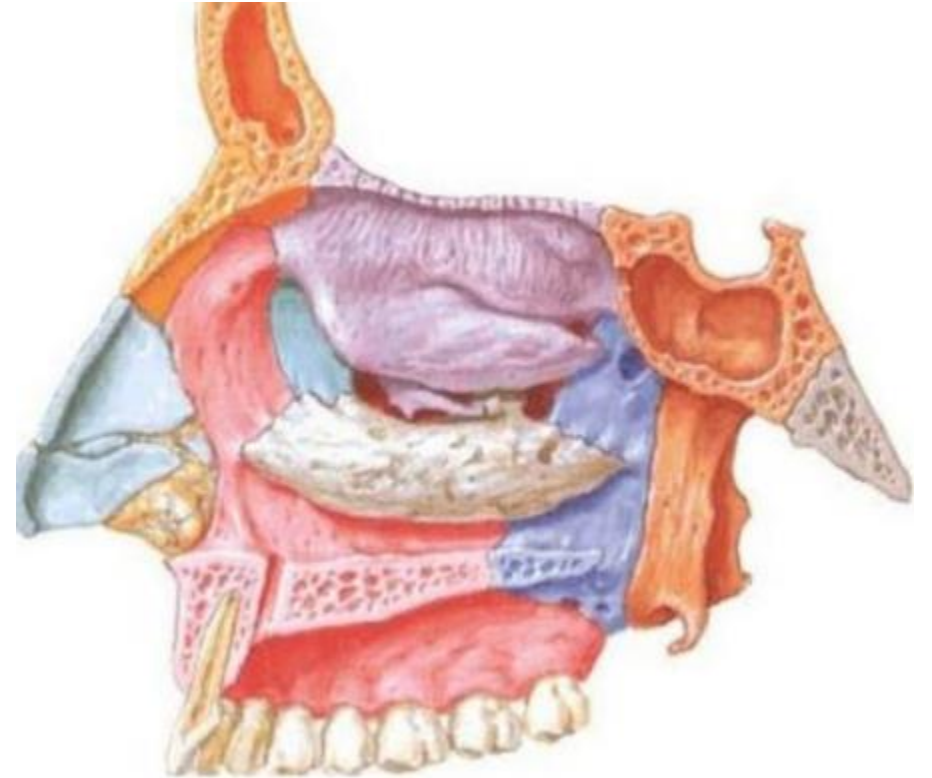


Nasal cavity

- Nasal cavity extends from **nostrils** to **posterior nasal apertures**

Each nasal cavity has a,

- Roof
- Floor
- Lateral wall
- Medial wall



Borders of nasal cavity

BOUNDARIES OF THE NASAL CAVITY

Roof: Anterior Part

1. Nasal cartilage
2. Nasal bone
3. Frontal bone

Middle Part:

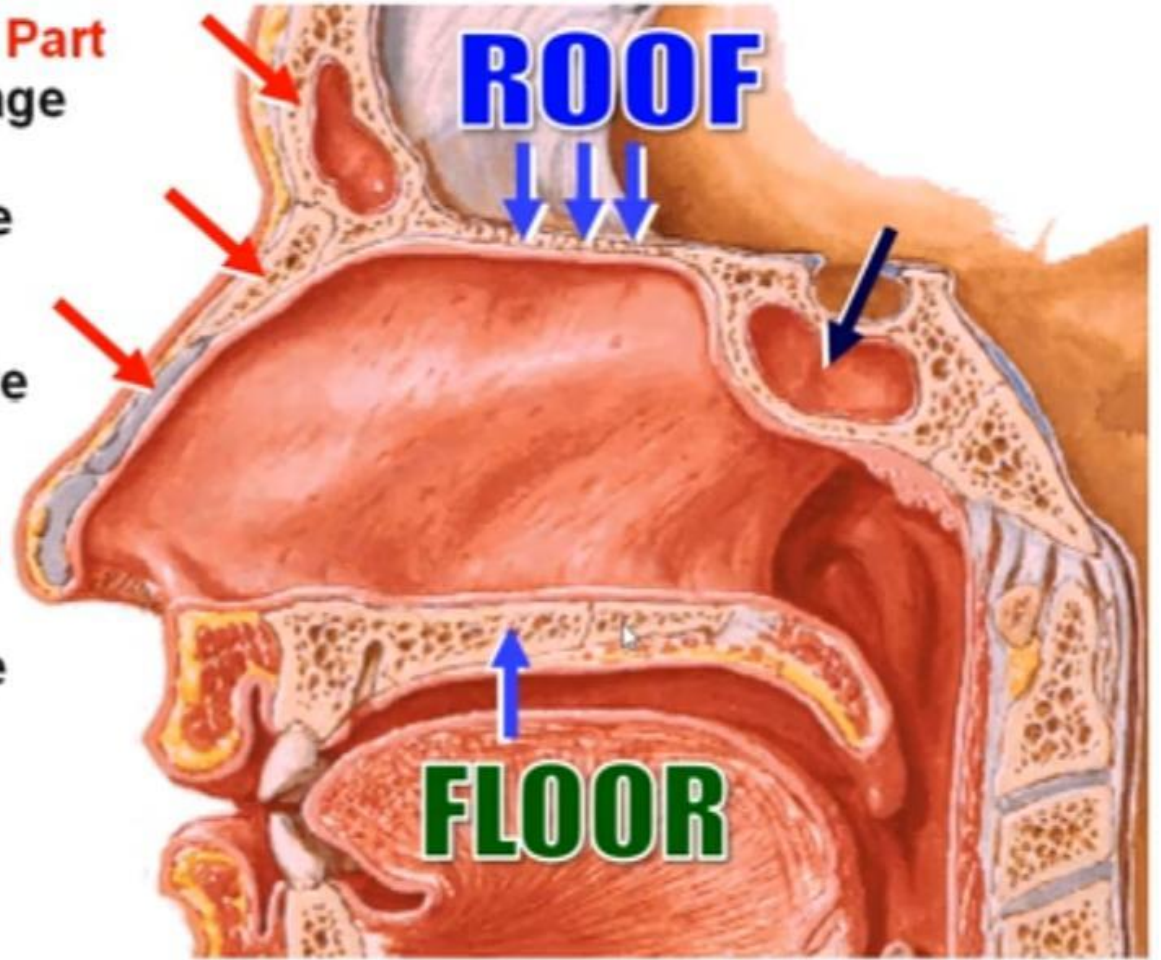
Cribriform plate of ethmoid

Posterior Part:

Body of the sphenoid bone

Floor:

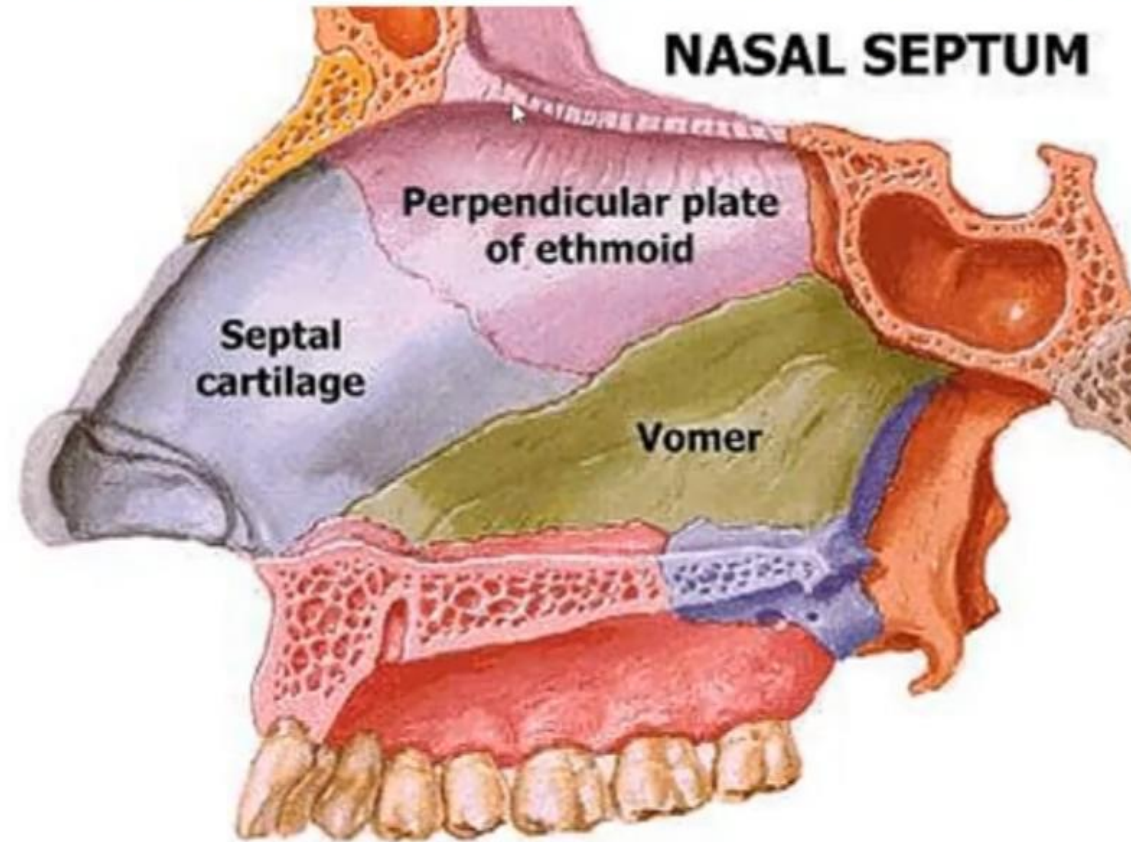
Hard palate



Medial wall
(Nasal septum)

- The nasal septum forms the medial wall

NASAL SEPTUM



Lateral wall of nasal cavity

Lateral wall have nasal conchae, lacrimal, maxillary and palatine bones

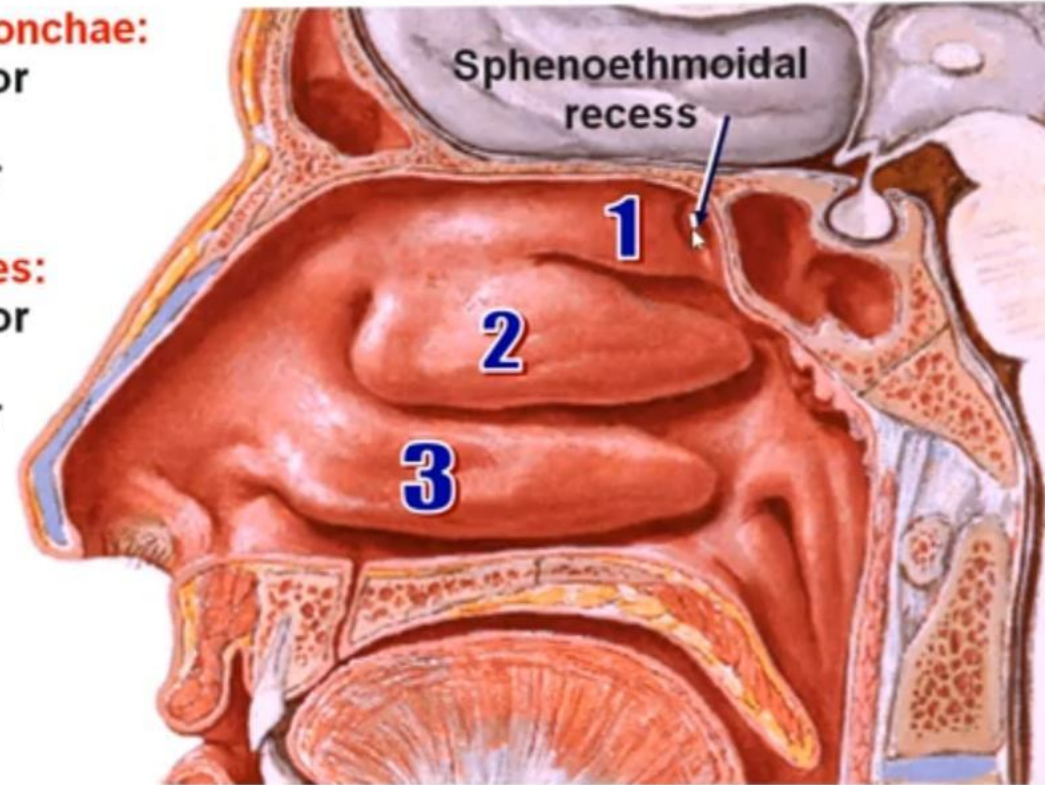
- Conchae are bony projections
- Meatuses are space between conchae

3 Nasal conchae:

1. Superior
2. Middle
3. Inferior

3 Meatuses:

1. Superior
2. Middle
3. Inferior



Openings in to
lateral wall

STRUCTURES OPENING INTO THE LATERAL WALL

1. SPHENOETHMOIDAL RECESS:

Sphenoidal air sinus

2. SUPERIOR MEATUS:

Posterior ethmoidal sinus

3. MIDDLE MEATUS:

A. Middle ethmoidal sinus: **Bulla**

B. Anterior ethmoidal sinus: **HS**

C. Maxillary sinus: **HS**

D. Frontal sinus: **Infundibulum**

4. INFERIOR MEATUS:

Nasaolacrimonal duct



Nasal cavity Mucous membrane

Nasal cavity consist of three areas

Vestibule

An area in nostrils having modified skin and coarse hairs

Respiratory region

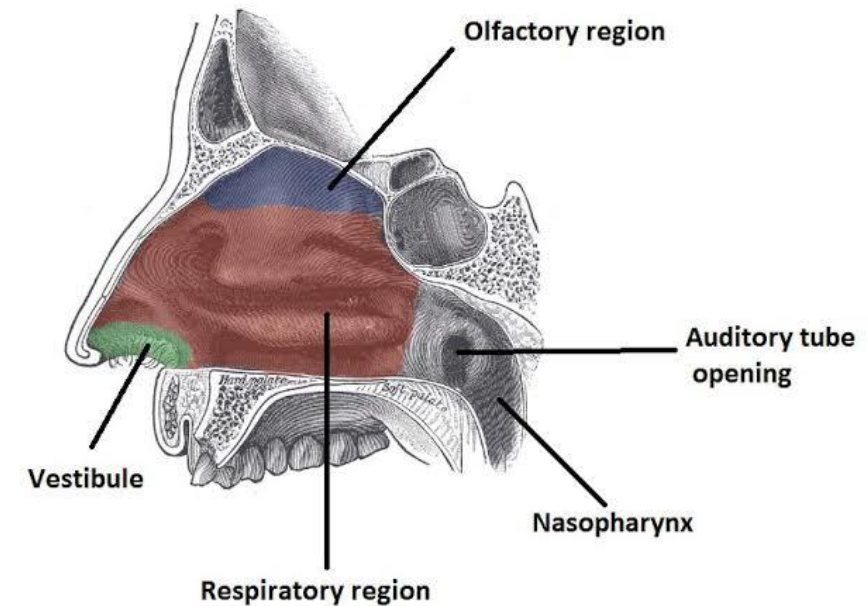
Respiratory region consist of **respiratory mucous membrane**

This membrane helps to

- Warm
- Filter
- Moist air

Olfactory region

Oactory region contains **olfactory mucous membrane** and **nerve endings** sensitive to perception of smell



Thank you

Thank you very much

