

## Unit 18: Topographic anatomy: **Nose**

### Guide for the practical class using Anatomedia online

#### Topography of the nose and paranasal sinuses

1. Go to An@tomedica, **head** module-regions-frame: **05** (Regions of head)
  - Click on underlined text to locate and distinguish cranial, facial and upper airway regions of the head, see where the nose belongs/is located
  - Activate 'can you identify' to see that the nose is a deep region of the head
2. Go to An@tomedica, **head** module-regions-frame: **24** (Nose & nasal cavity)
  - Click on underlined text to identify:
    - structural framework of the external nose
    - framework/features of lateral and medial walls of nasal cavity
    - path of drainage of tears from the orbit to the nose
    - vascular anastomoses in the nasal septum and its clinical significance
  - Activate 'can you identify' to visualize bones that form walls of the nasal cavity, mucosal and cutaneous lining, position of paranasal sinuses
3. Go to An@tomedica, **head** module-regions-frame: **25** (Paranasal air sinuses)
  - Click on underlined text to identify frontal, ethmoidal, sphenoidal and maxillary air sinuses
  - Activate 'can you identify' to visualize individual air sinuses and associated bony features
4. Go to An@tomedica, **head** module-regions-frame: **23** (Pterygopalatine fossa)
  - Click on underlined text to identify boundaries, arteries and nerves of pterygopalatine fossa, particularly the pterygopalatine ganglion
  - Activate 'can you identify' to visualize the content of pterygopalatine fossa and press the 'lm' button to see the exact location of the fossa

#### Imaging of the nose and paranasal sinuses

5. Go to An@tomedica, **head** module-imaging-frame: **03** (Skull: occipito-mental view)
  - Click on underlined text to see how is this view obtained, and to underlined text: (02) to highlight the paranasal sinuses
  - Activate 'can you identify' to visualize parts of the nasal cavity and paranasal sinuses

6. Go to An@tomedica, **head** module-imaging-frame: **44** (Nasal cavity-anterior rhinoscopy)

- Activate 'can you identify' to visualize parts of the nasal cavity via endoscopy
- Click on underlined text to access the video recording of rhinoscopy

### **Nerves and blood vessels of the nasal cavity**

7. Go to An@tomedica, **head** module-systems-frame: **62** (Cranial nerve V)

- Click on underlined text to review anatomy of trigeminal nerve, particularly the maxillary nerve (Vb) and its branches, particularly those projecting to the nasal cavity. Look at the neural organization of sneeze reflex.
- Activate 'can you identify' to visualize individual branches of the maxillary nerve

8. Go to A@tomedica, **head** module-systems-frame: **68** (External carotid artery)

- Click on underlined text to visualize branches of external carotid artery, particularly the course and branches of the maxillary artery (3<sup>rd</sup> part)
- Activate 'can you identify' to visualize the above arterial branches

9. Go to An@tomedica, **head** module-systems-frame: **71** (Extracranial & diploic veins)

- Click on underlined text to visualize superficial and deep extracranial veins and their tributaries
- Activate 'can you identify' to visualize the above veins and their tributaries