



SNS COLLEGE OF ALLIED HEALTH SCIENCES
SNS Kalvi Nagar, Coimbatore - 35
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DEPARTMENT : PHYSICIAN ASSISTANT

COURSE NAME : ANATOMY

UNIT : SENSE ORGANS

TOPIC : NOSE



SENSE ORGANS



- Sensory Organs provide us with data for perception, and it is the physiological capacity of all living organisms.
- Five sense organs are equipped in the human body. Those organs provide us with first-hand information about our external or internal world.



The names of those organs are stated below

- Eye: perceives vision.
- Ear: perceives sound.
- Skin: perceives touch, temperature, roughness.
- Nose: perceives smell.
- Tongue: perceives taste.



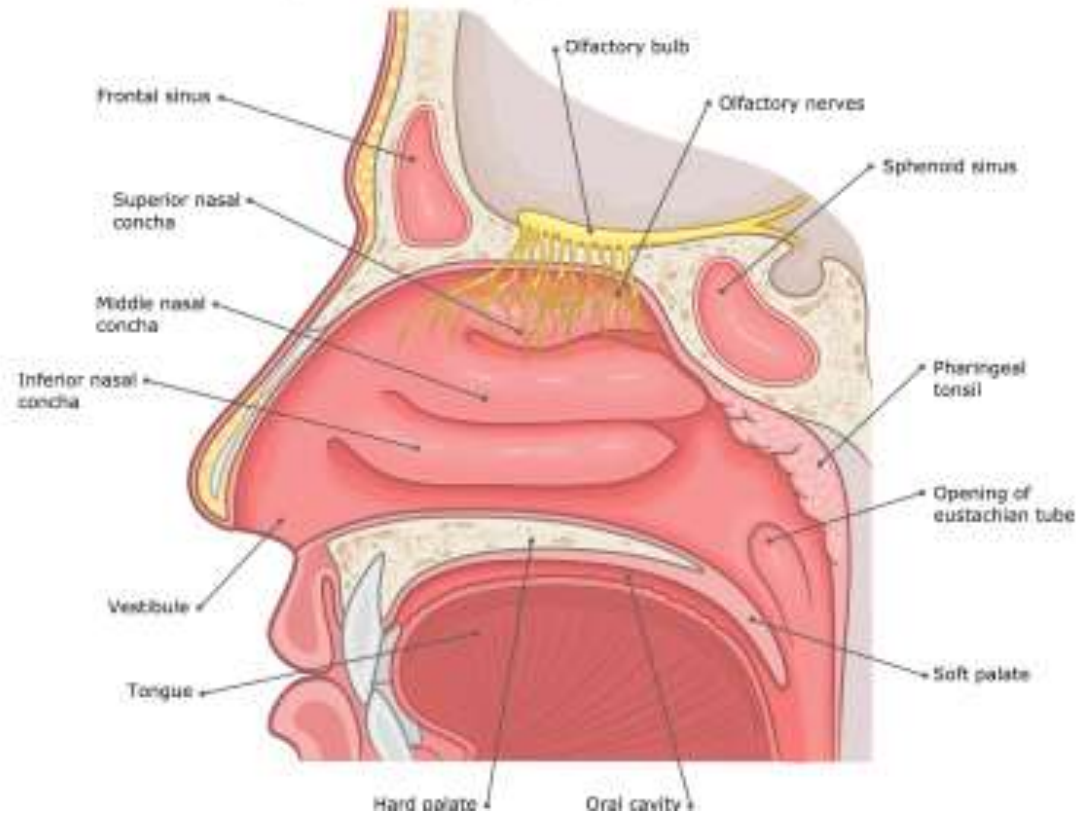
NOSE



- The nose detect dissolved chemicals in the air. The chemicals' sense of taste and smell are functionally similar and interrelated. The nose serves as the entrance to the respiratory tract and contains the olfactory organ.
- It also conditions the air by filtering, warming, and moistening it, and cleans itself of foreign debris extracted from inhalations.



Nasal cavity anatomy





- The nose contains mucus-coated receptors which are specialized for receiving the sense of smell and are called olfactory receptors.
- These receptors are made up of olfactory epithelium that consists of three kinds of cells.
- The neurons of the olfactory epithelium extend from the outside environment directly into a pair of bean-sized organs called the olfactory bulb.



WORKING OF HUMAN NOSE



- The air enters the body through the nose. As it passes over the olfactory receptor, they give us the nature of smell. These receptors can easily detect different types of smells. The hair present in the passage traps foreign particles.
- The nose and tongue detect dissolved chemicals. The chemicals' sense of taste and smell are functionally similar and interrelated.



APPLIED ANATOMY



- Deviated septum - a shifting of the wall that divides the nasal cavity into halves.
- Nasal polyps - soft growths that develop on the lining of your nose or sinuses.
- Nosebleeds.
- Rhinitis - inflammation of the nose and sinuses sometimes caused by allergies. ...
- Nasal fractures, also known as a broken nose.



ASSESSMENT



- How Nose is working ?
- What is the Anatomy of Nose ?