

The Respiratory System

- I. Functions of the respiratory system**
 - A. Pulmonary ventilation**
 - B. External respiration**
 - C. Transport of respiratory gases**
 - D. Internal respiration**
- II. Structure of the respiratory system**
 - A. Zones**
 - 1. Conducting zone**
 - 2. Respiratory zone**
 - B. Organs**
 - 1. Nose**
 - a. Functions**
 - b. Structures**
 - i. External nose**
 - A. Bridge**
 - B. Dorsum nasi**
 - C. Apex**
 - D. Alae**
 - ii. Nasal cavity**
 - A. Nares**
 - B. Nasal septum**
 - C. Posterior nasal apertures**
 - D. Roof and floor**
 - E. Nasal vestibule**
 - 1. Vibrissae**
 - F. Olfactory mucosa**
 - G. Respiratory mucosa**
 - 1. Sensory nerve endings**
 - 2. Capillary plexuses**
 - H. Nasal conchae**
 - 1. Nasal meatuses**
 - I. Paranasal sinuses**
 - 2. Pharynx**
 - a. Function**
 - b. Structures**
 - i. Nasopharynx**
 - A. Pharyngeal tonsil**
 - B. Pharyngotympanic tube**
 - C. Uvula**
 - ii. Oropharynx**
 - A. Isthmus of the fauces**
 - B. Palatine and lingual tonsils**
 - iii. Laryngopharynx**

- 3. Larynx**
 - a. Functions**
 - b. Structures**
 - i. Thyroid cartilage**
 - A. Laryngeal prominence**
 - ii. Cricoid cartilage**
 - iii. Arytenoid, cuneiform, and corniculate cartilages**
 - iv. Epiglottis**
 - v. Vocal folds**
 - A. Glottis**
 - vi. Vestibular folds**
- 4. Trachea**
 - a. Histology**
 - i. Mucosa**
 - ii. Submucosa**
 - iii. Adventitia**
 - b. Carina**
- 5. Bronchial tree**
 - a. Bronchi**
 - i. Right and left main (primary) bronchi**
 - ii. Lobar (secondary) bronchi**
 - iii. Segmental (tertiary) bronchi**
 - b. Bronchioles**
 - i. Terminal bronchioles**
 - ii. Respiratory bronchioles**
 - c. Alveoli**
 - i. Alveolar ducts**
 - ii. Alveolar sacs**
 - iii. Alveoli**
 - A. Respiratory membrane**
- 6. Lungs**
 - a. Function**
 - b. Structures**
 - i. Apex**
 - ii. Base**
 - iii. Hilum**
 - iv. Left lung**
 - A. Superior and inferior lobes**
 - B. Oblique fissure**
 - C. Cardiac notch**
 - v. Right lung**
 - A. Superior, middle, and inferior lobes**
 - B. Horizontal and oblique fissures**
 - vi. Bronchopulmonary segments**
 - vii. Stroma**
 - viii. Pleurae**
- 7. Muscles**