

Histology MCQs/Respiratory System II

1 What is true about the mucosa of inferior concha?

- ☐ Epithelium is pseudostratified columnar, lamina propria contains few vessels only
- ☐ Epithelium is pseudostratified columnar, lamina propria contains numerous vessels
- ☐ Epithelium is stratified squamous, lamina propria contains few vessels only
- ☐ Epithelium is stratified squamous, lamina propria contains numerous vessels

2 In which part of respiratory system do we have sebaceous glands?

- ☐ Bronchioli
- ☐ Nostrils
- ☐ Trachea
- ☐ Larynx

3 Which structure is on apical part of brush cells of respiratory passages?

- ☐ Stereocilia
- ☐ Microvilli
- ☐ Kinocilia
- ☐ Nothing

4 What is main function of goblet cells of respiratory passages?

- ☐ Production of signaling molecules
- ☐ Phagocytosis of bacteria
- ☐ Production of mucus
- ☐ Chemoreception

5 Pharynx:

- ☐ Epithelium of oropharynx is pseudostratified columnar, epithelium of nasopharynx is pseudostratified columnar
- ☐ Epithelium of oropharynx is pseudostratified columnar, epithelium of stratified squamous
- ☐ Epithelium of oropharynx is stratified squamous, epithelium of nasopharynx is pseudostratified columnar
- ☐ Epithelium of oropharynx is stratified squamous, epithelium of nasopharynx is stratified squamous

6 Which cartilages are in the larynx?

- ☐ Hyaline only
- ☐ Elastic only
- ☐ Both hyaline and elastic
- ☐ There is no cartilage in the larynx

7 Which type of epithelium covers the vocal folds?

- ☐ Pseudostratified columnar without cilia
- ☐ Pseudostratified columnar with cilia
- ☐ Stratified squamous non-keratinizing
- ☐ Stratified squamous keratinizing

8 Which type of muscle tissue is main tissue of vocal muscle?

- ☐ Medial portion is composed of skeletal muscle, lateral portion is composed of smooth muscle
- ☐ Medial portion is composed of smooth muscle, lateral portion is composed of skeletal muscle
- ☐ Skeletal muscle
- ☐ Smooth muscle

9 Which type of muscle tissue is main tissue of tracheal muscle?



A London fog, 1847

- ☐ Both smooth and skeletal muscle
- ☐ Tracheal muscle does not exist
- ☐ Skeletal muscle
- ☐ Smooth muscle

10 Which cartilage takes place in the wall of trachea?

- ☐ Hyaline cartilage
- ☐ Elastic cartilage
- ☐ Fibrocartilage
- ☐ It depends on the level (distance from the nose)

11 Which structure is not present in bronchioli?

- ☐ Pseudostratified columnar epithelium
- ☐ Hyaline cartilage
- ☐ Elastic fibers
- ☐ Smooth muscle

12 What is not a function of club cells (Clara cells)?

- ☐ Production of antibacterial peptides
- ☐ Production of free radicals
- ☐ Production of surfactant
- ☐ Production of mucus

13 Which type of fibers is not abundant inside interalveolar septa?

- ☐ Fibers of type III collagen
- ☐ Fibers of type I collagen
- ☐ Elastic fibers
- ☐ Reticular fibers

14 Alveolar capillaries are:

- ☐ Non-fenestrated with discontinuous basement membrane
- ☐ Non-fenestrated with continuous basement membrane
- ☐ Fenestrated with discontinuous basement membrane
- ☐ Fenestrated with continuous basement membrane

15 Which of following cells contains lamellar bodies?

- ☐ Type II pneumocyte
- ☐ Type I pneumocyte
- ☐ Goblet cell
- ☐ Dust cell

16 Type I pneumocytes:

- ☐ Contain abundant Golgi apparatus
- ☐ Contain pinocytotic vesicles
- ☐ Produce surfactant
- ☐ Produce mucus

17 What is a dust cell?

- ☐ Laryngeal macrophage
- ☐ Laryngeal neutrophil
- ☐ Alveolar macrophage
- ☐ Alveolar neutrophil

18 What is a mesothelium?

- ☐ Multiple layers of squamous cells
- ☐ Multiple layers of columnar cells.
- ☐ One layer of squamous cells
- ☐ One layer of columnar cells

19 Which of following structures is main motoric structure inside cilia (kinocilia)?

- ☐ Microtubules associated with dyneins
- ☐ Microtubules associated with kinesins
- ☐ Actin associated with type I myosin
- ☐ Actin microfilaments alone

20 Which cells are main receptors of olfactory mucosa?

- ☐ Sensoric epithelial cells
- ☐ Multipolar neurons
- ☐ Bipolar neurons
- ☐ Basal cells

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