

QUIZ TIME

oral physiology

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Lec: 1



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1. Which of the following is a major salivary gland?

- A. Labial gland
- B. Parotid gland
- C. Buccal gland
- D. Palatine gland

Ans B. Parotid gland

2. Which of the following is a minor salivary gland?

- A. Parotid gland
- B. Sublingual gland
- C. Buccal gland
- D. Submandibular gland

Ans C. Buccal gland

3. The sublingual gland is classified as:

- A. Major salivary gland
- B. Minor salivary gland
- C. Mucous gland only
- D. Serous gland only

Ans A. Major salivary gland

4. The oral cavity is divided into:

- A. Oral vestibule and oral cavity proper
- B. Upper and lower parts
- C. Anterior and posterior regions
- D. Buccal and palatal parts

Ans A. Oral vestibule and oral cavity proper

5. The labial glands are located in the:

- A. Oral cavity proper
- B. Oral vestibule
- C. Tongue
- D. Floor of the mouth

Ans B. Oral vestibule

6. The palatine glands are located in the:

- A. Oral vestibule
- B. Oral cavity proper
- C. Parotid region
- D. Between lips and teeth

Ans B. Oral cavity proper

7. The space between the lips/cheeks and teeth is known as:

- A. Oral vestibule
 - B. Oral cavity proper
 - C. Palate
 - D. Oropharynx
- Answer: A. Oral vestibule

8. The parotid gland of adults secretes:

- A. Serous saliva
 - B. Mucous saliva
 - C. Mixed saliva
 - D. No secretion
- Answer: A. Serous saliva

9. The sublingual gland mainly secretes:

- A. Serous saliva
 - B. Mucous saliva
 - C. Mixed saliva
 - D. Watery saliva
- Answer: B. Mucous saliva

10. The submandibular gland secretes:

- A. Serous saliva only
 - B. Mucous saliva only
 - C. Mixed saliva
 - D. Serous and mucous but separately
- Answer: C. Mixed saliva

11. Which of the following glands secretes serous saliva?

- A. Parotid gland of adult
 - B. Sublingual gland
 - C. Palatine glands
 - D. Buccal glands
- Answer: A. Parotid gland of adult

12. Which glands secrete mucous saliva?

- A. Von Ebner's glands
 - B. Sublingual glands
 - C. Parotid glands
 - D. None
- Answer: B. Sublingual glands

13. Which glands secrete mixed saliva?

- A. Submandibular and sublingual
 - B. Weber glands
 - C. Palatine
 - D. Von Ebner's
- Answer: A. Submandibular and sublingual

14. Daily salivation rate in adults is approximately:

- A. 0.1–0.2 L/day
 - B. 0.5–1.5 L/day
 - C. 2–3 L/day
 - D. 4–5 L/day
- Answer: B. 0.5–1.5 L/day

15. Which salivary gland contributes the largest percentage of total saliva in rest ?

- A. Parotid gland
 - B. Submandibular gland
 - C. Sublingual gland
 - D. Minor glands
- Answer: B. Submandibular gland

16. The flow rate of stimulated saliva is about:

- A. 0.2 mL/min
 - B. 1 mL/min
 - C. 2 mL/min
 - D. 5 mL/min
- Answer: C. 2 mL/min



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Done by : Rahaf Alfogaha

Lec:2



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1- Which of the following best describes the structure of an acinus?

- A) A single flat cell surrounding a wide lumen
- B) A collection of cells surrounding a lumen, enclosed by basement membrane
- C) A group of ducts without lumen
- D) A connective tissue capsule
- E) A collection of fibroblasts

2- Myoepithelial cells are located between:

- A) The duct cells and connective tissue
- B) The acinar lumen and acinar cells
- C) The acinar cells and the basement membrane
- D) The striated duct and intercalated duct
- E) The serous demilune and mucous acini

3- Serous acini secrete mainly:

- A) Glycoproteins
- B) Enzymes
- C) Mucigen granules
- D) Lipids
- E) Hormones

4- Which feature best differentiates serous acini from mucous acini under light microscopy?

- A) Shape of the lumen
- B) Presence of zymogen granules
- C) Number of nuclei
- D) Type of basement membrane
- E) Arrangement of ducts

5- The nuclei of serous cells are typically:

- A) Flat and located apically
- B) Round and basally placed
- C) Irregular and centrally located
- D) Absent
- E) Multiple per cell

6- The zymogen granules in serous cells are found in:

- A) The basal region**
- B) The apical cytoplasm**
- C) The nucleus**
- D) The Golgi apparatus**
- E) The intercalated duct**

7- Which component is more developed in mucous cells than in serous cells?

- A) Mitochondria**
- B) RER**
- C) Golgi apparatus**
- D) Lysosomes**
- E) Ribosomes**

8- Mucous acini are mainly responsible for:

- A) Digestion of starch**
- B) Lubrication and protection of oral surfaces**
- C) Immune defense by antibodies**
- D) Calcium secretion**
- E) Secretion of hormones**

9- The term serous demilune refers to:

- A) A serous cell inside the mucous acini**
- B) A group of mucous cells surrounding serous acini**
- C) A crescent-shaped cap of serous cells over mucous acini**
- D) The junction between ducts**
- E) A type of intercalated duct**

10- The Demilune of von Ebner is typically seen in:

- A) Parotid gland**
- B) Submandibular gland**
- C) Sublingual gland**
- D) Both B and C**
- E) Only in minor salivary glands**

11- The main functional role of myoepithelial cells is to:

- A) Secrete mucus**
- B) Secrete enzymes**
- C) Provide mechanical contraction to expel saliva**
- D) Form the basement membrane**
- E) Produce connective tissue fibers**

12- Which of the following statements about serous acini is correct?

- A) They have a wide lumen**
- B) Their cytoplasm is eosinophilic**
- C) They are light-stained structures**
- D) They contain basophilic cytoplasm and narrow lumen**
- E) They lack basement membrane**

13- Which gland consists mainly of mucous acini with few serous demilunes?

- A) Parotid gland**
- B) Submandibular gland**
- C) Sublingual gland**
- D) Minor buccal gland**
- E) Lingual gland**

14- The junctional complexes between acinar cells function to:

- A) Allow saliva to diffuse into connective tissue**
- B) Prevent saliva leakage between cells**
- C) Connect ducts to acini**
- D) Anchor cells to the basement membrane**
- E) Transport ions**

15- Serous secretion differs from mucous secretion mainly in that it:

- A) Is thicker and more viscous**
- B) Contains more glycoproteins**
- C) Is watery and rich in enzymes**
- D) Lacks any protective role**
- E) Is secreted only during sleep**

ANSWERS :

1- B

2- C

3- B

4- B

5- B

6- B

7- C

8- B

9- C

10- D

11- C

12- D

13- C

14- B

15- C

