

QUIZ TIME

Microbiology

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Lec: 19



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1. Which type of microorganism is the most predominant in the human oral cavity?

- a) Fungi
- b) Viruses
- c) Bacteria
- d) Protozoa

Correct Answer: c) Bacteria

2. Approximately how many microorganisms are present in each milliliter of saliva?

- a) 750 thousand
- b) 7.5 million
- c) 75 million
- d) 750 million

Correct Answer: d) 750 million

3. The oral mucosa has a high turnover rate, with epithelial cells being replaced roughly every:

- a) 3 to 5 days
- b) 7 to 10 days
- c) 14 to 21 days
- d) 30 to 45 days

Correct Answer: c) 14 to 21 days

4. Which surface in the oral cavity provides an environment that favors the growth of obligate anaerobic bacteria implicated in periodontal diseases?

- a) Oral mucosa
- b) Dorsum of tongue
- c) Smooth tooth surface
- d) Palate

Correct Answer: b) Dorsum of tongue



5. Which bacterium is predominant on the cheeks?

- a) Staphylococcus albus
- b) Streptococcus mutans
- c) Porphyromonas gingivalis
- d) Candida albicans

Correct Answer: b) Streptococcus mutans

6. Saliva acts primarily as a _____ for microorganisms within the oral cavity.

- a) Primary habitat
- b) Nutrient source only
- c) Carrier fluid and reservoir
- d) Inhibitory agent

Correct Answer: c) Carrier fluid and reservoir

7. The tooth surface is considered a unique microbial habitat because it is a:

- a) Shedding surface
- b) Non-shedding surface
- c) Highly acidic environment
- d) Highly aerobic environment

Correct Answer: b) Non-shedding surface

8. Which of the following is a primary nutrient source for the root surface microflora?

- a) Dietary sugars
- b) Saliva ● c) Gingival crevicular fluid (GCF)
- d) Epithelial debris

Correct Answer: c) Gingival crevicular fluid (GCF)

9. In the oral cavity of newborns, which organisms are the pioneer organisms?

- a) Lactobacilli
- b) Staphylococci
- c) Streptococci
- d) Neisseria

Correct Answer: c) Streptococci

10. Which two species are strongly associated with root caries (disease)?

- a) Streptococcus salivarius and Actinomyces
- b) Porphyromonas gingivalis and Treponema denticola
- c) Streptococcus mutans and Lactobacillus species
- d) Staphylococcus albus and Micrococci

Correct Answer: c) Streptococcus mutans and Lactobacillus species

11. The 'red complex' bacteria, strongly associated with periodontitis, include Porphyromonas gingivalis, Tannerella forsythia, and:

- a) Streptococcus mutans
- b) Actinomyces viscosus
- c) Treponema denticola
- d) Candida albicans

Correct Answer: c) Treponema denticola

12. Most oral bacteria have an optimum pH for growth in the range of: ● a) 4.5 – 5.5

- b) 5.5 – 6.5
- c) 6.75 – 7.25
- d) 7.5 – 8.5

Correct Answer: c) 6.75 – 7.25

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