

Theory Knowledge Test of Preventive Dentistry (Paper A 10*2=20 points)

1. What is the optimal time for pit and fissure sealing?
 - A. After the eruption of primary teeth
 - B. After the eruption of the first permanent molar (6–7 years old)
 - C. After all permanent teeth have erupted
 - D. After the age of 12
2. What is the recommended age for using fluoridated toothpaste?
 - A. 1 year old
 - B. 2 years old
 - C. 3 years old
 - D. 4 years old
3. Which of the following is the core of primary prevention for dental caries?
 - A. Pit and fissure sealing
 - B. Application of fluorides plus sugar intake control
 - C. Early dental restoration
 - D. Periodontal treatment
4. What are the core measures for the primary prevention of periodontal diseases?
 - A. Scaling
 - B. Oral health education and regular examinations
 - C. Periodontal surgery
 - D. Antibiotic use
5. What is the key brushing angle of the Bass method?
 - A. 30°
 - B. 45°
 - C. 60°
 - D. 90°
6. What is the correlation between periodontal diseases and diabetes?
 - A. No correlation
 - B. A two-way vicious cycle
 - C. Only periodontal diseases affect diabetes
7. What is the primary cause of the high incidence of dental caries in primary teeth?
 - A. Thin enamel of primary teeth
 - B. Improper feeding habits of parents (sleeping with milk in mouth)
 - C. Low frequency of tooth brushing
 - D. All of the above
8. What is the correct amount of toothpaste for children aged 0 to 3?
 - A. Pea-sized amount
 - B. Rice grain-sized amount
 - C. Fingernail-sized amount
 - D. No need to use toothpaste
9. What is the recommended fluoride concentration for community water fluoridation?
 - A. 0.5mg/L
 - B. 0.6-1.0mg/L
 - C. 1.0-1.5mg/L
 - D. 1.5-2.0mg/L
10. What is the mechanism by which periodontal disease in pregnant women increases the risk of preterm birth?
 - A. Inflammatory factors enter the bloodstream and stimulate uterine contractions
 - B. Malnutrition
 - C. Excessive stress
 - D. All of the above

Case Analysis Question (Total: 10 points)

Case: Xiao Ming, 6 years old, likes eating sweets and drinking carbonated beverages. His parents report that he brushes his teeth carelessly and for an insufficient time. As a dentist, please formulate a personalized caries prevention plan for him.

Requirements and Scoring Criteria:

Dietary guidance (3 points)

Home oral care guidance (4 points)

Recommended professional intervention measures (3 points)

Theory Knowledge Test of Preventive Dentistry (Paper B 10*2=20 points)

1. What is the main reason for the increased risk of dental caries in diabetic patients?
 - A. Imbalance of oral flora
 - B. Reduced saliva caused by hyperglycemia
 - C. Decreased frequency of tooth brushing
 - D. All of the above
2. What is the main reason why patients wearing fixed orthodontic appliances are prone to dental caries?
 - A. Brackets cannot be cleaned thoroughly with a toothbrush
 - B. High-sugar diet
 - C. Reduced saliva secretion
 - D. All of the above
3. Why is the first dental visit recommended within the first year of life?
 - A. Detect dental caries at an early stage
 - B. Establish good oral health habits
 - C. Evaluate feeding patterns
 - D. All of the above
4. Which of the following communication methods is most suitable for oral health education for children?
 - A. Printed brochures
 - B. Short videos on social media
 - C. Classroom PPT presentations
 - D. Expert lectures
5. What is the most fundamental and effective measure to prevent periodontal diseases?
 - A. Regular scaling
 - B. Dental plaque control
 - C. Medicated mouth rinsing
 - D. Periodontal surgery
6. What is the primary measure to prevent dental caries for a 10-year-old child who drinks carbonated beverages every day?
 - A. Brush teeth twice a day
 - B. Switch to plain water and rinse mouth after meals
 - C. Use fluoridated toothpaste
 - D. Receive professional fluoride application monthly
7. What ethical issues should be avoided in oral health education?
 - A. Attribute dental diseases to "poor personal hygiene"
 - B. Disclose patients' medical records
 - C. Induce overtreatment
 - D. All of the above
8. What are the applications of artificial intelligence in preventive dentistry?

- A. Detect early dental caries through image analysis
 - B. Provide personalized health recommendations
 - C. Identify high-risk groups
 - D. All of the above
9. What is the best communication strategy when a patient refuses oral prevention services?
- A. Find out the reasons for refusal
 - B. Provide alternative solutions
 - C. Respect the patient's choice
 - D. All of the above
10. What is the recommended age for children to use fluoride mouthwash?
- A. 2 years old B. 3 years old C. 6 years old D. 8 years old

Case Analysis Question (Total: 10 points)

Case: Aunt Wang, 55 years old. She suffers from severe dry mouth due to long-term use of antihypertensive drugs, accompanied by tooth sensitivity and frequent gingival bleeding during toothbrushing. Please work out a personalized oral health prevention and care plan for her.

Requirements and Scoring Criteria

Management suggestions for xerostomia (3 points)

Home care guidance for tooth sensitivity and gingival bleeding (4 points)

Recommended professional interventions and key points for regular check-ups (3 points)