

Test Bank for Power Instrumentation for the Dental Professional 1st Mayo

Multiple Choice

1. Which of the following is a reason why a biofilm can readily bind to and build colonies inside dental unit water line tubing?

- A) Tubing is plastic with a narrow lumen size
- B) Tubing has inconsistent water flow rates
- C) Water can become stagnant inside the tubing
- D) All of the above

Answer: D

A-Head: Dental aerosol management

Subject: Chapter 2

Complexity: Moderate

Bloom's Taxonomy: Remembering/Understanding

2. Which of the following devices will remove 100 cubic of air per minute and reduce environmental aerosol contamination by at minimum 90% when used as instructed by the manufacturer?

- A). Low volume evacuation
- B.) Extraoral scavenging device
- C.) Filtering facepiece respirator
- D.) High volume evacuation

Answer: D

A-Head: Dental aerosol management

Subject: Chapter 2

Complexity: Moderate

Bloom's Taxonomy: Applying/Analyzing

3. Which of the following is a technology that can improve indoor air quality and reduce the risk of disease transmission from contaminated air?

- A). UV light
- B.) Vapor hydrogen peroxide
- C.) High volume evacuation
- D.) Both A & B
- E.) All of the above

Answer: D

A-Head: Dental aerosol management

Subject: Chapter 2

Complexity: Moderate

Bloom's Taxonomy: Applying/Analyzing

True/False

Test Bank

1. True or False? A biofilm is a collection of microbial cells that bind together on a surface and form an enclosed matrix held together by polysaccharides that is reversibly bound to a surface.

Answer: False

A-Head: Dental aerosol management

Subject: Chapter 2

Complexity: Easy

Bloom's Taxonomy: Remembering/Understanding

2. True or False? Water and vacuum tubing on a dental unit does not provide a favorable environment for the growth of a biofilm.

Answer: False

A-Head: Dental aerosol management

Subject: Chapter 2

Complexity: Easy

Bloom's Taxonomy: Remembering/Understanding

3. True or False? According to the CDC, it is acceptable for the dental unit water line to have 250CFU/mL heterotrophic mesophilic water bacteria in the line for a surgical procedure

Answer: False

A-Head: Dental aerosol management

Subject: Chapter 2

Complexity: Easy

Bloom's Taxonomy: Remembering/Understanding

4. True or False? According to the CDC, it is acceptable for the dental unit water line to have 400CFU/mL heterotrophic mesophilic water bacteria in the line for a non-surgical procedure.

Answer: True

A-Head: Dental aerosol management

Subject: Chapter 2

Complexity: Easy

Bloom's Taxonomy: Remembering/Understanding

5. True or False? The ASTM has set three performance levels for filtering facepiece respirator masks.

Answer: False

A-Head: Dental aerosol management

Subject: Chapter 2

Complexity: Easy

Bloom's Taxonomy: Remembering/Understanding

6. True or False? If you wear a face shield during an aerosol-generating procedure, you do not need to additionally wear protective eye wear.

Answer: False

A-Head: Dental aerosol management

Subject: Chapter 2

Complexity: Easy

7. True or False? A surgical mask will provide higher protection for the wearer from small particle size aerosols compared to a filtering facepiece respirator mask.

Answer: False

A-Head: Dental aerosol management

Subject: Chapter 2

Complexity: Easy

Bloom's Taxonomy: Remembering/Understanding

8. True or False? If you have a HEPA filter in your dental operatory, you do not have to use a high volume evacuation device during a dental aerosol-generating procedure.

Answer: False

A-Head: Dental aerosol management

Subject: Chapter 2

Complexity: Moderate

Bloom's Taxonomy: Evaluating/Creating

Multiple Response

1. Which of the following would you prefer to use during a dental aerosol-generating procedure that offers the highest level of protection for the oral health care provider? Select all that apply.

- A. Surgical mask
- B. Filtering facepiece respirator mask
- C. Low volume evacuation
- D. High volume evacuation
- E. Hair covering
- F. Face shield

Answer: B, D, E, F

A-Head: Dental aerosol management

Subject: Chapter 2

Complexity: Moderate

Bloom's Taxonomy: Applying/Analyzing

2. Which of the following is an agent present in alcohol-based hand antiseptics used in health care? Select all that apply.

- A. Chlorhexidine gluconate
- B. Hexachlorophene
- C. Triclosan
- D. Isopropanol
- E. Ethanol
- F. Chloroxylonol

Answer: A, B, C, D, E

A-Head: Dental aerosol management

Subject: Chapter 2

Power Instrumentation for the Dental Professional, First Edition

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Test Bank

Complexity: Difficult

Bloom's Taxonomy: Remembering/Understanding