1. Practice Quiz #1 Pathophysiology of Infectious Diseases

2. Question 1 - A true fact about infectious diseases is:

- A. Diagnoses are always self-evident
- B. Antimicrobials are never started until the etiology of infection is known
- C. Only one infection can occur at any given time
- D. Host, pathogen and environment interactions are important considerations in the diagnosis of infections
3. Question 2 - An example of an endogenous pyrogen is:

- A. A bacterial antigen
- B. Toxins
- C. Lipopolysaccharide
- D. TNF-a

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4. Question 3 - Fever is regulated by the effects of endogenous...

- A. The thyroid gland
- B. Circumventricular organ
- C. Toll-like receptors
- D. Cholinergic nervous system

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5. Question 4 - Normal body temperature is:

- A. A range
- B. Independent of site
- C. Lower in the rectum than in the axilla
- D. Always the same throughout a 24 hour cycle

6. Question 5 - Primary bacteremia is:

- A. Invasion of the bloodstream by gram positive bacteria
- B. Result of intravenous drug use
- C. Invasion of bloodstream from infection at a remote site
- D. Never seen in the hospital setting
7. Question 6 - Sources of bacteremia include all except:

- A. Brushing teeth
- B. Direct inoculation
- C. Defecation
- D. Urination

8. Question 7 - One predisposing condition for Infective Endocarditis is:

- A. Malnutrition
- B. Scarlet fever
- C. Prosthetic valve
- D. Syphilitic aortitis
9. Question 8 - The hallmark of infective endocarditis is the c...

Question 8
The hallmark of infective endocarditis is the cardiac:

A. Platelet-fibrin deposition
B. Nonbacterial thrombotic endocarditis (NBTE)
C. Vegetation
D. Endothelial trauma

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10. End of quiz (1)

End of quiz

- Host, pathogen and environmental factors are all keys to understanding the pathogenesis of infectious diseases
- Endogenous pyrogens important in febrile response are IL-1β, TNF-α, and g-IF
- Hyperthermia is distinguished from fever by the fact that it is NOT derived from prostaglandins

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End of quiz

- Nosocomial bacteremias are often primary and associated with intravenous catheters; IVDU predisposes to direct inoculation
- Valvular abnormalities or intravascular devices are predisposing conditions for IE

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End of quiz

- Know the pathogenesis of IE
- Know the clinical manifestations of IE
- Know the complications of IE

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13. Key

Key

1) D
2) D
3) B
4) A
5) B
6) D
7) C

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