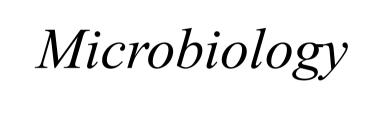
## Musculoskeletal System Odai Al-refai



- Which of the following is correct: (OM=Osteomyelitis)
- A. There is no way for us to detect antimicrobial resistance using PCR
- B. X-ray features can be seen within a few days of OM
- C. Normal White cell count Excludes the diagnosis of OM
- D. High ESR or CRP confirms the diagnosis of OM in presence of clinical suspicion
- E. Blood cultures can be negative in the setting of OM
- Answer: E

- Regarding hematogenous osteomyelitis, which of the following is correct:
- Answer: hematogenous osteomyelitis is the most common form in children

- True about pressure ulcer with deep necrosis:
- Answer: blood infection is more likely

• An 8-month old boy burned by hot water had partial thickness burns on 10% of his total surface area. He was admitted to hospital and received fluid therapy and wound care treatment. During hospitalization, he developed a high fever and exfoliation of the skin, except for the burns. He then received antibiotic infusion treatment daily. 6 days after initiating the treatment, he had epithelization of the trap surface, except for his burns. Skin exfoliation affected 36% of the total body surface area. What is the possible diagnosis:

Answer: pseudomonas

- Which of the following is correct: (OM=Osteomyelitis)
- A. Pseudomonas is becoming increasingly more sensitive to antimicrobials in OM setting
- B. Viruses almost never infect bone
- · C. S. pyogenes is most associated with implants or foreign material
- D. K. pneumoniae may be resistant to antimicrobials before or after therapy, but not during
- E. The most common and most aggressive pathogen is S. aureus
- Answer: E

- Which of the following is correct: (OM=Osteomyelitis)
- A. The presence of a prosthetic joint will less likely aid hematogenous spreading organisms to causeOM
- B. MRSA and MSSA are shown to be equally aggressive (virulent)
- C. Countries with better healthcare and access to orthopedics, have less OM than countries with limited healthcare
- D. Direct bone contamination yields hematogenous seeding of the bone causing OM
- E. A patient with vertebral OM from Africa is likely to reveal mycobacterial
   OM
- Answer: E

- Which of the following is CORRECT:
- A. Surgeries that involve GI tract or other lumens produce monomicrobial surgical site infections
- B. More infectious dose is required to cause infection on prosthesis
- · C. Non infected surgical wounds are not aerated and remain sutured
- D. If a large amount of infected material and dead tissue is present in the wound, systemic therapy with antimicrobials and primary intention healing is indicated
- E. Surgical site infections will have clinical manifestations within the first few hours post-surgery
- Answer: C

- Which of the following is the most common form of infection in patients with mucormycosis:
- · A. Cutaneous
- B. Rhinocerebral
- C. Pulmonary
- · D. Gastrointestinal
- E. Hematogenous dissemination
- · Answer: B

- Pityriasis versicolor is caused by:
- A. Candida albicans
- B. Dermatophytes
- · C. Malassezia
- D. Madurella mycetomatis
- E. None of the above
- · Answer: C

- Which of the following is Not considered an opportunistic fungal infection:
- · A. Candidiasis
- B. Sporotrichosis
- C. Aspergillosis
- D. Zygomycosis
- E. All answers considered opportunistic fungal infections
- · Answer: B

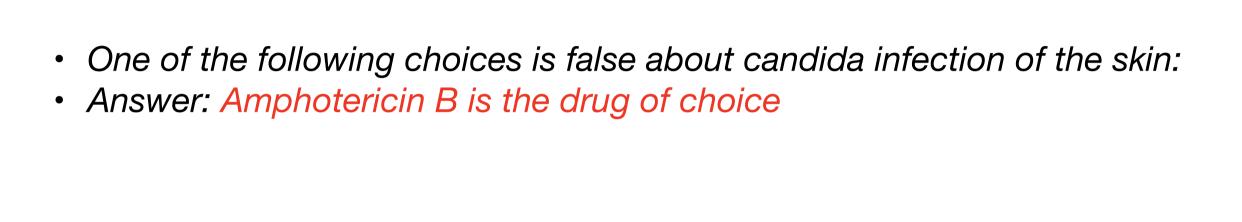
- Which of the following is true regarding Tinea versicolor:
- A. It is an example of cutaneous mycoses
- B. It is caused by candida species
- C. Its only clinical manifestation is hyperpigmentation
- D. It is diagnosed by a device called Wood lamp
- All are true answers

Answer: D

- The most prevalent (common) infection among all dermatophytoses is:
- A. Tinea pedis
- B. Tinea unguium
- C. Tinea corporis
- D. Tinea capitis
- E. Tinea cruris
- Answer: B (from google)( IF QUESTION ASKED ABOUT MOST SEVERE ONE ;ANSWER WILL BE D )

- Dermatophytes are fungi that:
- A. Infect the keratinized areas of the body
- B. Cause inapparent systemic infections
- C. Invariably invade the subcutaneous tissues
- D. Produce morphologically identical spores by all genera
- E. Best grow at 37°C
- Answer: A

- A 50-year-old woman receiving chemotherapy via a subclavian catheter for acute leukemia. She presented with fever and stiffness in the neck with clinical suspicion of meningitis. CF culture grew budding yeasts that formed germ tubes. The organism most likely causing this infection is:
- A. Cryptococcus neoformans
- B. Candida albicans
- C. Aspergillus Fumigatus
- D. Histoplasma capsulatum
- E. Candida tropicalis
- Answer: B



- Hypopigmented macules on the patient's chest and back / mild itchiness.
   On KOH mount, we will most likely see:
- Answer: round cells with short curved hyphae

