**Fungal Infections**

Suggested readings:

1. **Invasive Candidiasis**
   1. What are the most common risk factors associated with invasive candidiasis in the critically-ill patients?
   2. What common *Candida* species are not covered by fluconazole?
   3. Which Candida species is frequently associated with biofilm-associated infections on catheters?
   4. When should *Candida* endocarditis be suspected?
   5. How is the beta-D-glucan test used clinically in the diagnostic work-up of invasive candidiasis?
   6. What is the recommended treatment(s) of choice for invasive candidiasis (see slide 31)
2. **Cryptococcosis**
   1. What are the most common host factors associated with cryptococcal meningoencephalitis?
   2. What is immune-related inflammatory syndrome (IRIS) and when does it develop?
   3. What are the lumbar puncture findings consistent with cryptococcal meningitis
   4. What is the recommended induction antifungal regimen? What is the recommended consolidation antifungal therapy?
3. **Invasive aspergillosis**
   1. Which patient groups (risk factors) are at highest risk for invasive aspergillosis?
   2. Which aspergillus species are resistant to amphotericin B
   3. What are the most common patient factors that impact the sensitivity of the serum galactomannan test for diagnosing invasive aspergillosis?
   4. What are the differences in anti-mould spectrum of activity of voriconazole vs. posaconazole?
4. **Invasive fusariosis**
   1. How does the clinical presentation of fusariosis typically differ from invasive aspergillosis?
   2. What is the current treatment of choice?
5. **Invasive mucormycosis**
   1. How does the clinical presentation of mucormycosis typically differ from invasive aspergillosis?