Syllabus

Chapter 1. Sepsis syndrome
Teaching time: 2 hours
Objectives of the lesson:
1. Master the definitions of sepsis syndrome and SIRS
2. Know the relationship between sepsis syndrome and bacteria infection
3. Know the pathogenesis of sepsis and SIRS.
4. Master the clinical manifestations of sepsis syndrome.
5. Know the therapeutic measures of sepsis syndrome.

Chapter 2. The febrile patient
Teaching time: 2 hours
Objectives of the lesson:
1. Master the temperature regulation.
2. Master the definition of fever and FUO (fever of unknown origin).
3. Know the major causes of FUO.

Chapter 3. Viral hepatitis
Teaching time: 2 hours
Objectives of the lesson:
1. Master the three most common forms of viral hepatitis.
2. Know the major complications of viral hepatitis.

Chapter 4. Diarrhea
Teaching time: 2 hours
Objectives of the lesson:
1. Know the three most common bacterial causes of infectious diarrhea.
2. Know the test used for differentiating viral from bacterial diarrhea.
3. Know the pathogenesis, diagnosis and treatment of *C. difficile*-induced diarrhea.

Chapter 5. Measles
Teaching time: 2 hours
Objectives of the lesson:
1. Master the pathogen of measles, the clinical manifestations of typical measles, the complications of measles, the diagnosis and differential diagnosis of measles.
2. Know the epidemiology of measles, the treatment principles and prevention measure.
3. Know the pathogenesis of measles.

Chapter 6. Varicella
Teaching time: 2 hours
Objectives of the lesson:
1. Master the pathogen of varicella, the epidemiology of varicella infection, the clinical manifestations of chickenpox and zoster, the diagnosis and differential diagnosis of varicella, the complications associated with varicella infection in different populations.
2. Know the treatment principles and prevention measure.
3. Know the pathogenesis of varicella infection.

Chapter 7. Tuberculosis
Teaching time: 2 hours
Objectives of the lesson:
1. Master the pathogen of tuberculosis, the classification of tuberculosis, the clinical manifestations of pulmonary tuberculosis, the laboratory findings of tuberculosis, the diagnosis and differential diagnosis of pulmonary tuberculosis, the treatment principles of pulmonary tuberculosis.
2. Know first-line anti-tuberculosis drugs, the prevention measure of tuberculosis.
3. Know the history and epidemiology of tuberculosis, the pathogenesis of tuberculosis.

Chapter 8. Fungal pneumonia
Teaching time: 2 hours
Objectives of the lesson:
1. Know the features and the treatment of histoplasmosis.
2. Know the features and the treatment of coccidiomycosis.

Chapter 9. Central nervous system infection (bacterial, viral)
Teaching time: 2 hours
Objectives of the lesson:
1. Have an overall understanding of the primary infections that lead to bacterial meningitis.
2. Master the symptoms and signs that raise the possibility of meningitis.
3. Master the characteristics of the cerebrospinal fluid that are helpful in differentiating viral from bacterial meningitis.
4. Know the complications associated with bacterial meningitis.
5. Understand the therapeutic modality in treating bacterial meningitis.

Chapter 10. Central nervous system infection (fungus, tuberculosis)
Teaching time: 2 hours
Objectives of the lesson:
1. Master the characteristics of the cerebrospinal fluid in tuberculous meningitis.
2. Know the treatment of the tuberculous meningitis.
3. Master the characteristics of the cerebrospinal fluid in cryptococcal meningoencephalitis
4. Know the contagium of cryptococcal meningoencephalitis

Chapter 11. Malaria
Teaching time: 2 hours
Objectives of the lesson:
1. Know different forms of malaria and their differences
2. Master the diagnosis of malaria and the best period of time for diagnosis.
3. Know the treatment and chemoprophylaxis of malaria.

**Chapter 12. Schistomiasis**
Teaching time: 2 hours
Objectives of the lesson:
1. Know the clinical symptoms of schistosomiasis.
2. Understand the term “Katayama fever”.
3. Know the life cycle of Schistosoma.

**Chapter 13. Spirochetes**
Teaching time: 2 courses
Objectives of the lesson:
1. Know how Lyme Disease is contracted and what animal is responsible for spreading this infection.
2. Know the significance of erythema migrans and which skin lesion requires treatment.
3. Know whether patients with a positive Lyme Disease antibody titer and chronic fatigue should be treated with antibiotics.

**Chapter 14. Richettsia and brecellosis**
Teaching time: 2 courses
Objectives of the lesson:
1. Know the treatment of Rocky Mountain Spotted fever
2. Know the term *morulae*
3. Know what animal carries a high risk of developing Brucellosis.

**Chapter 15. Typhoid fever**
Teaching time: 2 courses
Objectives of the lesson:
1. Know the causative bacterial of typhoid fever and how the infection is contracted.
2. Know the diagnose criteria of typhoid fever.
3. Know the treatment and prevention of typhoid fever.

**Chapter 16. EB virus**
Teaching time: 2 courses
Objectives of the lesson:
1. Know who is likely to become ill with EB virus infection.
2. Know the presenting features and laboratory tests that are useful in making a diagnosis.
3. Know the treatment of EB virus infection.

**Chapter 17. HIV**
Teaching time: 2 hours
Objectives of the lesson:
1. Know the transmission pattern of HIV and mechanism of how the genital ulcers increase
the risk of HIV transmission.
2. Master the cellular type the HIV virus primarily infect.
3. Know the symptoms and signs of primary HIV infection.
4. Master the preferred test for diagnosis of HIV and the definition of AIDS.
5. Know the term “the window period”.
6. Know how to monitor HIV activity.
7. Master the lower threshold of CD4 count when the host begins to experience opportunistic infections.
8. Master the indications for initiating antiretroviral therapy.
9. Know the goals for therapy and the factors that increase the risk of developing resistance.

Chapter 18. Hantan virus and CMV
Teaching time: 2 hours
Objectives of the lesson:
1. Know the transmission of Hantan virus and cytomegalovirus.
2. Know the classical clinical symptoms and severe complication of Hantan virus infection.
3. Know the diagnosis of Hantan virus and cytomegalovirus infection.
4. Know the clinical manifestation of the cytomegalovirus infection.

Chapter 19. SARS and Influenza
Teaching time: 2 hours
Objectives of the lesson:
1. Master the causative pathogen of SARS and influenza
2. Know the susceptible population of SARS and influenza
3. Know the prevention of transmission of SARS and influenza
4. Know the treatment available for SARS and influenza