

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.
3. Know the treatment 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.
3. Know the complications associated with bacterial meningitis.
4. Understand the therapeutic modality in treating bacterial meningitis.

Chapt 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

Chapt 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.

Chapt 12. Schistosomiasis

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. Rickettsia and brucellosis

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