

# Lectures

## **Topic: CNS Infection**

### **Objectives:**

By the end of the lecture the student should be able to:

1. To be familiar with the most common CNS infections world-wide and in Saudi Arabia.
2. To understand the approach for meningitis treatment.
3. To be familiar with the different investigations for CNS infections.
4. To understand the prognosis and outcomes of the most common CNS infections.

### **Introduction:**

CNS infections encompass a wide variety of medical conditions that affect the brain, spinal cord, and the meninges. Students need to know the most common CNS infection world-wide as well as in Saudi Arabia. There are several investigations and treatments that required to be offered to patients with CNS patients in time-sensitive manner in order to achieve favorable outcome and medical students need to be fully aware of these treatments and investigations.

### **Key Outlines:**

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1. Meningitis (Viral, Bacterial, Fungal)
  2. Parenchymal infections
  3. Spinal epidural abscess

### **Take home message:**

There are different variety of CNS infections and medical students need to know the required investigations and treatments for different condition.

### **Recommended Books:**

CNS infection edition, CONTINUUM: Lifelong Learning in Neurology 24 (5):1264-1283, October 2018.