

Session 9 - Diseases of the Nervous System

Text:	Chapter 27
Anticipated time:	1-2 class periods
Basic Objectives:	Be able to discuss the basic structure and function of the nervous system, basic mechanisms of immunity, and normal flora of the system. For the important infectious diseases* it is important to know: Nature of the agent (e.g. bacterial, viral etc.), biology of the agent (e.g. reservoirs), mode of transmission, virulence factors, pathogenesis of disease (e.g. mechanism of tissue damage), susceptible cells and tissues, treatment or prevention, and other unique aspects of the specific disease.
Slides to Copy:	4, 6, 8, 10, 13, 15, 16, 18, 20, 22, 24, 25

Chapter 27 – Nervous System Infections

Introduction	<i>Read</i>
27.1 Anatomy and Physiology	
Introduction	<i>Review</i> , including Figs 27.1 & 27.2.
Pathways to the CNS	<i>Read</i> .
27.2 Bacterial Nervous System Infections	
Introduction	<i>Read carefully</i> . Understand diversity of bacteria that can infect meninges and brain.
Meningococcal*...	<i>Read carefully</i> , and <i>Read</i> Tab 27.1 and <i>Review</i> Tab 27.3.
Case Presentation	<i>Read</i> .
Listeriosis	<i>Read</i> , and <i>Review</i> Tab 27.2.
Hansens Disease	<i>Read</i> , and <i>Review</i> Tab 27.4.
Botulism*	<i>Read carefully</i> . <i>Read</i> Tab 27.5 and understand action of the neuroexotoxin.
Tetanus*	<i>Read carefully</i> , including Fig 24.9 and Tab 24.3. Pages 566-568.
27.3 Viral Diseases of the Nervous System	
Introduction	<i>Read</i> .
Viral Meningitis*	<i>Read carefully</i> , including Tab 27.6.
Viral Encephalitis*	<i>Read carefully</i> , including Tab 27.7.
Polio*	<i>Read carefully</i> . <i>Read</i> Tab 27.8.
Rabies*	<i>Read carefully</i> . <i>Read</i> Tab 27.9 and understand pathogenesis.
Perspective 27.1	<i>Review</i>
27.4 Fungal Diseases of the Nervous System	
Introduction	<i>Read</i> .
Cryptococcal...	<i>Read</i> , and <i>Review</i> Tab 27.10.
27.5 Protozoan Diseases of the Nervous System	
Introduction	<i>Read</i> .
African Sleeping...	<i>Read</i> . <i>Review</i> Tab 27.11.
27.6 Transmissible Spongiform Encephalitis	
Introduction	<i>Read</i> .
Transmissible*...	<i>Read carefully</i> , including Tab 27.12.
Future Challenges	<i>Read</i> .