

Session 12 - Diseases of the Skin and Eyes; and Wounds and Bites

Text: Chapter 23, 24
 Anticipated time: 2 class periods
 Basic Objectives: Be able to discuss the basic structure and function of skin and eyes, mechanisms of immunity, and normal flora. For important diseases* it is wise to know: Biology of the agent, transmission, virulence factors, pathogenesis, susceptible tissues, treatment or prevention, and other unique aspects of the specific disease.
 Slides to Copy: 4, 6, 7, 8, 9, 16, 17, 20, 21, 23, 25, 29

Chapter 23 – Skin Infections

Introduction *Read*

23.1 Anatomy and Physiology *Review for perspective, including Fig 23.1.*

23.2 Normal Microbiota
 Introduction *Read, including Tab 23.1.*
 Diphtheroids *Review.*
 Staphylococci *Review.*
 Fungi *Review.*

23.3 Bacterial Skin Diseases
 Introduction *Read.*
 Hair Follicle Infections *Read carefully, but do not differentiate the pathological lesions. Read Fig 23.3. Review Tab 23.3. Relate staph skin infections to endocarditis, food poisoning & TSS*
 Scalded Skin** *Read carefully, and Read Tab 23.4.*
 Impetigo** *Read carefully, and Read Tabs 23.5 & 23.6.*
 Rocky Mountain *Read. Review Tab 23.7.*
 Lyme Disease* *Read, including Fig 23.15 & Tab 23.8.*

23.4 Skin Diseases Caused by Viruses
 Introduction *Read.*
 Chickenpox** *Read carefully, including Tab 23.9.*
 Measles** *Read carefully, including Tab 23.10.*
 Case Presentation *Read.*
 German Measles* *Read carefully, including Tab 23.11. Review Fig 23.23.*
 Other Viral Rashes *Read.*
 Warts *Read.*

Perspective 23.1 *Read*

23.5 Skin Diseases Caused by Fungi
 Introduction *Read.*
 Superficial* *Read.*

Future Challenges *Read.*

Ocular Infections

There is no specific location in this text for ocular infections. We will cover infectious diseases of the eye as follows:

<u>Agent or Disease</u>	<u>Read Pages</u>
Conjunctivitis	504-506
<i>Chlamydia trachomatis</i> *	631-633
<i>N. gonorrhoeae</i> *	629-631
Herpes simplex virus	592-593
Cytomegalovirus*	715-717
Miscellaneous	-----

Chapter 24 - Wound Infections

Introduction	<i>Read</i>
24.1 Anatomy and Physiology	
Introduction	<i>Read. Read Fig 24.1.</i>
Wound Abscesses*	<i>Read.</i>
Anaerobic Wounds*	<i>Read</i>
24.2 Common Bacterial Wound Infections	
Introduction	<i>Read, including Tab 24.1.</i>
Staphylococcal*	<i>Read carefully.</i>
Group A Strep*	<i>Read carefully.</i>
Pseudomonas*	<i>Read carefully.</i>
24.3 Diseases Due to Anaerobic Bacterial Wound Infections	
Introduction	<i>Read.</i>
Tetanus*	<i>Read, including Tabs 24.2, 24.3 & Fig 24.9.</i>
Gas Gangrene*	<i>Read, including Tab 24.4.</i>
Lumpy Jaw	<i>Skip</i>
24.4 Bacterial Bite Wounds	<i>Summarize if time permits.</i>
Introduction	<i>Read.</i>
Pasteurella	<i>Review.</i>
Cat Scratch	<i>Review.</i>
Case Presentation	<i>Review.</i>
Rat Bite	<i>Review</i>
Perspective 24.1	<i>Read.</i>
24.5 Fungal Wound Infections	
Introduction	<i>Review</i>
Sporotrichosis	<i>Summarize.</i>
Future Challenges	<i>Read.</i>