

## WEEK 1

# INNATE IMMUNITY AND INFLAMMATION

### Objectives:

1. Understand innate immunity and how it works to protect the body.
2. Describe the inflammatory response.
3. Explain the complement system.

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### Vocabulary:

· Adaptive immunity	· Exudate	· Lysozyme
· Agranulocyte	· Granulocyte	· Microglial cell
· Anaphylatoxin	· Histamine	· Mucociliary escalator system
· Arachidonic acid	· Five cardinal signs	· Natural killer (NK) cell
· Bacteriocin	· IgA	· Normal flora
· Candida albicans	· IL1	· NSAIDs
· Clostridium difficile	· Innate immunity	· Opsonin
· Complement system (3 pathways)	· Kupffer cell	· PAMP
· COX enzyme	· Lactobacillus acidophilus	· Phospholipase A2
· Cytokines	· Langerhans cell	· Prostaglandin
· DAMP	· Leukocyte adhesion deficiency (LAD)	· Pseudomonas aeruginosa
· Defensins	· Leukotrienes	· TNF-alpha
· Dust cells		

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Innate Immunity

The First Line of Defense
The Second Line of Defense – Inflammation and Complement System
Characteristics of Inflammation
The Inflammatory Response
Drugs for Inflammation and Dietary Contributions
The Complement System



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