

- d. Self-Defense Mechanisms
 - Lines of defense
 - Characteristics of the immune response
 - Introduction of the immune response
 - Humoral immune response
 - Cellular interactions in the immune response
 - Fetal and neonatal immune function
 - Aging and the immune response in elderly

- e. Inflammation
 - The acute inflammatory response
 - Mast cells
 - Plasma protein systems
 - Cellular components of inflammation
 - Cellular products
 - Systemic responses of acute inflammation
 - Chronic inflammation responses
 - Local inflammation responses
 - Phases of resolution and repair
 - Aging and self-defense mechanisms

- f. Stress and Disease
 - Concepts of stress
 - Stress responses
 - Stress, coping, and illness interrelationships

- g. Pathophysiology of the Body Systems
 - Respiratory system
 - Cardiovascular system
 - Digestive system
 - Urinary system
 - Neurological system
 - Endocrine system
 - Musculoskeletal system
 - Integumentary system
 - Reproductive system

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