Learning Objectives

MedBridge
Physiology of Wound Healing
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Course Objectives

- Identify the phases of wound healing
- Describe the physiological function of the inflammatory response, proliferation, and remodeling.
- Detail the vascular and cellular events involved in the acute phase of the inflammatory response, including changes in blood flow and vessel permeability, the role/function of inflammatory chemicals and leukocytes, margination, diapedesis, extravasation, chemotaxis, and phagocytosis.
- List the events that occur during proliferation and remodeling and explain how they are related to inflammation.
- Compare and contrast acute and chronic wound healing.

Chapter 1: The Phases of Wound Healing: Inflammation

- List the three phases of wound healing
- Detail events that occur during the inflammatory phase
- Identify the primary cells involved in the inflammatory phase of wound healing

Chapter 2: The Phases of Wound Healing: Proliferation and Remodeling

- Identify where proliferation fits into the wound healing process
- List the important cells involved in granulation and epithelialization
- Describe the process of wound contraction
- Compare and contrast immature and mature scar tissue

Chapter 3: Wound Healing in Chronic Wounds

- Cite factors that can delay wound healing
- Compare and contrast normal and chronic wound healing
- Describe ways to prevent a wound from becoming chronicly inflamed, proliferating, or remodeling.