HEALING/ REPAIR

Reading Assignment: Robins Basic Pathology (Kumar, Abbas, Aster) 10th Edition, Chapter 3, pp. 87-96.

KEY CONCEPTS AND LEARNING OBJECTIVES:

- Define the following terms:
  
  Repair               Neovascularization  
  Regeneration         Granulation tissue  
  Fibrosis             Organization     
  Scar                 Keloid           
  Angiogenesis         Contraction      
  Extracellular matrix Stem cell    
  Parenchyma           Matrix malloproteinase

- Explain the concept of repair and its relationship to inflammation.

- Describe the processes by which an organ damaged by disease or traumatic injury repairs itself. Compare and contrast the reparative processes of regeneration and replacement by connective tissue.

- List the most common growth factors involved in wound healing

- List and explain the specific events of healing in the following model: a laceration of skin which destroys parenchymal cells and connective tissue.

- Explain the role of collagen and tensile strength in wound healing.

- Identify the factors which influence wound healing. Explain (correlate) how a factor or factors affect healing in different clinical situations.

- Describe common complications of wound healing.