

Lecture 19

Thursday, July 15, 2021 21:59

The Role of Inflammation in Tissue Healing

- Started the lecture with Indestructible by Disturbed
- Injury, blood vessels, swelling, inflammation, cleansing, repairing, etc.
- Pain mainly caused by depolarizing of nociceptors
- Fibroblasts adhere to fibrin but require the presence of fibronectin
 - o Cross-linked provisional matrix is where they adhere and begin remodeling the ECM (synthesizing collagen and fibronectin)
- Fibroblasts: can work well for us but can also act out of the ordinary
- Myositis ossificans - inappropriate differentiation/behavior of fibroblasts; start laying bone matrix in the muscle
 - o *Can* happen
- Do not want to skip stages of healing -- will trigger incorrect response to healing
- 4 big players (in sequence)
 - o Platelets
 - o Neutrophils
 - o Macrophages
 - o fibroblasts