Bone and Bone Cancer Pain

Mrs. Boggs
Bone

Function:
• Structure
• Organ support
• Mineral storage
Bone Cells

Osteoclast

Osteoblast

Osteocyte
Bone Fracture Healing

1. After a fracture, osteoclasts come and clean-up the fracture site.

2. Osteoblasts then come in and deposit new bone.

3. Some osteoblasts get stuck in the newly formed bone, and become osteocytes.

http://depts.washington.edu/bonebio/bonAbout/remod/remod.html
Bone Cancer
Bone Cancer Pain and Treatment

• Bone contains a lot of nerves that sense pain
• Bone pain is not effectively treated

• My Research:
  • How do we feel pain from tumors in bone?

Adapted from Marieb and Mallet Human Anatomy, 1994