



Cartilage and Bone

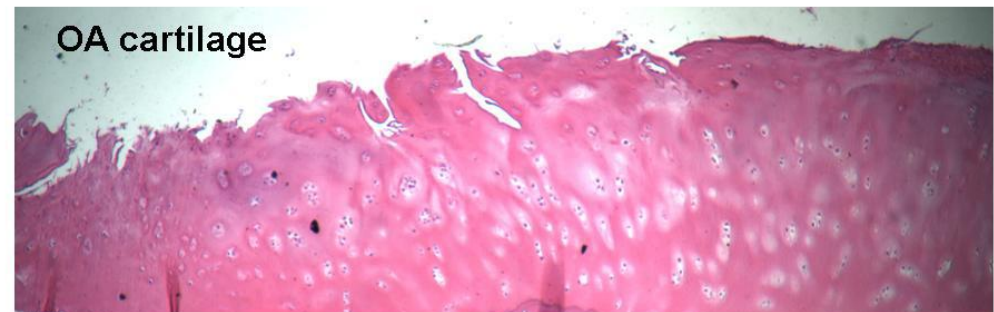
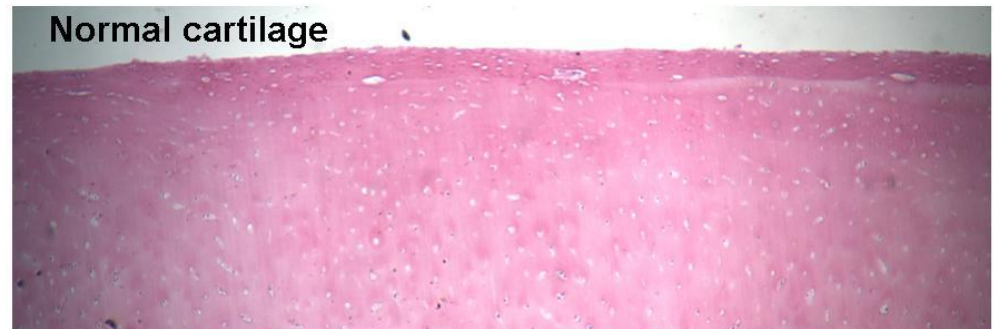
Osteoarthritis

- Thinning of cartilage covering bone
- Bone-to-bone contact
- Result of wear and tear- not true disease
- Affects about 27 million Americans
- Sx: joint pain, stiffness, locking
- Rx: Therapy, pain meds, Surgery for synthetic joint
- Prevention: Physical activity, nutritious diet, healthy weight

Osteoarthritis



Histology of Human Normal and Osteoarthritic Cartilage

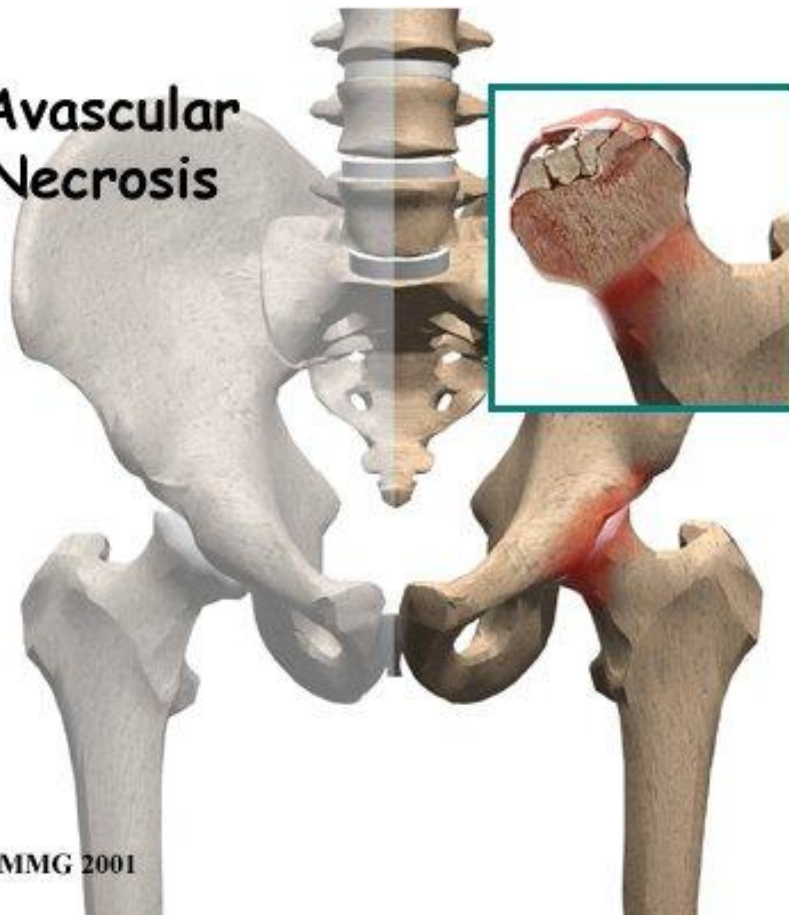


Avascular Necrosis

- Cell death of bone due to lack of blood supply
- Bone NEEDS a blood supply to live
- Causes: trauma, steroid use, hypertension, thrombosis, alcoholism, etc.
- Primarily hip in men 30-60
- Rx: drugs, therapy, surgery (graft, replacement)
- Luckily our bones will repair themselves after blood supply is restored

Avascular necrosis

**Avascular
Necrosis**



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