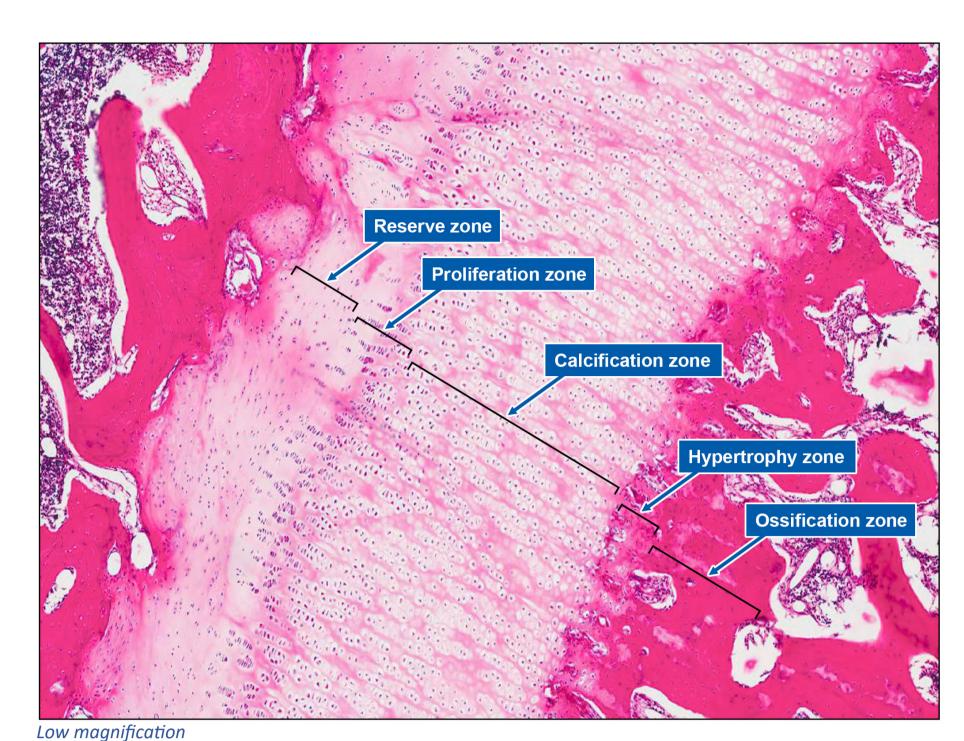
KNEE JOINT, MONKEY H&E

Musculoskeletal System

Diaphysis as the shaft of the bone possess an underlying network of **trabeculae** which protects the bone marrow.



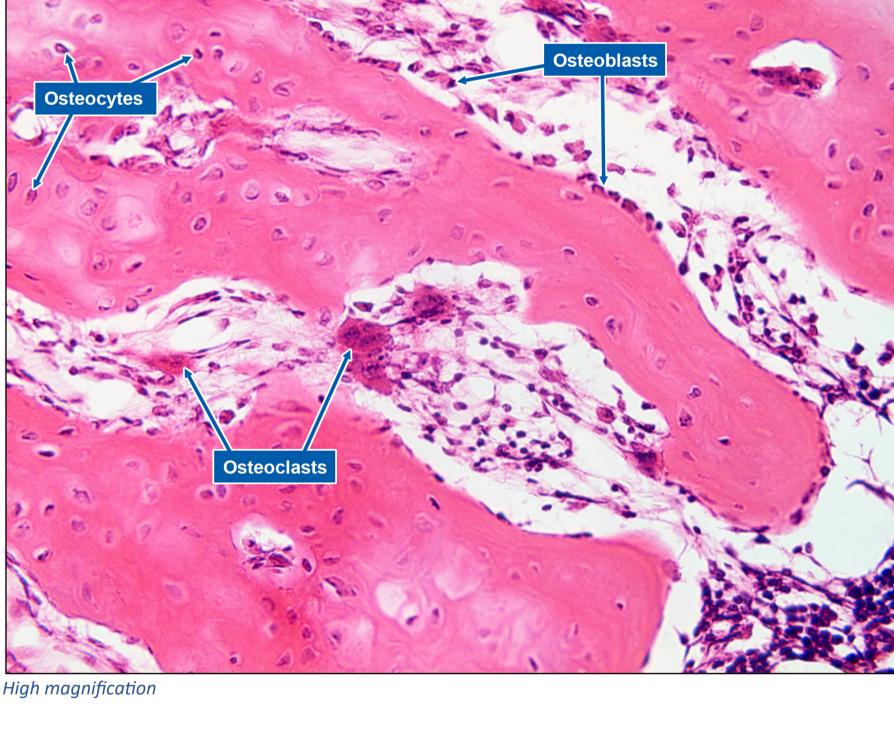
Secondary center of ossification

Diaphysis

Epiphysis

Epiphyseal plate

High magnification



- between the shaft and the epiphysis.

 2. New bone development occurs through

1. Epiphyseal growth plate lies in the interface

- endochondral ossification.

 3. Reserve zone refers to the bed of resting
- cartilage.

 4. Proliferation zone shows hyaline cartilage
- undergoing intensive interstitial growth.

 5. This is followed by hypertrophy zone with
- 6. Calcification zone refers to when chondrocytes synthesize and release alkaline phosphatase into matrix causing

Text edited by Dr. Satish R.L.

Image text edited by Pan F.

enlarged lacunae.