

Chondrogenic and desmogenic ossification (practicum) (1st Faculty of Medicine UK)

In the practical exercise, the following preparations are microscoped:

A12 - Chondrogenic ossification

A14 - Desmogenic ossification

A12 - Chondrogenic ossification

- periost
- bony cuff formed by desmogenous ossification
- unchanged hyaline cartilagegrowing cartilage
- hypertrophic cartilage
- hypertrophic calcified cartilage
- vascular loops
- directional beams (calcified cartilage in the center, osteoblasts and osteoid on the surface)
- osteocytes in the bone matrix
- osteoclast

A14 - Desmogenous ossification

- thickened mesenchyme (future periosteum)
- bony beam
- on the surface of the beam - osteoblasts and osteoid
- osteocyte in the lacuna
- bone matrix
- osteoclast in Howship's lacuna
- a vessel in the mesenchyme