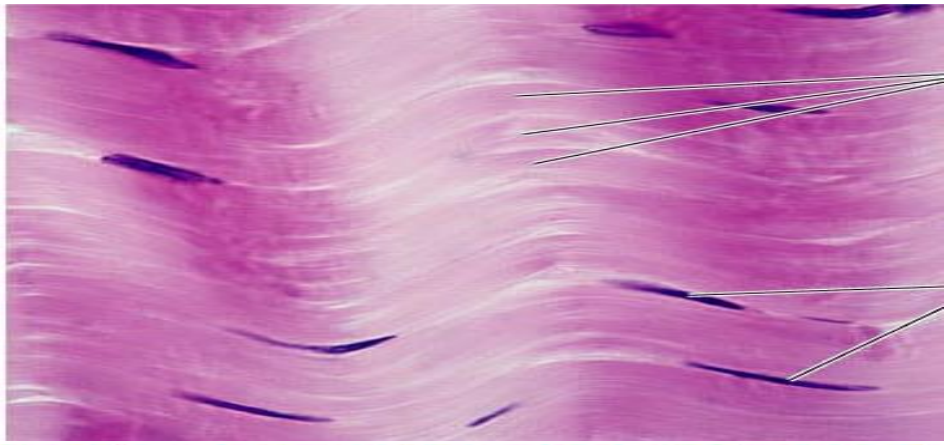
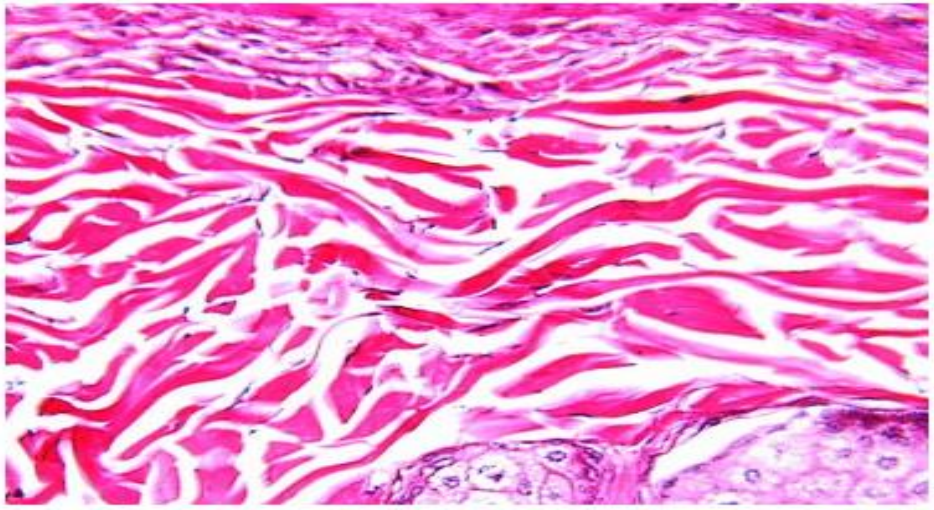
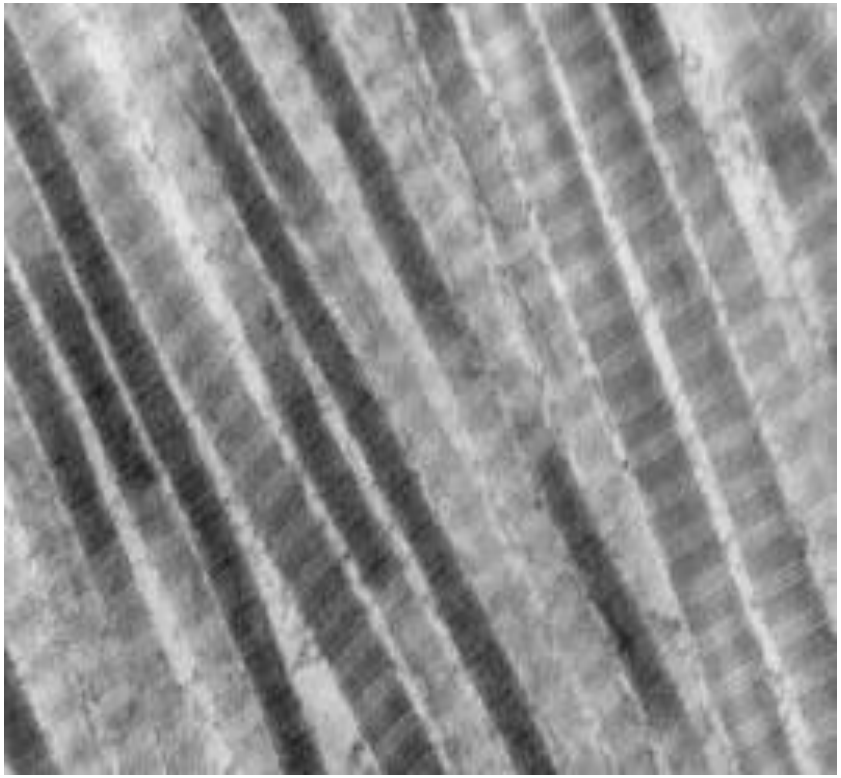
Collagen fiber

Collagen fiber H&E

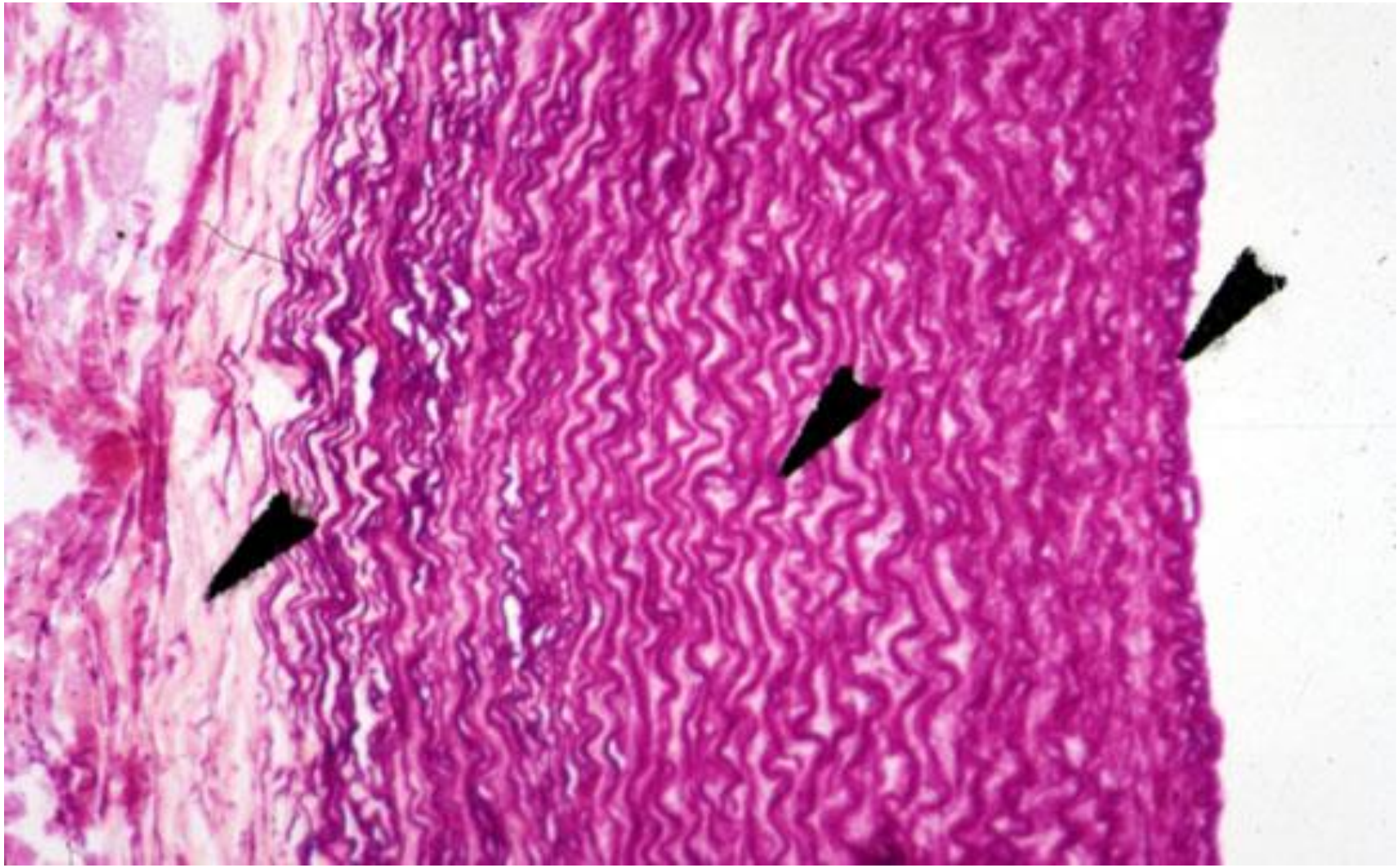




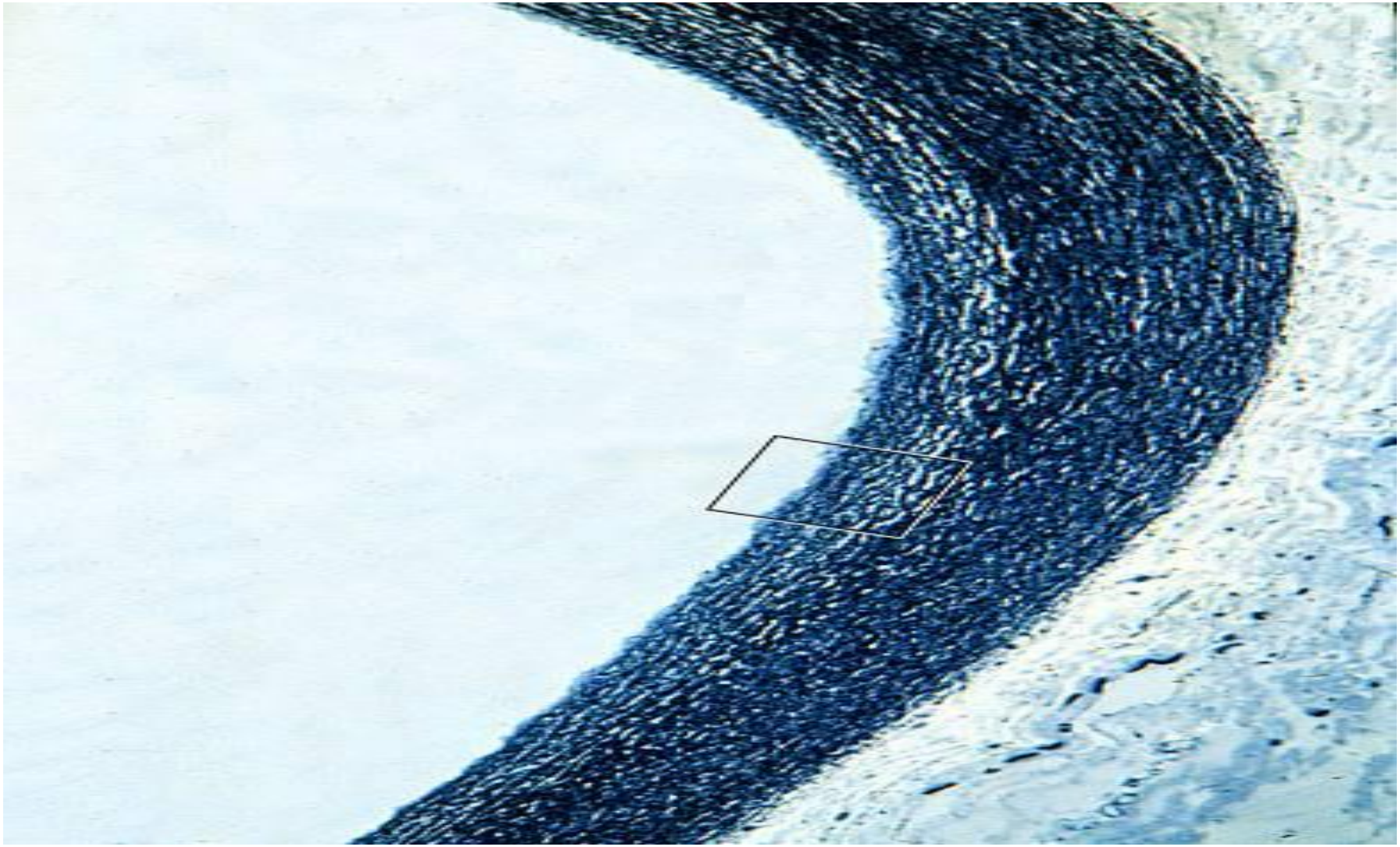
EM of Collagen fiber



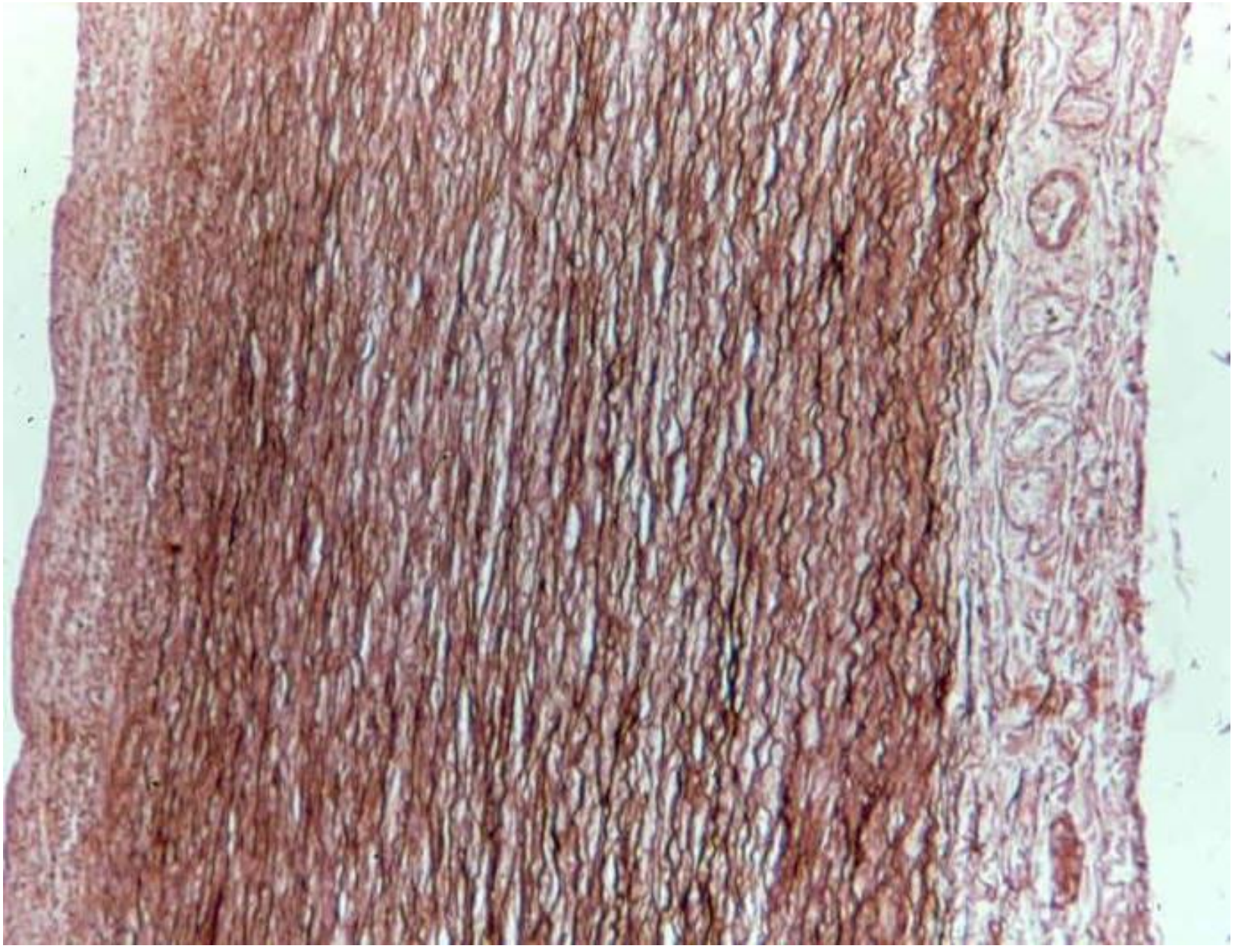
Elastic CT (H&E)



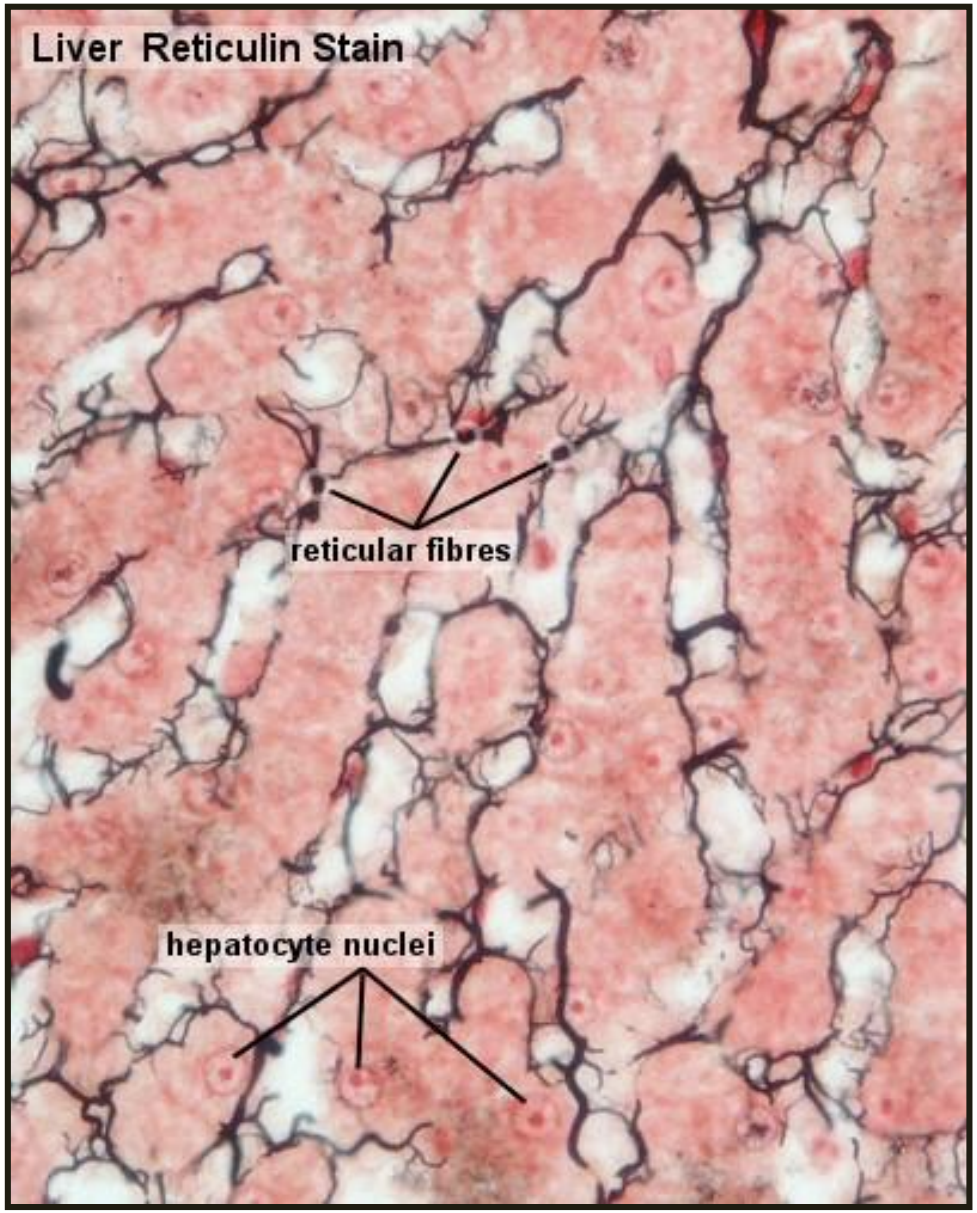
Elastic CT VVG

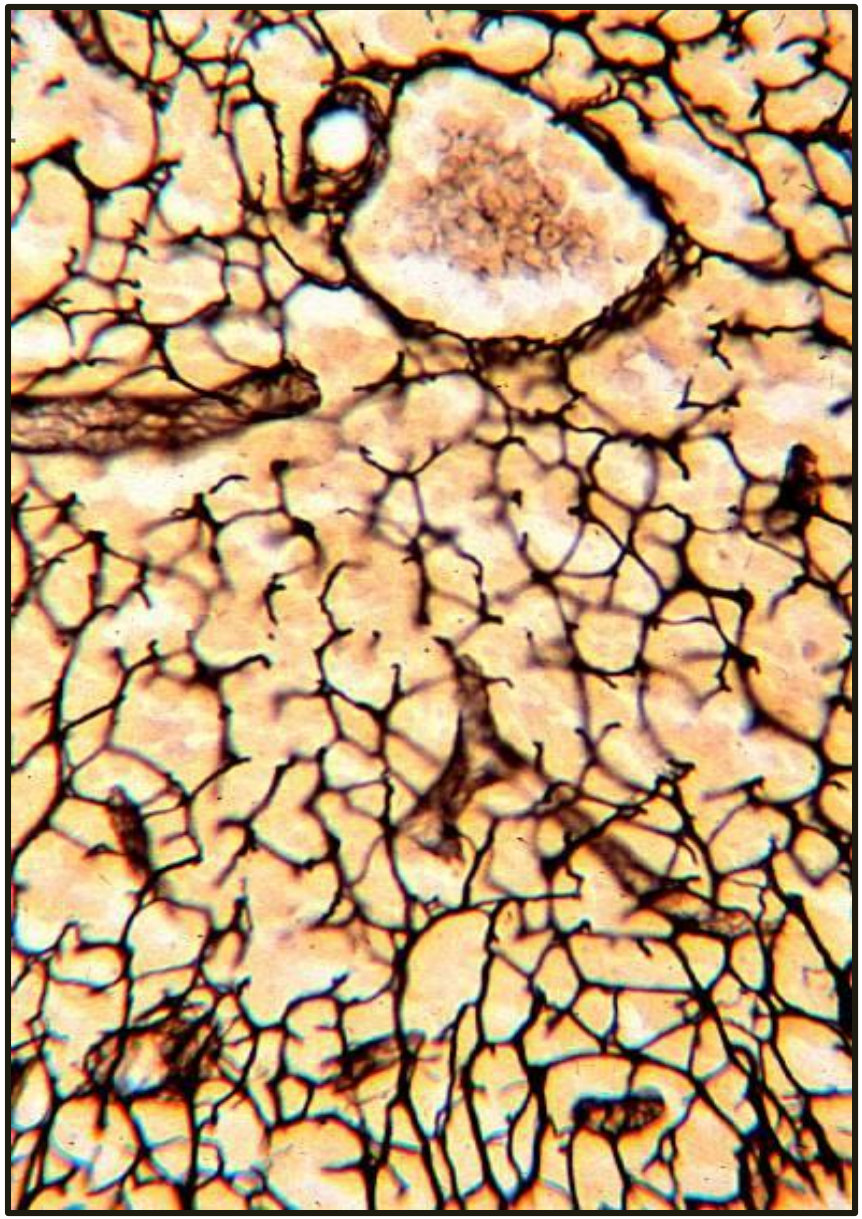


Elastic C.T. (orcein stain)

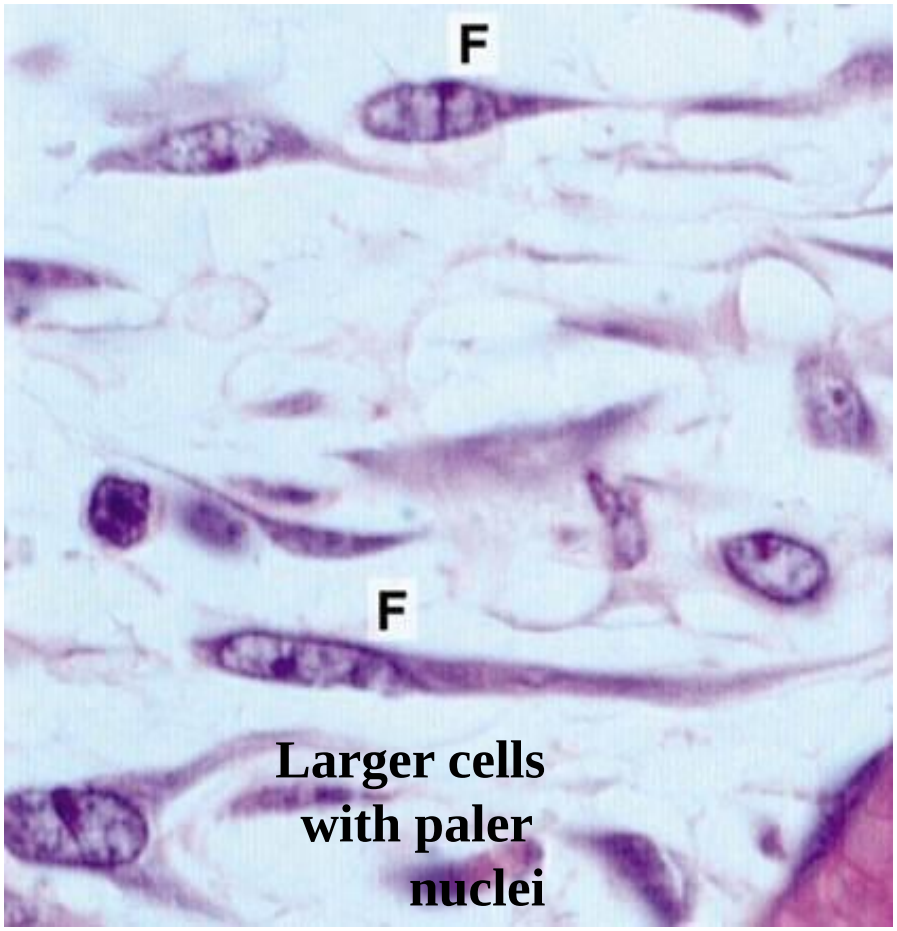


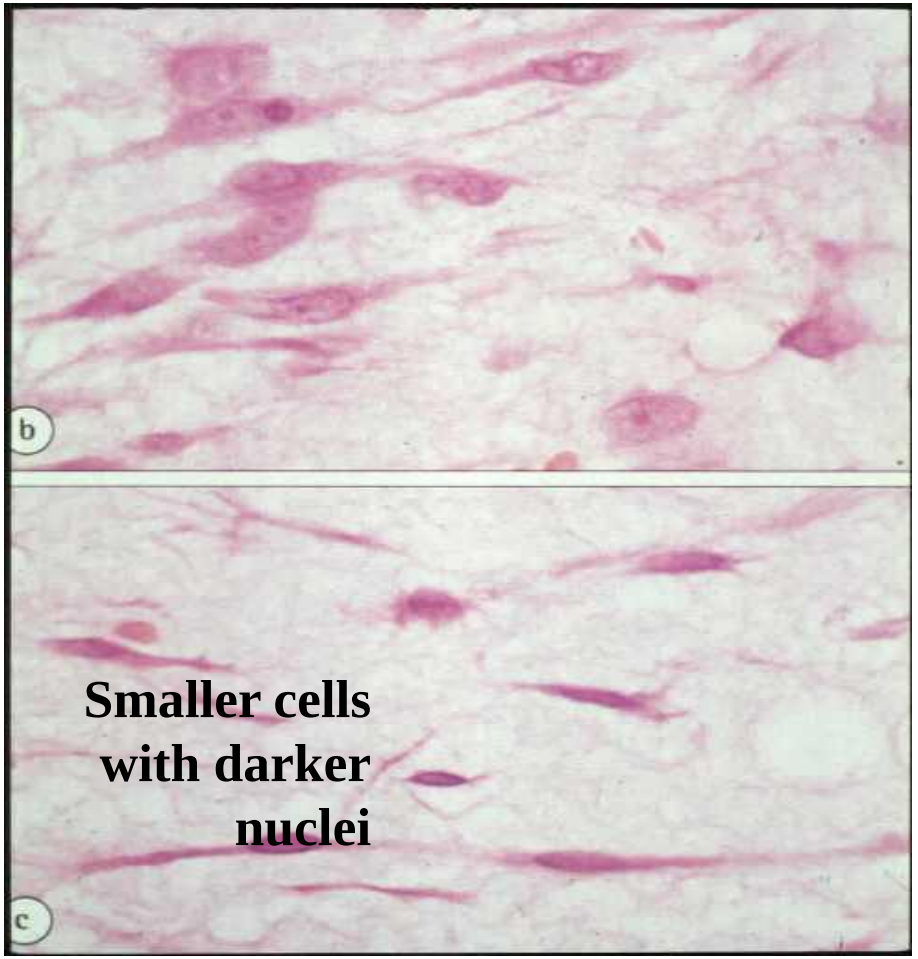
Reticular CT



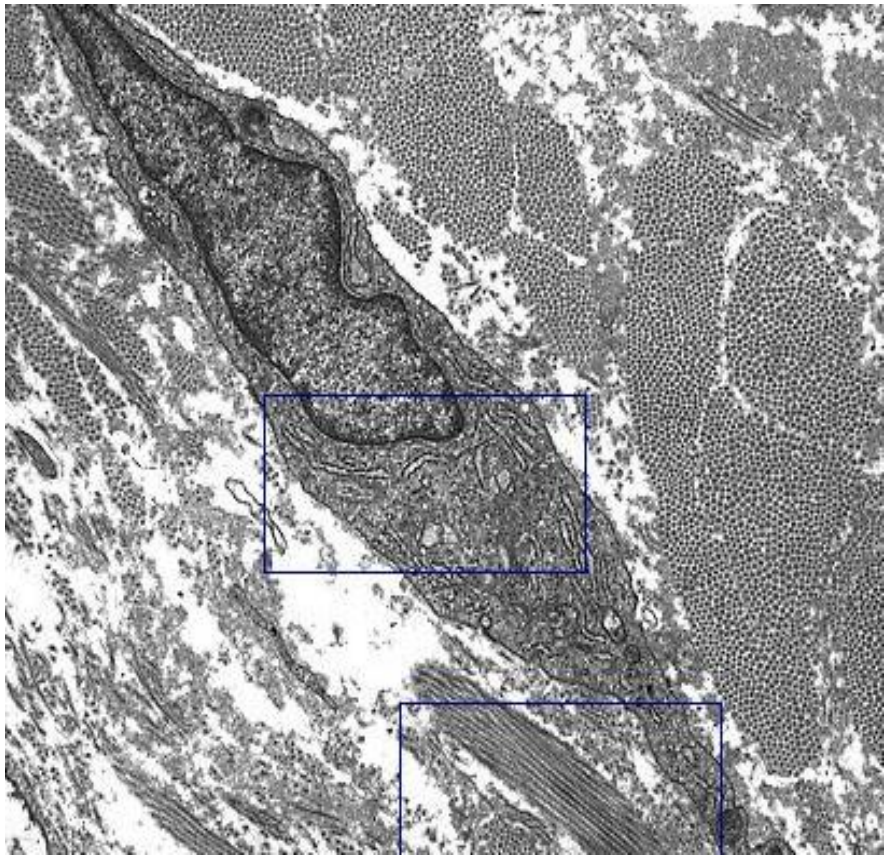


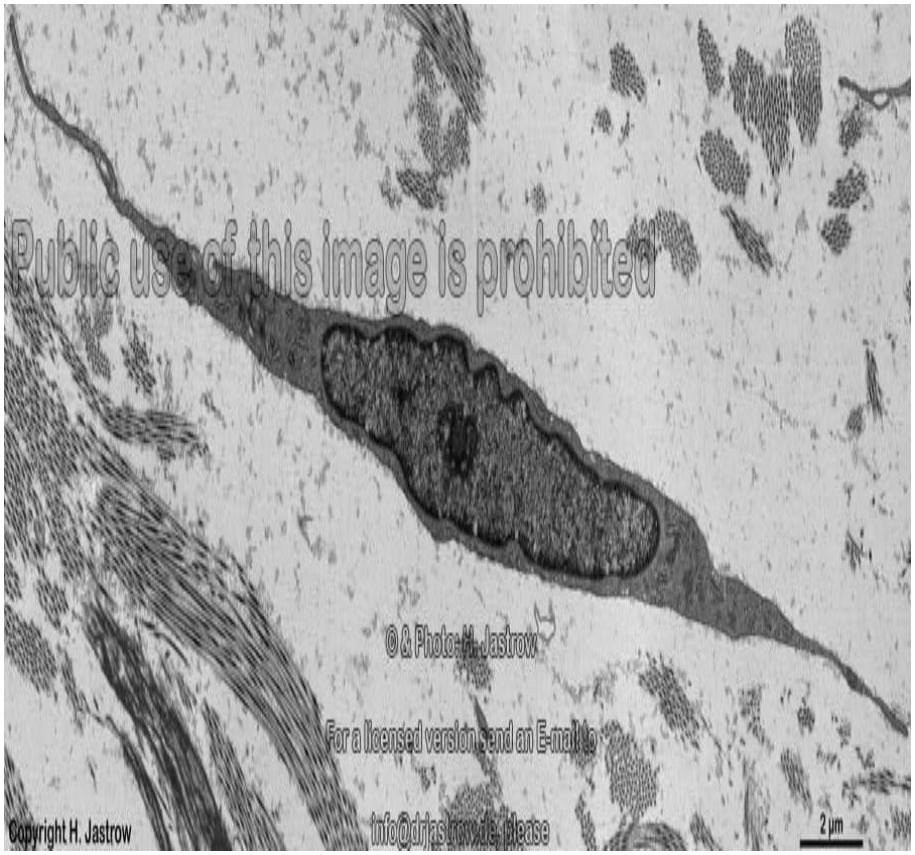
Fibroblast & Fibrocyte



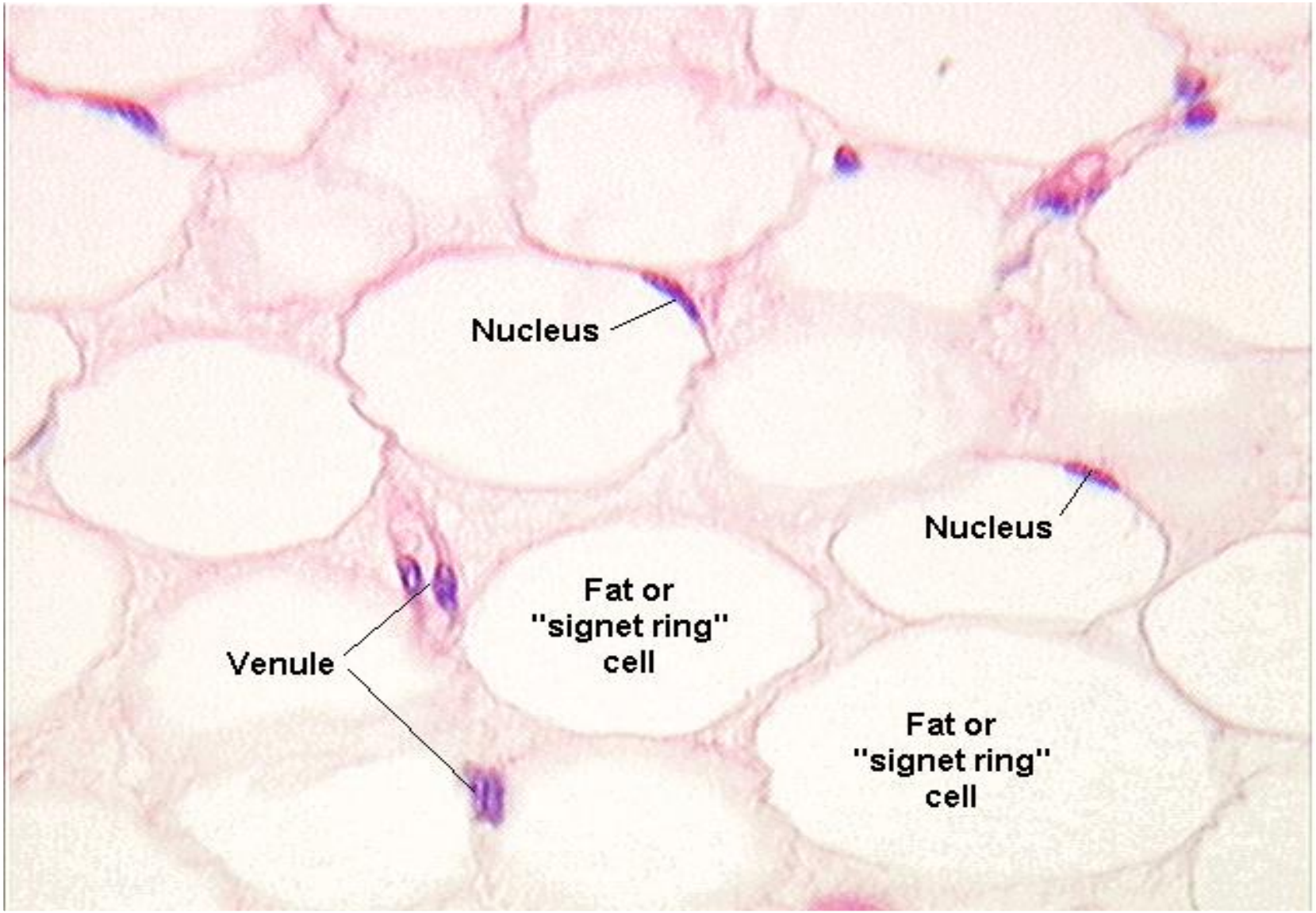


EM: Fibroblast& Fibrocyte

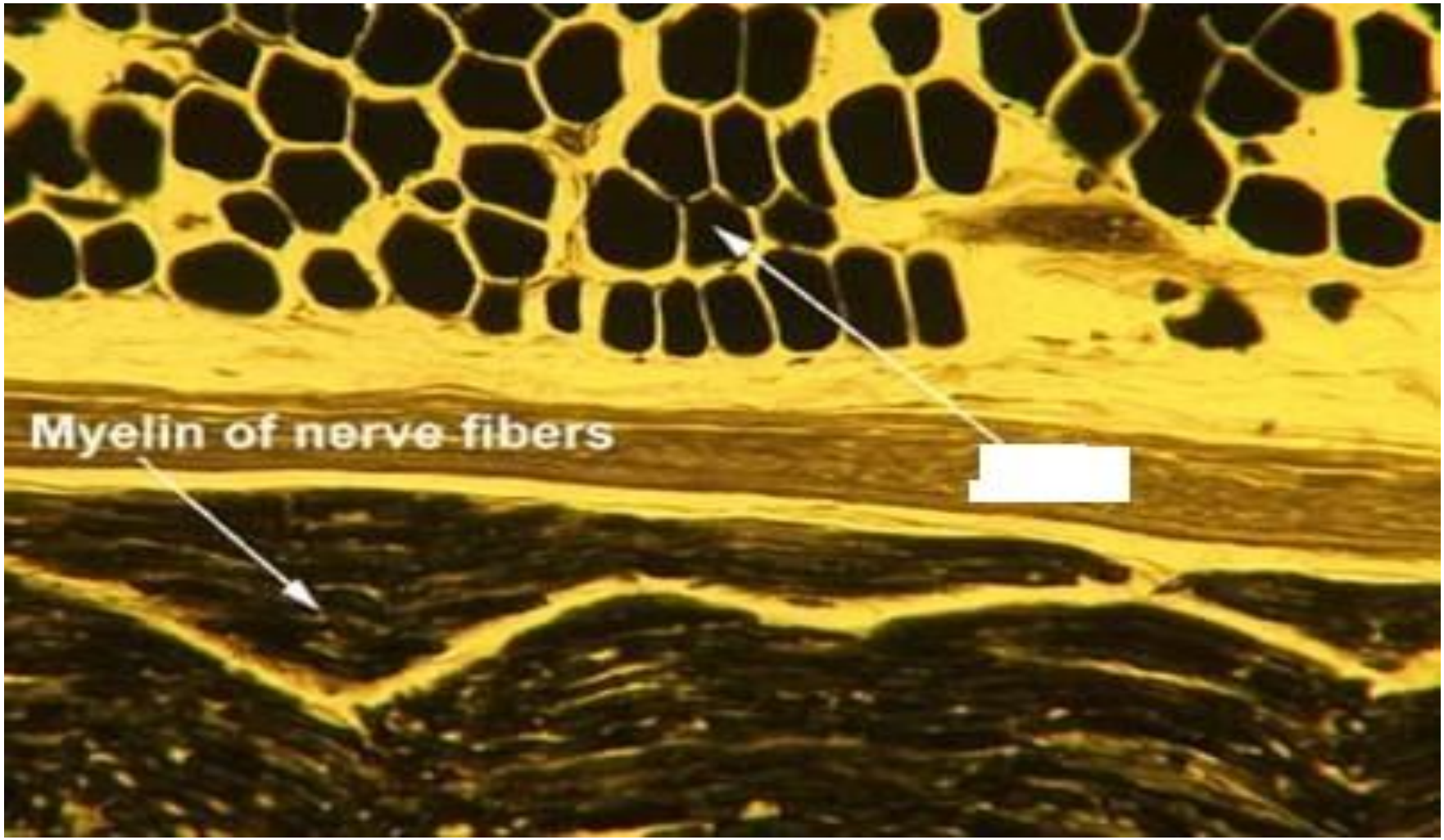




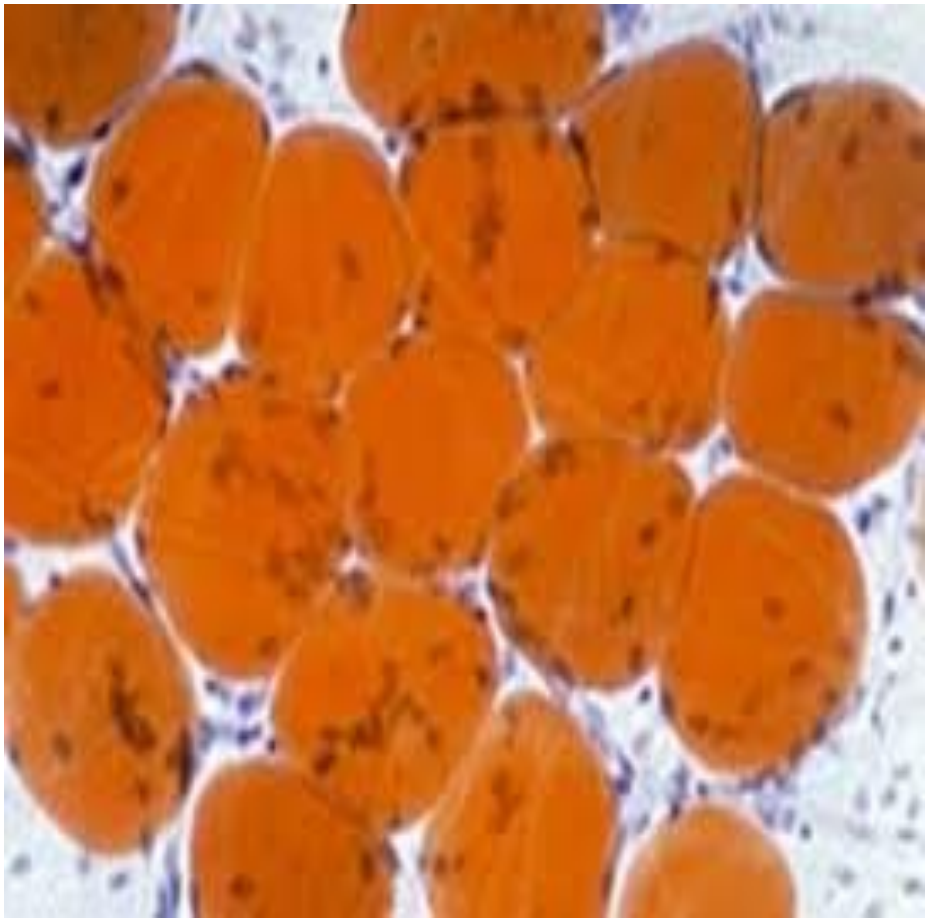
Unilocular Adipose Tissue

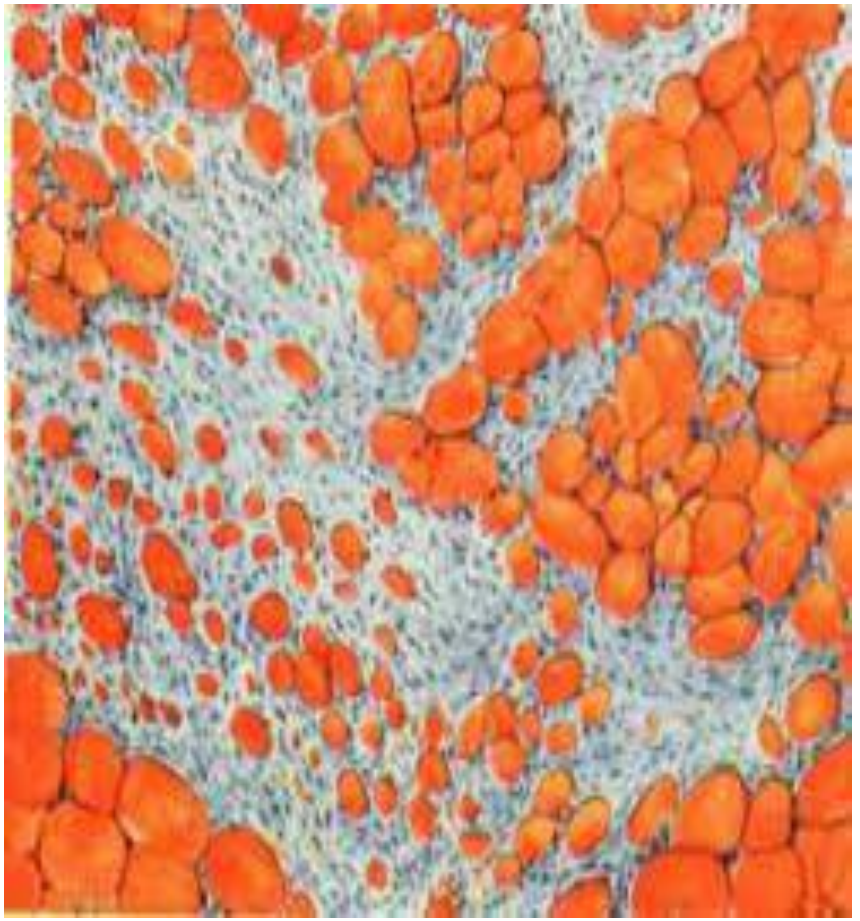


Fat cell (osmic acid)



Fat cell (Sudan III)





EM: Fat cell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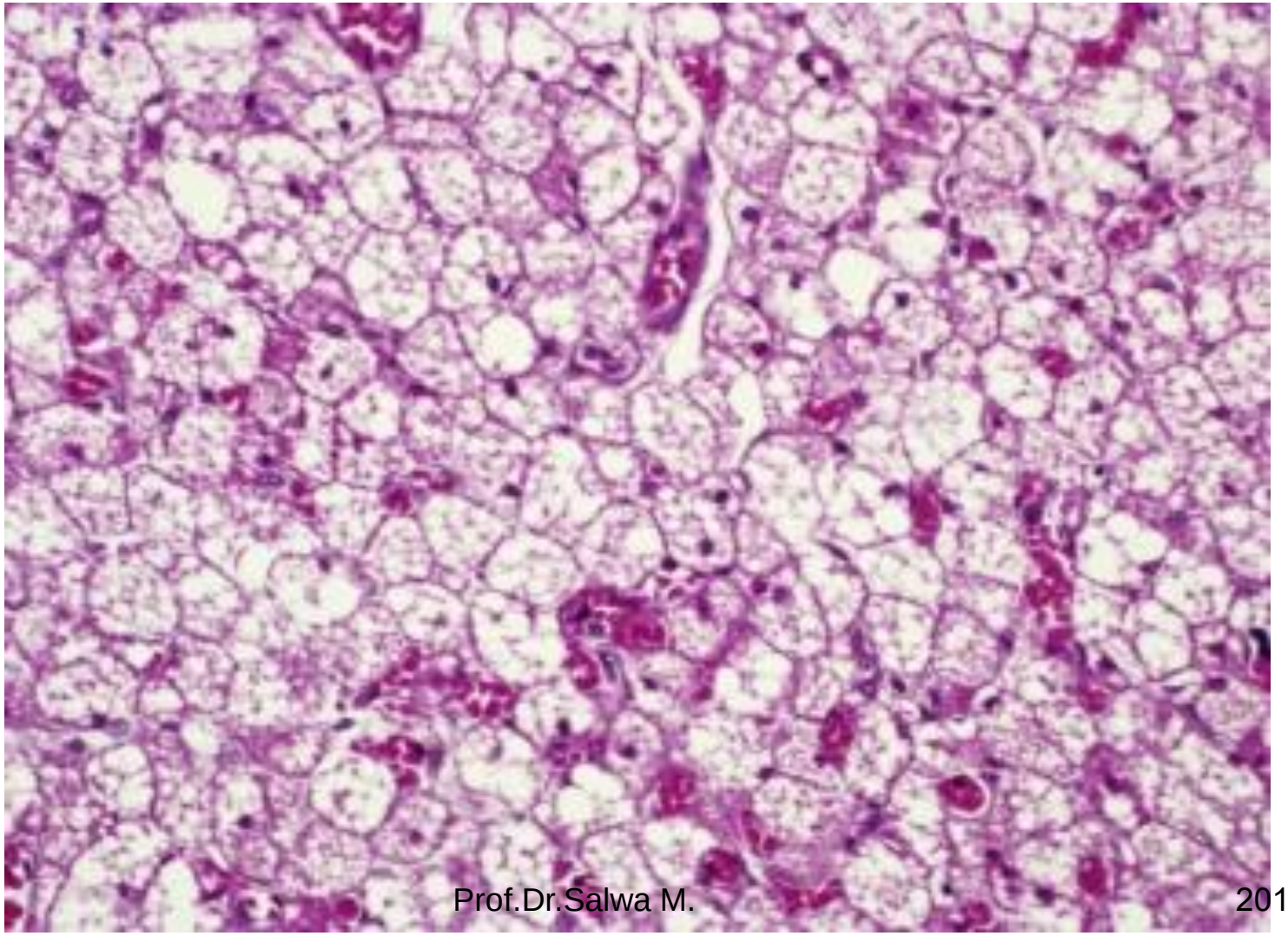
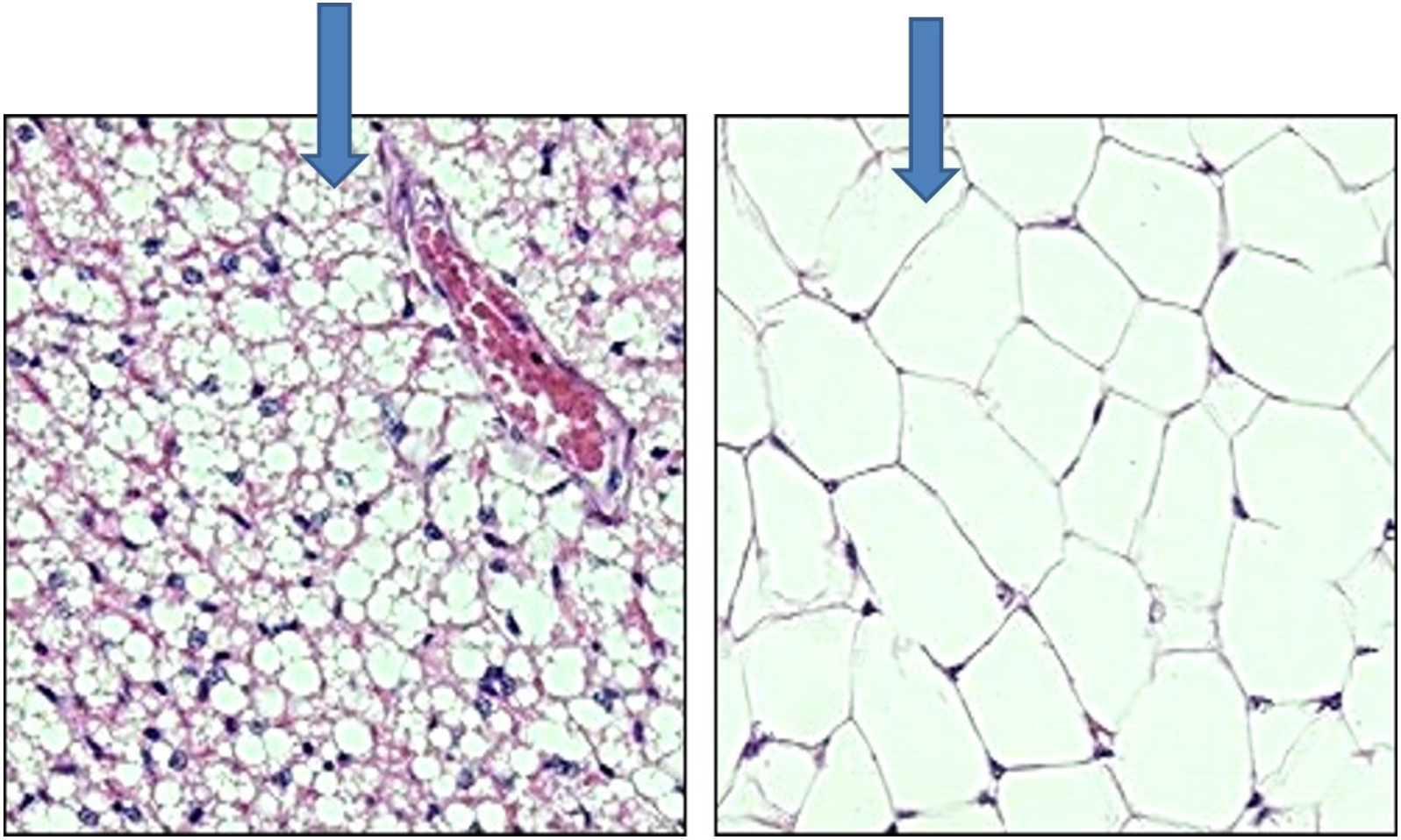
1 µm

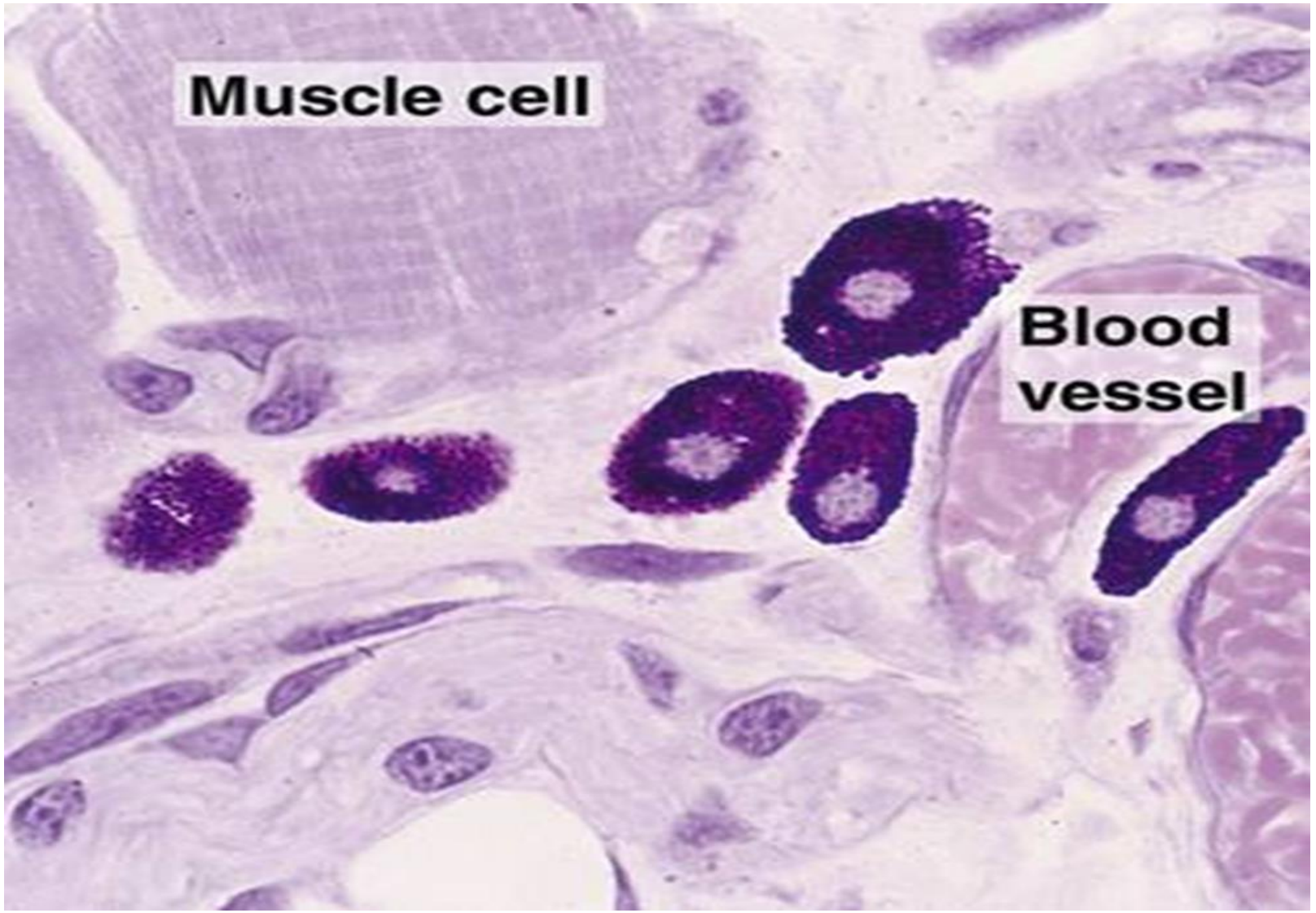
Multilocular Adipose Tissue (H&E stain)



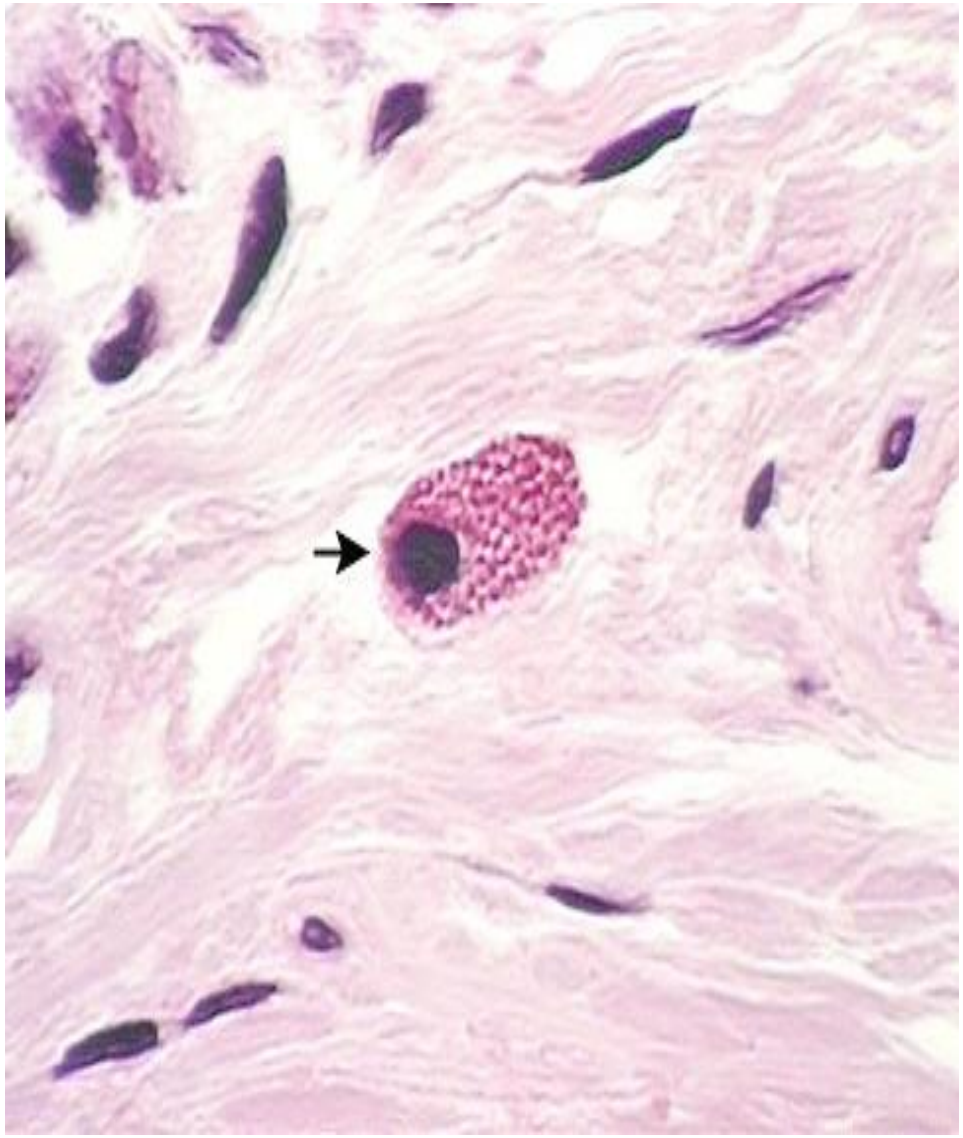
AdiposeTissue
(multilocular & unilocular) H&E stain

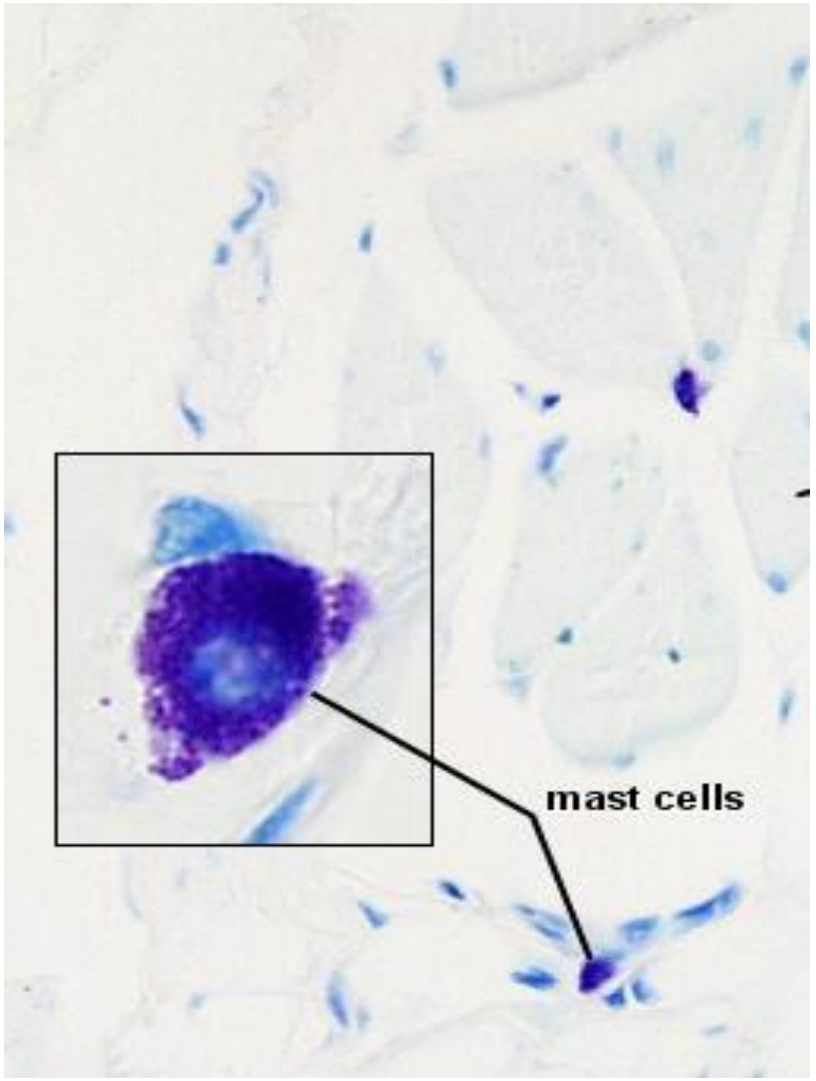


Mast Cell (H&E)

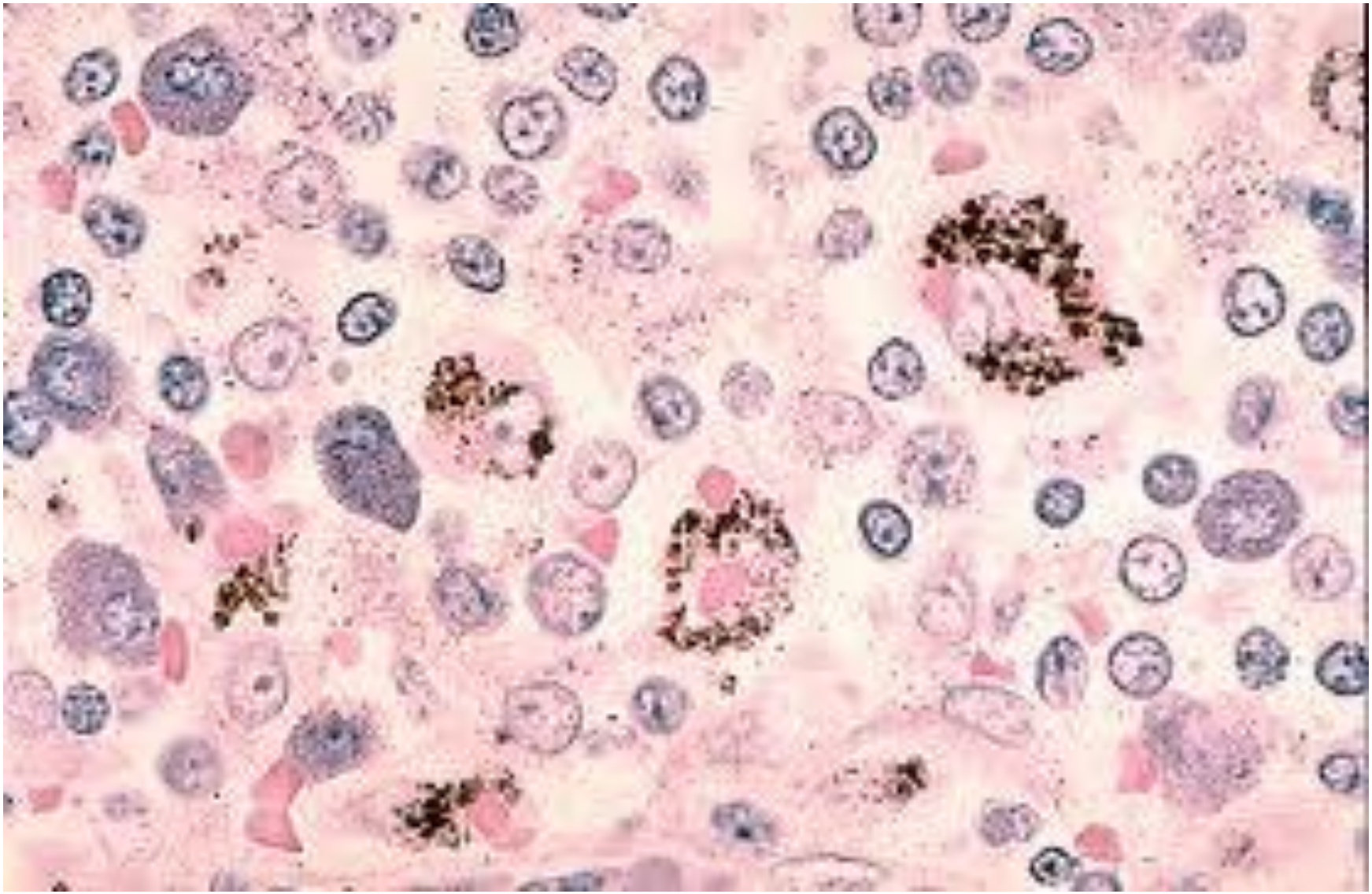


Mast Cells (Touldine Blue)

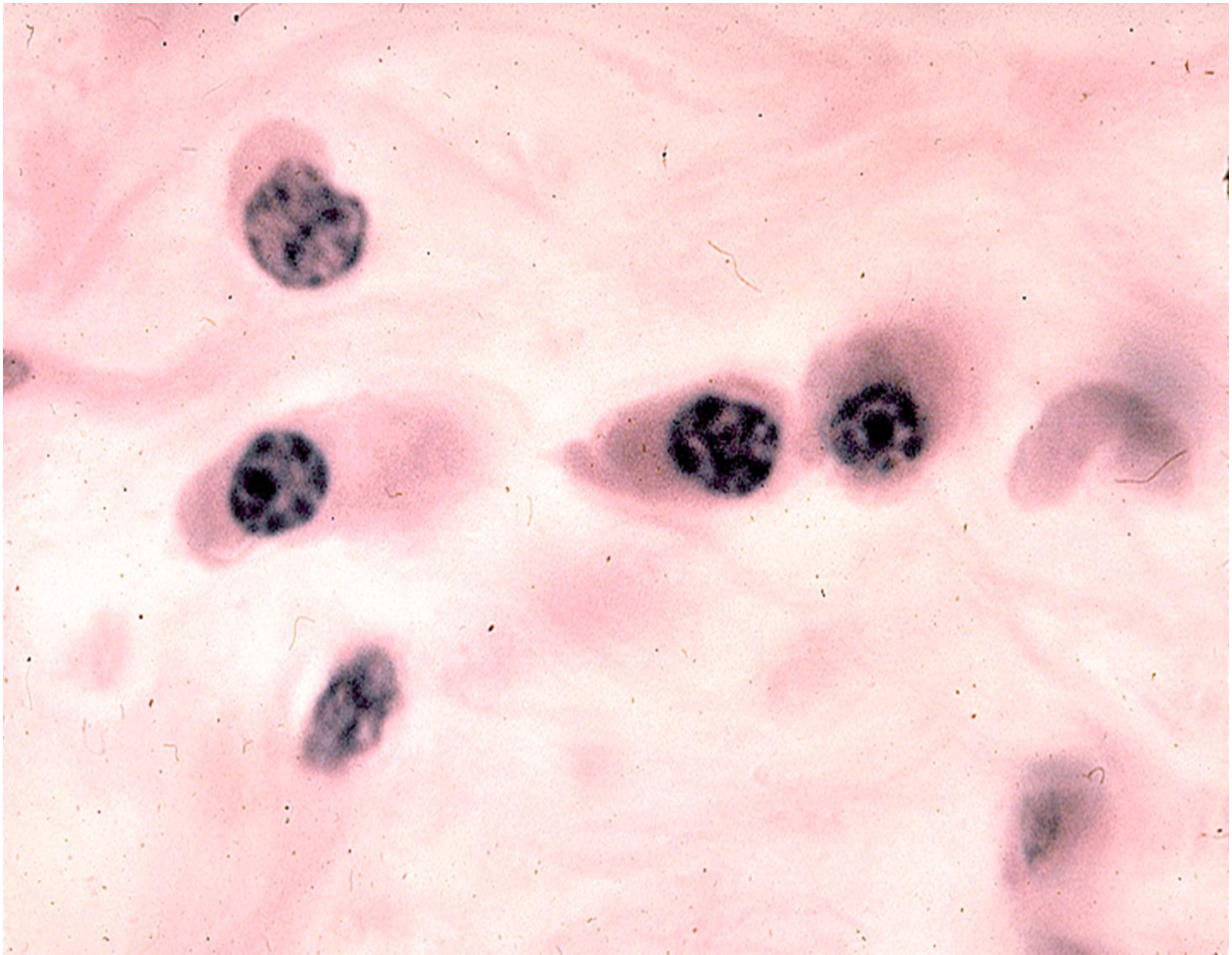




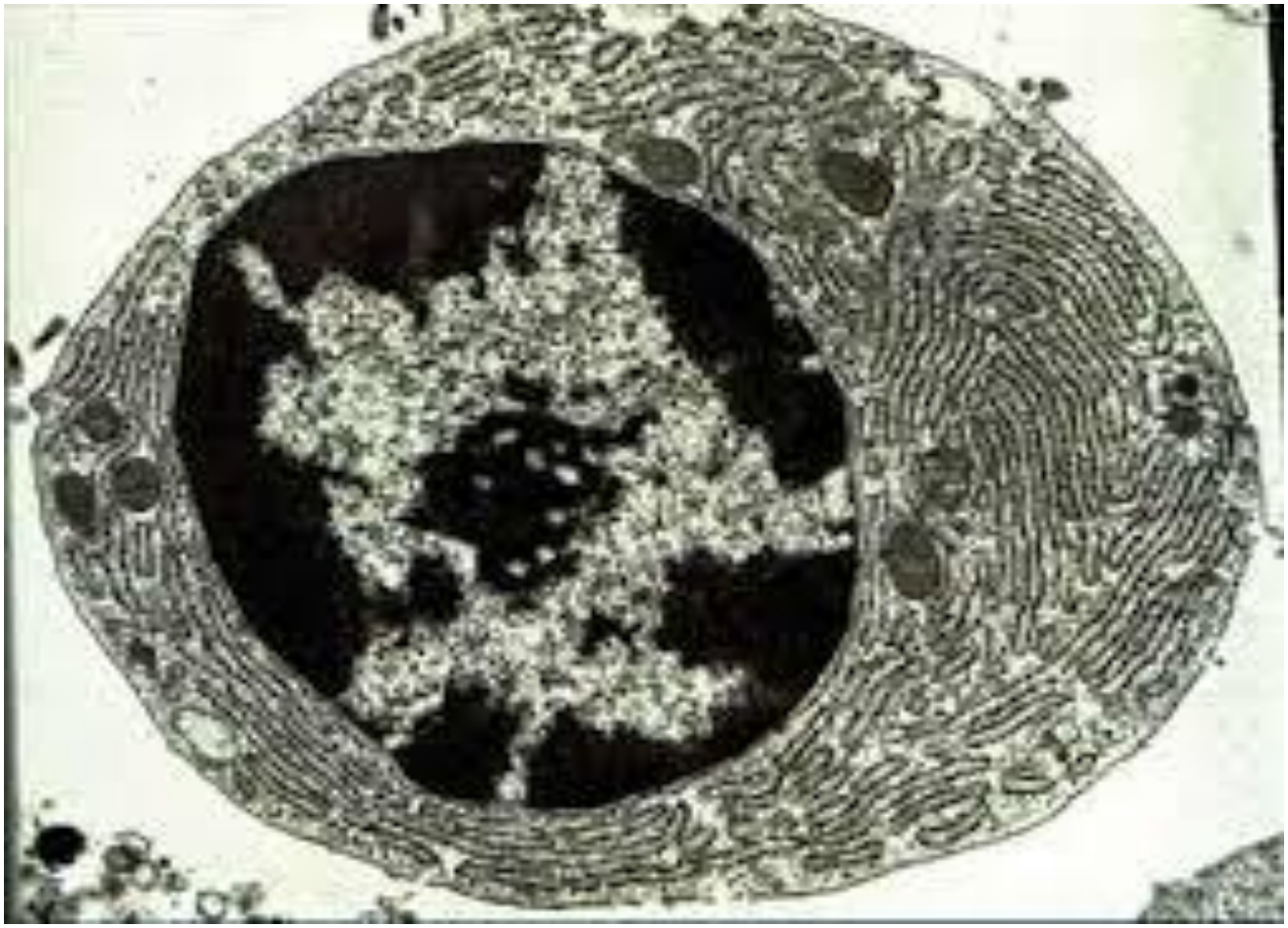
LM: Macrophage



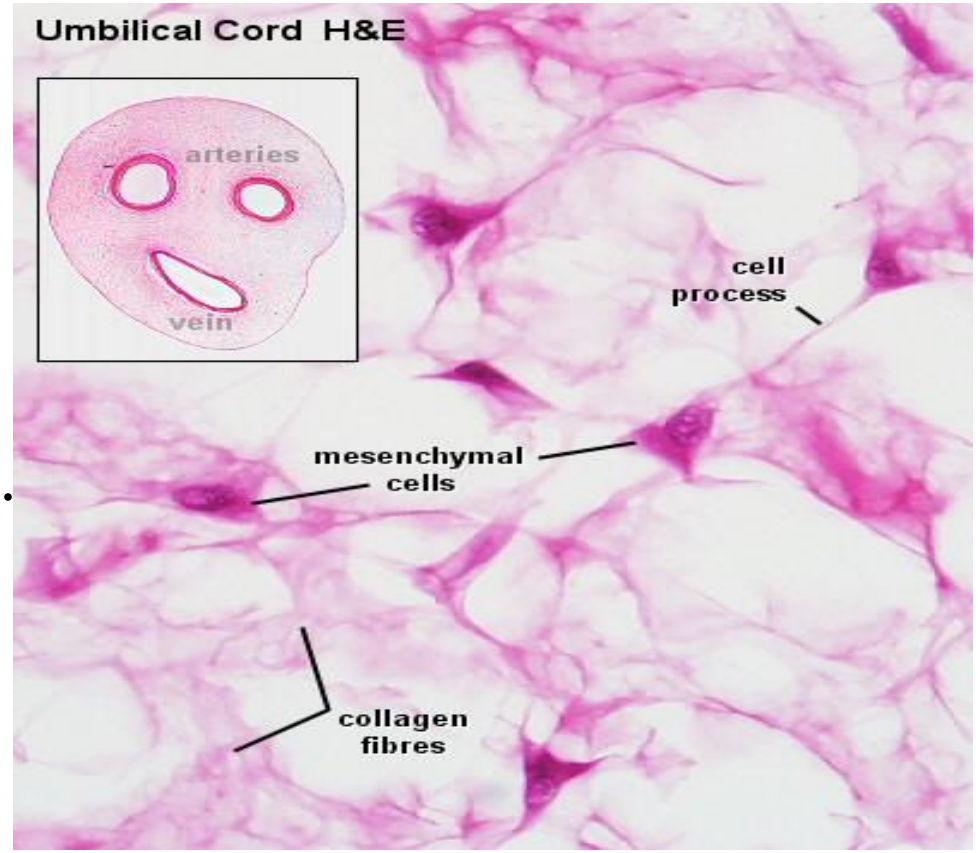
LM: Plasma Cells



EM: Plasma Cells



Mucoid CT



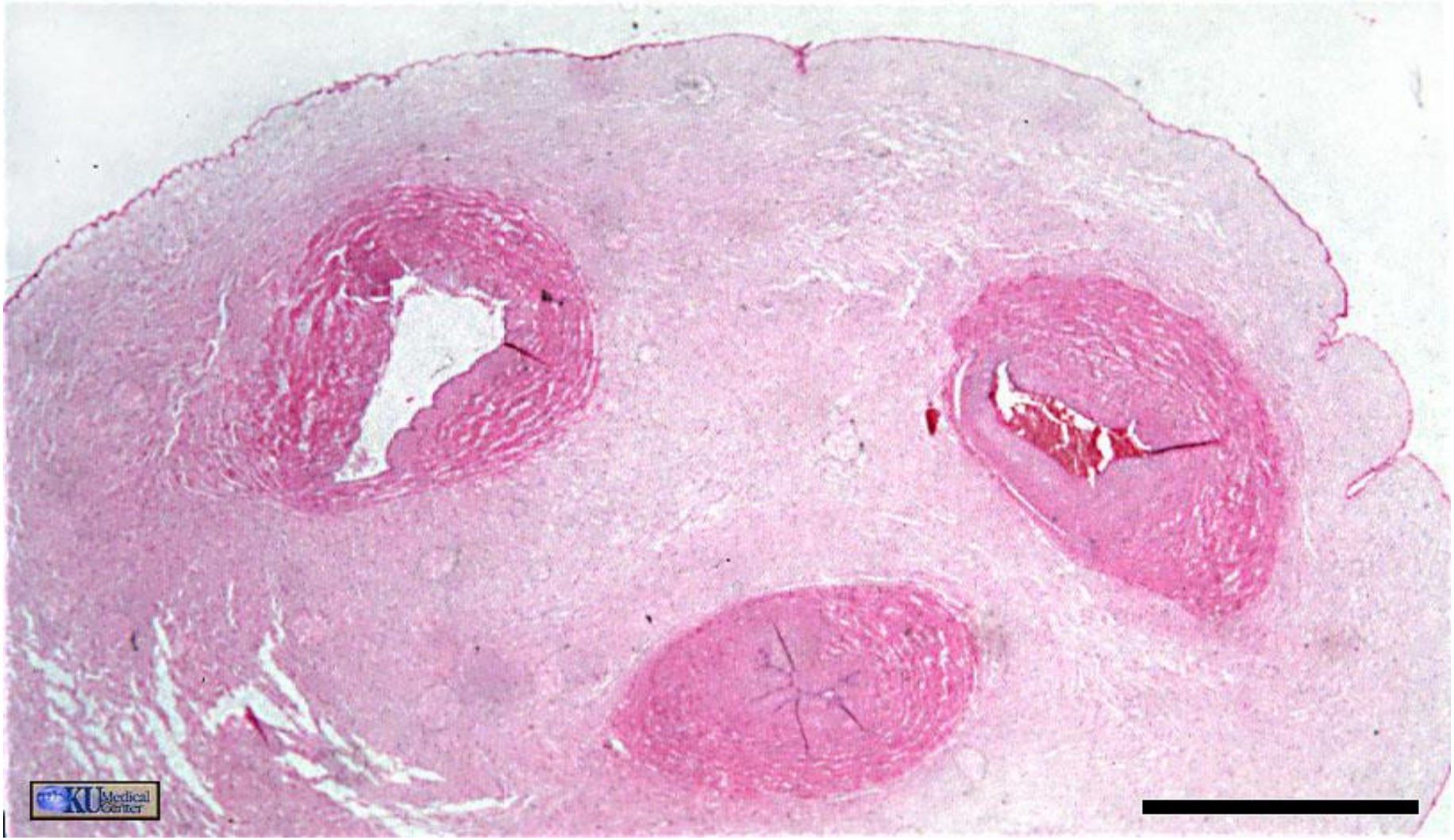
Sites:

- Umbilical cord (Wharton's jelly).
- Pulp of growing teeth.
- Vitreous humor of the eye.

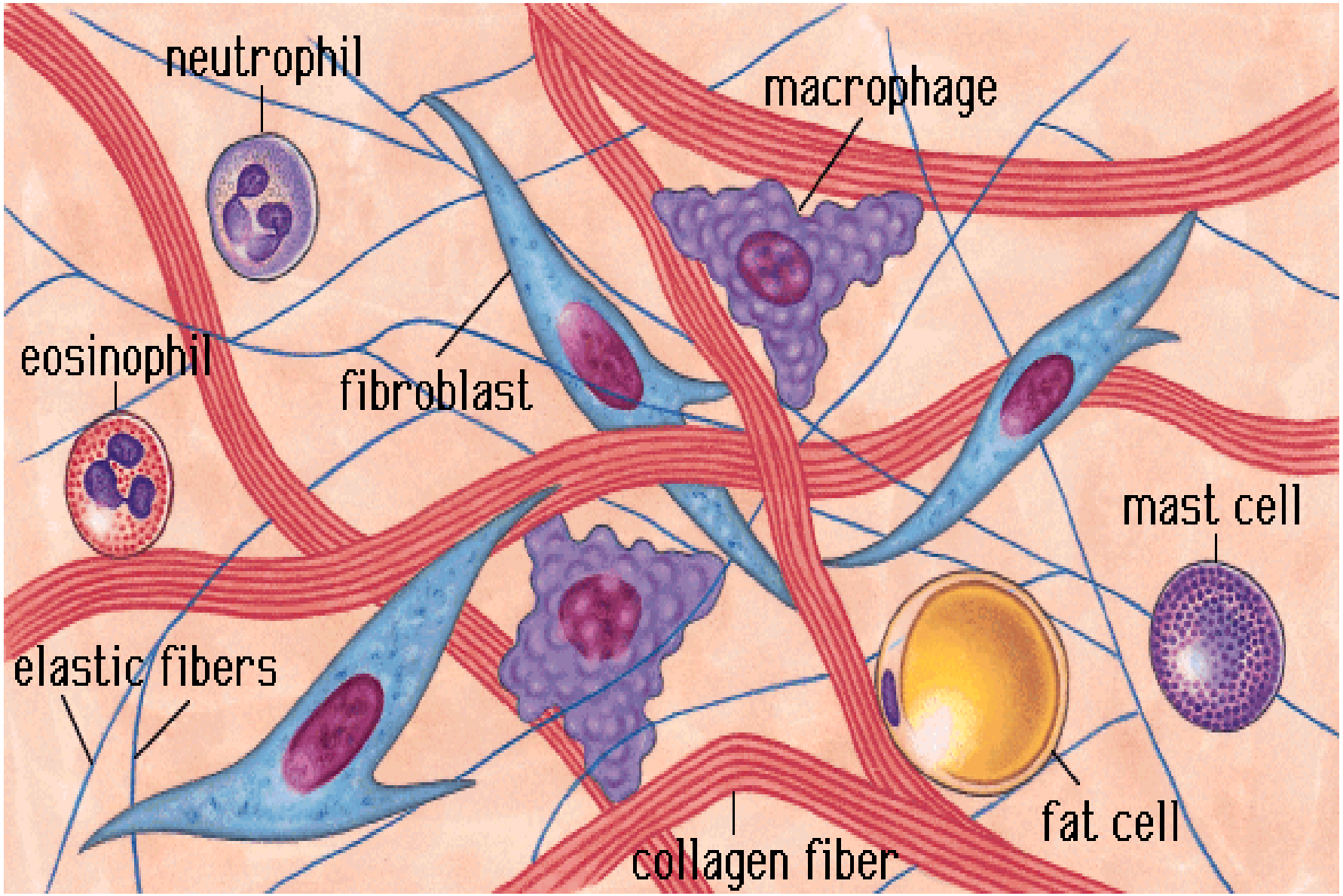
Structure:

- Jelly like matrix rich in mucin.
- Young fibroblasts, (UMCs).

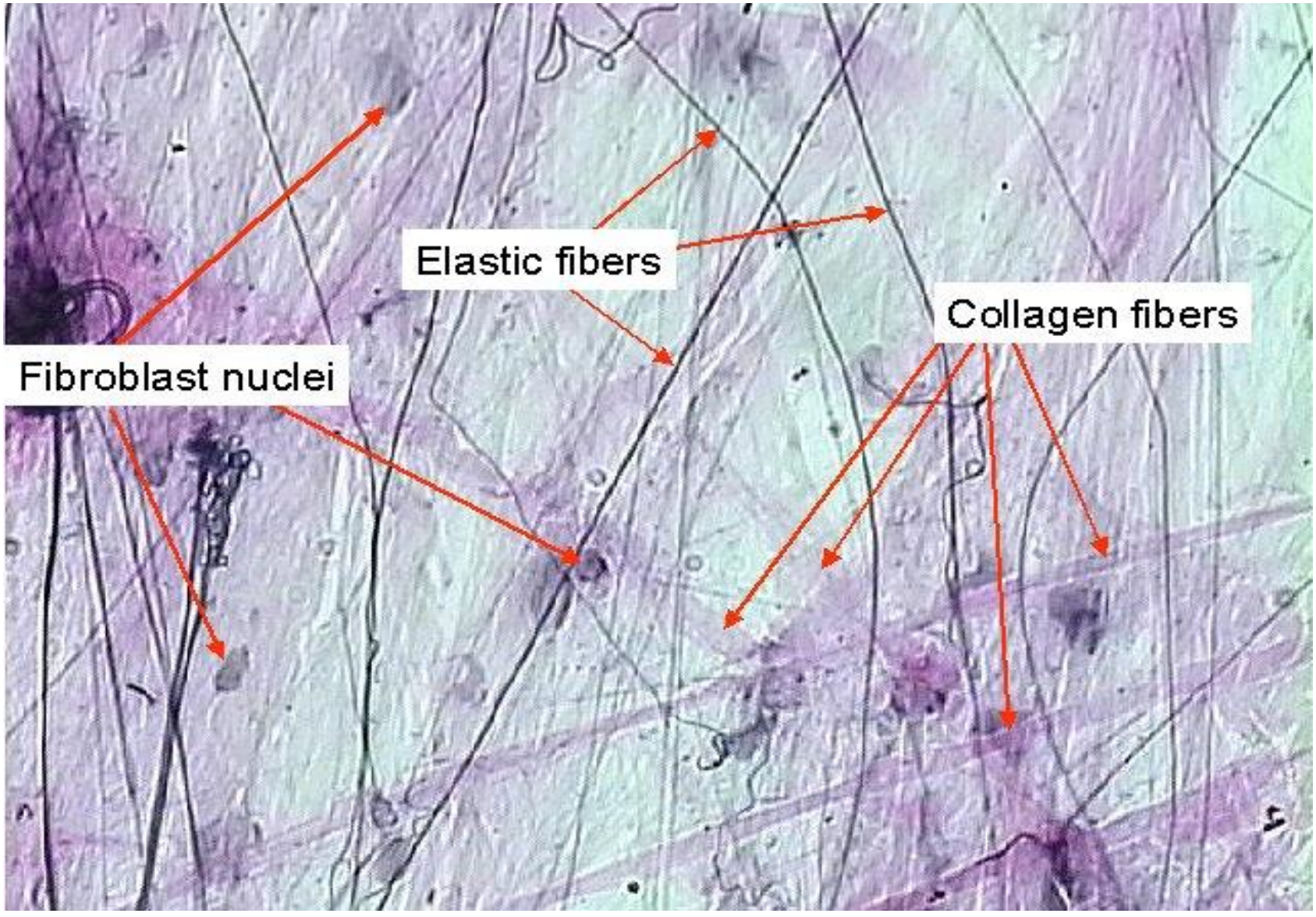
Mucoid C.T.
Umblical cord



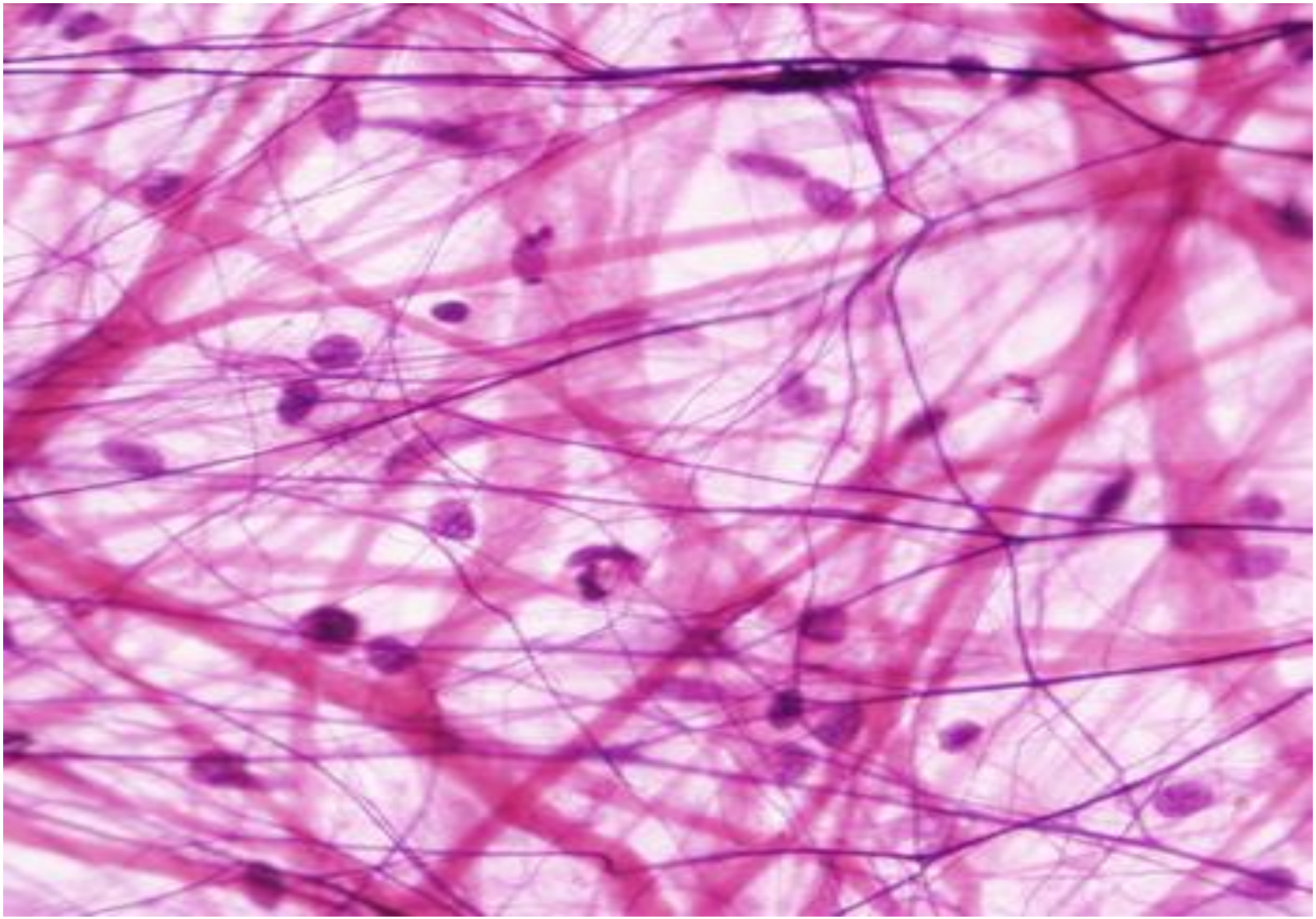
Loose Areolar CT



Loose Areolar CT

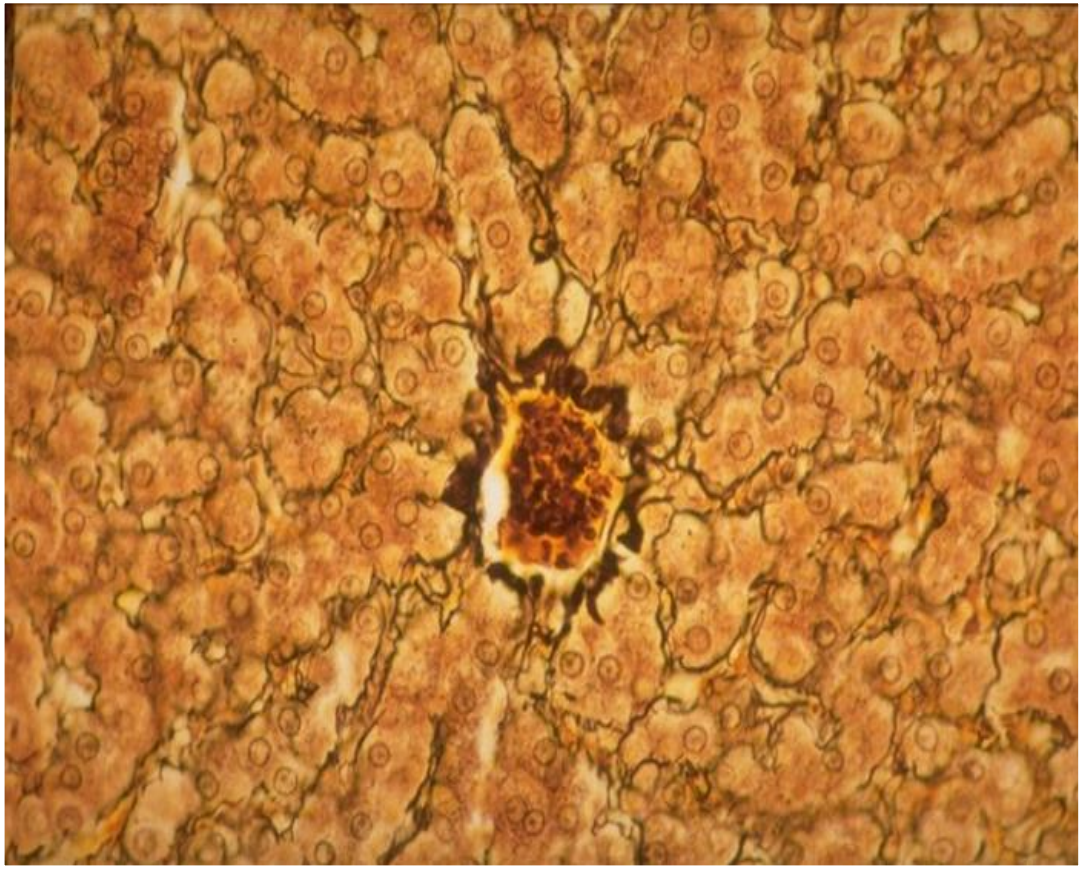


Loose Areolar CT



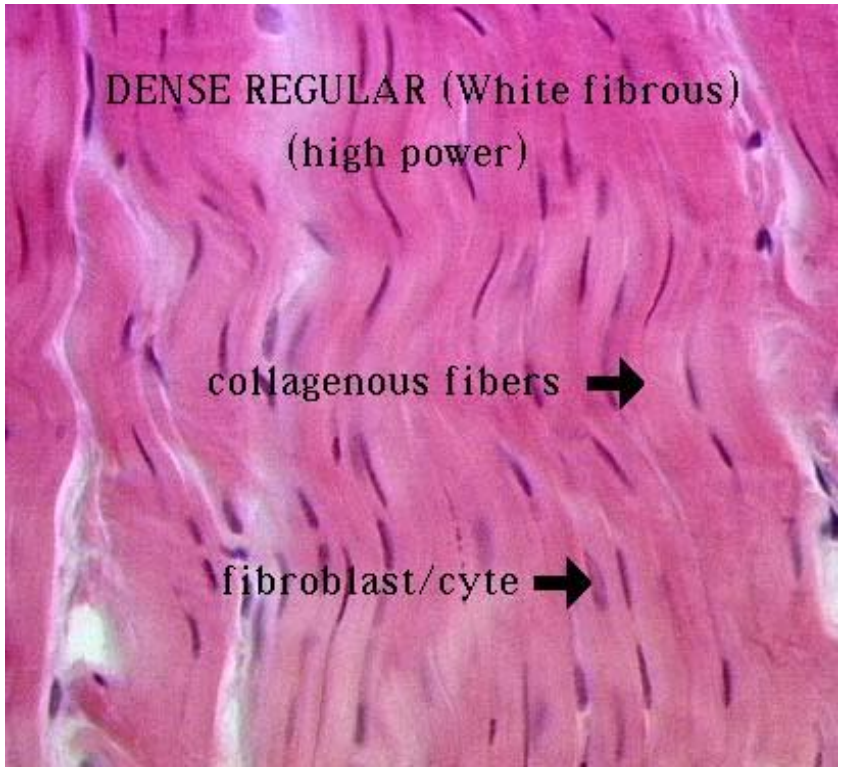
Reticular CT

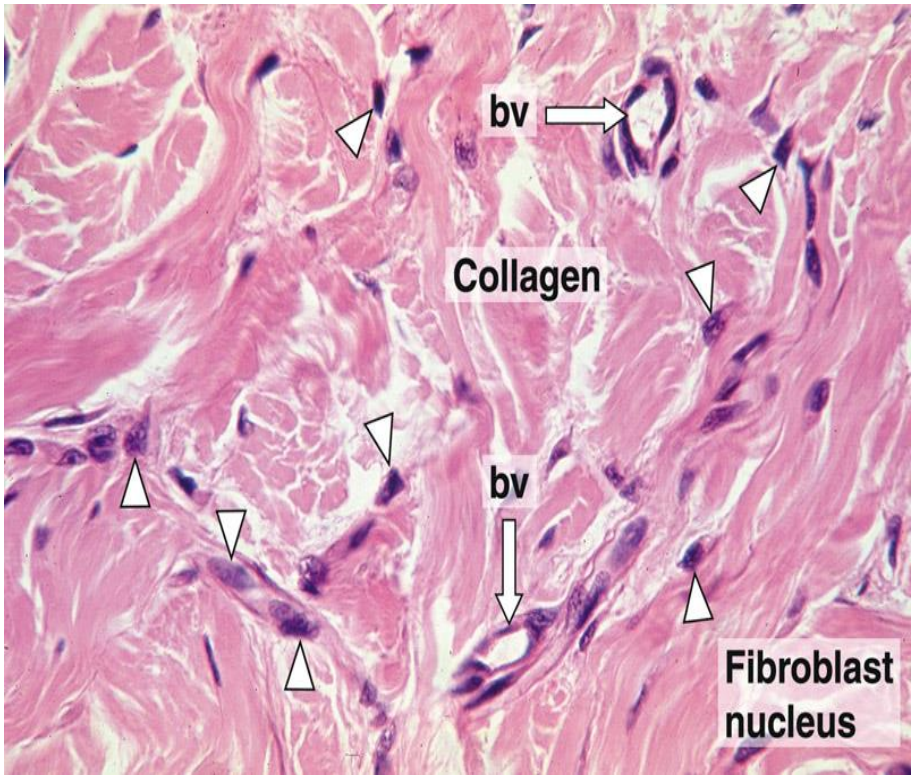
- **Sites:** liver ,Lymph node , Bone marrow
- **Structure:** Formed mainly of reticular fibers & modified fibroblasts = reticular cells0.
- Stain : silver stain
- Function = Support



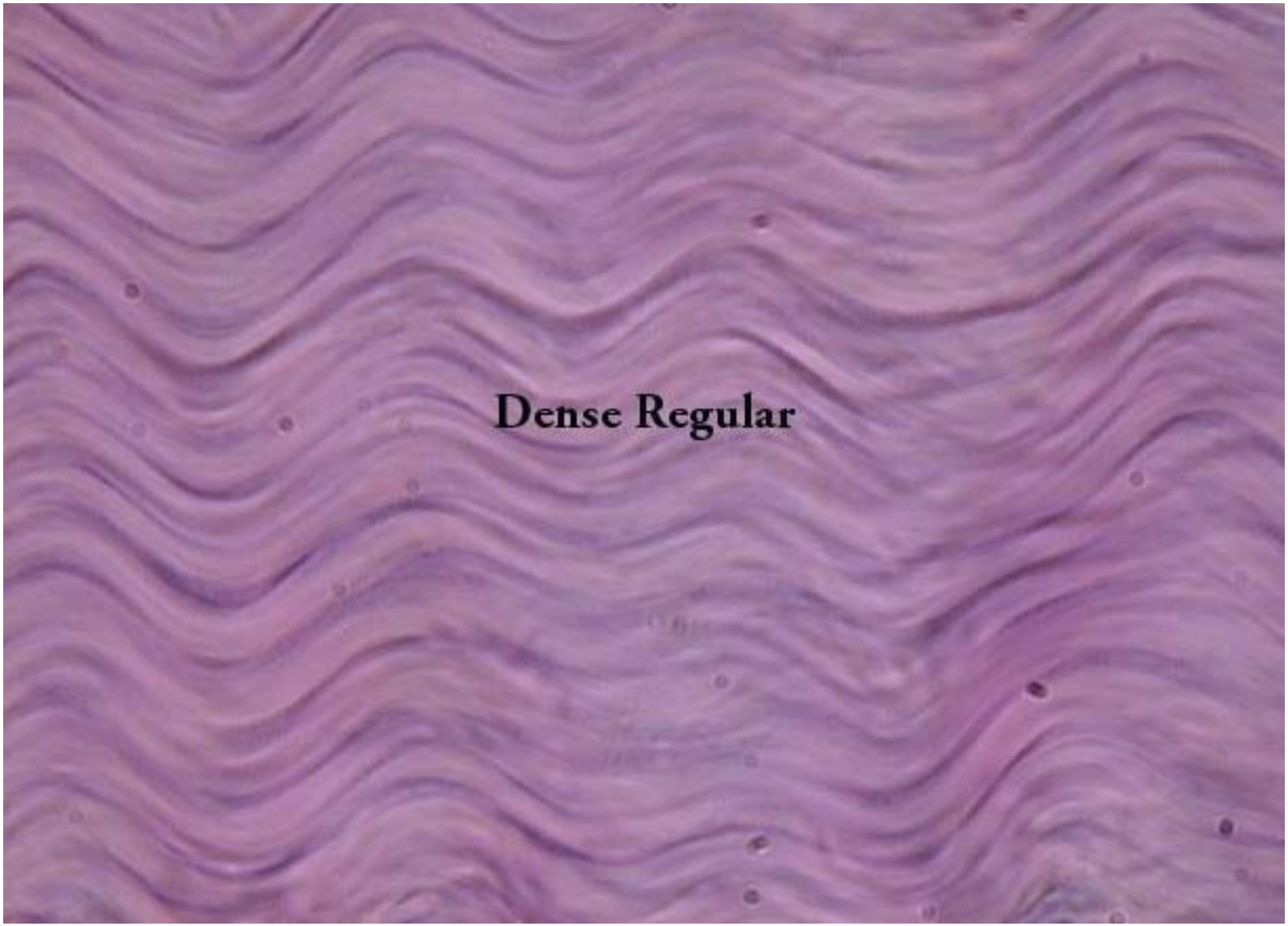
- **1-Regular :** tendons , ligaments & cornea (substantia propria).

- **2-Irregular :** dermis of skin , capsules of organs ,periostium & perichondrium.

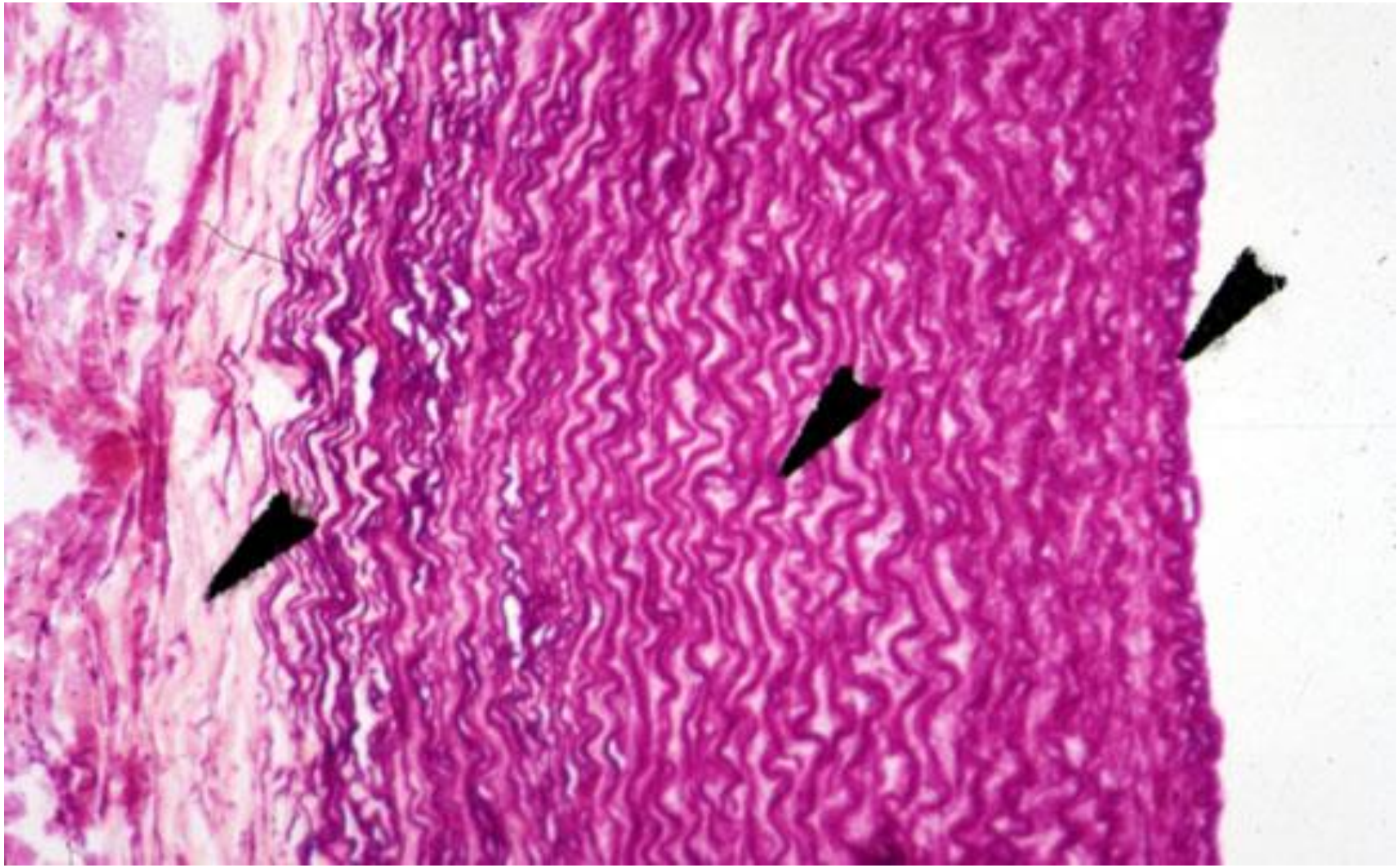




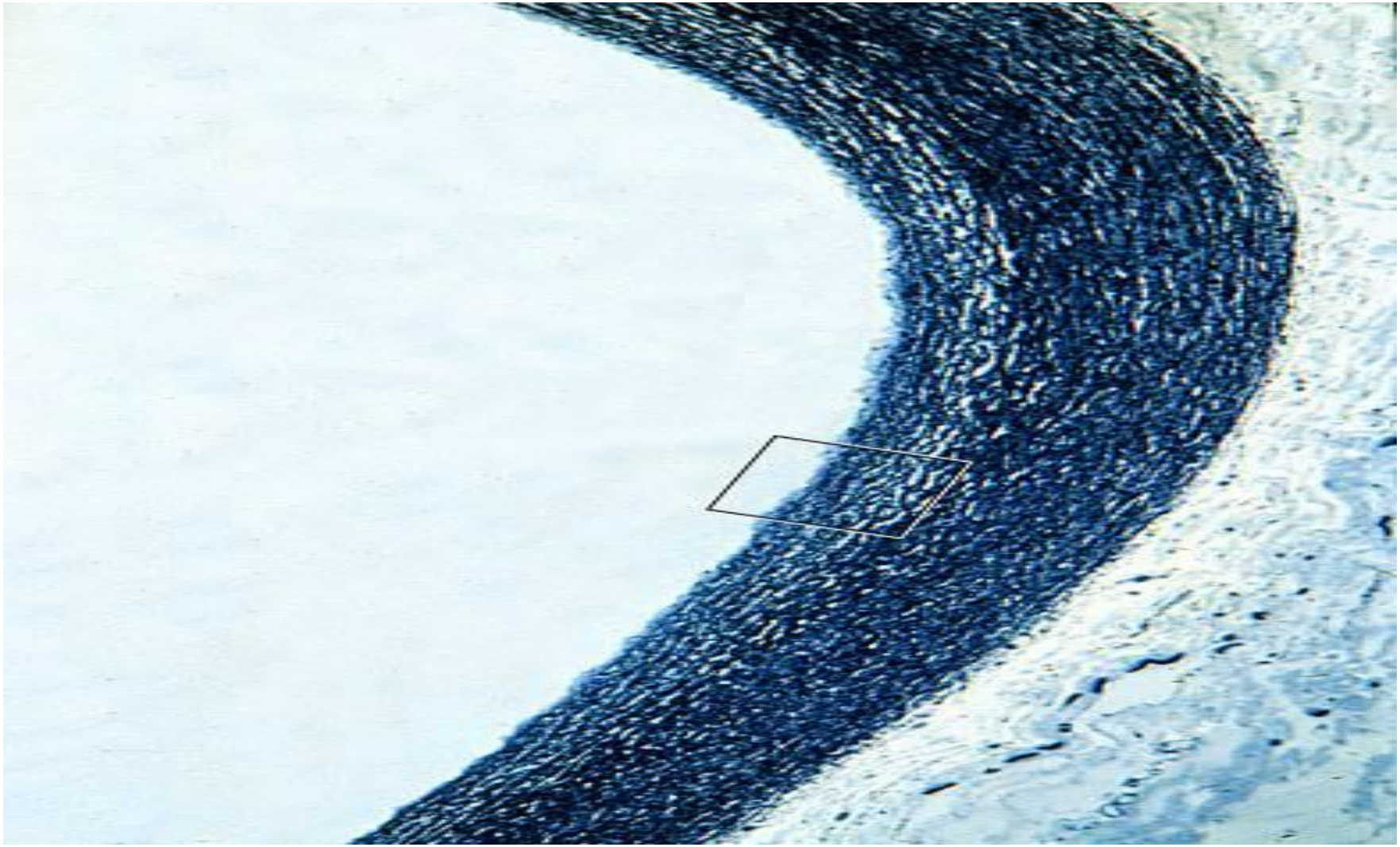
White Fibrous CT(in tendon)



Elastic CT (H&E)



Elastic CT VVG



Elastic C.T. (orcein stain)