



LUCRAREA PRACTICA NR 7

TESUTUL CONJUNCTIV

VARIETATI

Tesuturile conjunctive cu substanta fundamentala moale

Tesuturi conjunctive tinere

Tesutul
mezenchimatos

Tesutul gelatinos

Tesutul de granulatie

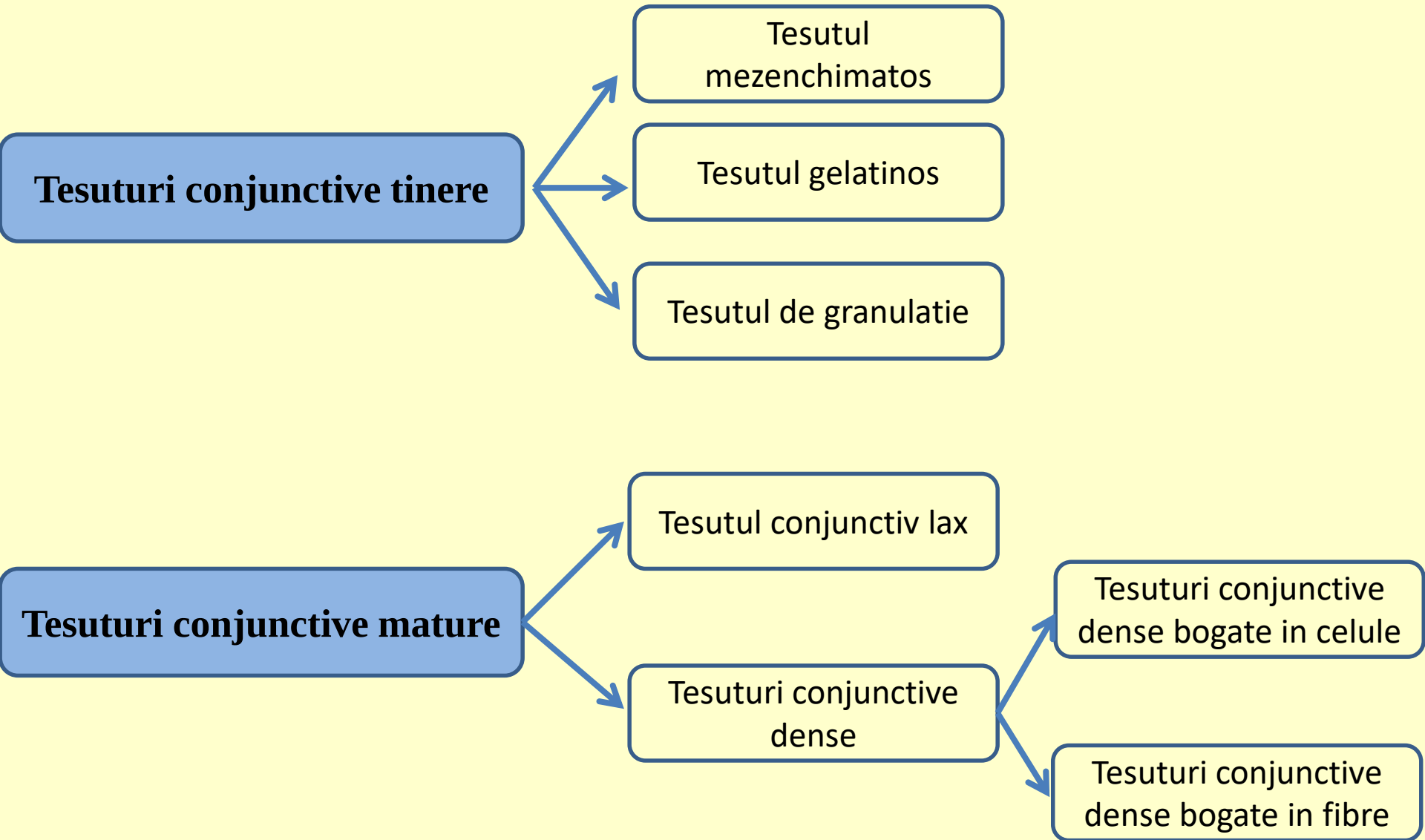
Tesuturi conjunctive mature

Tesutul conjunctiv lax

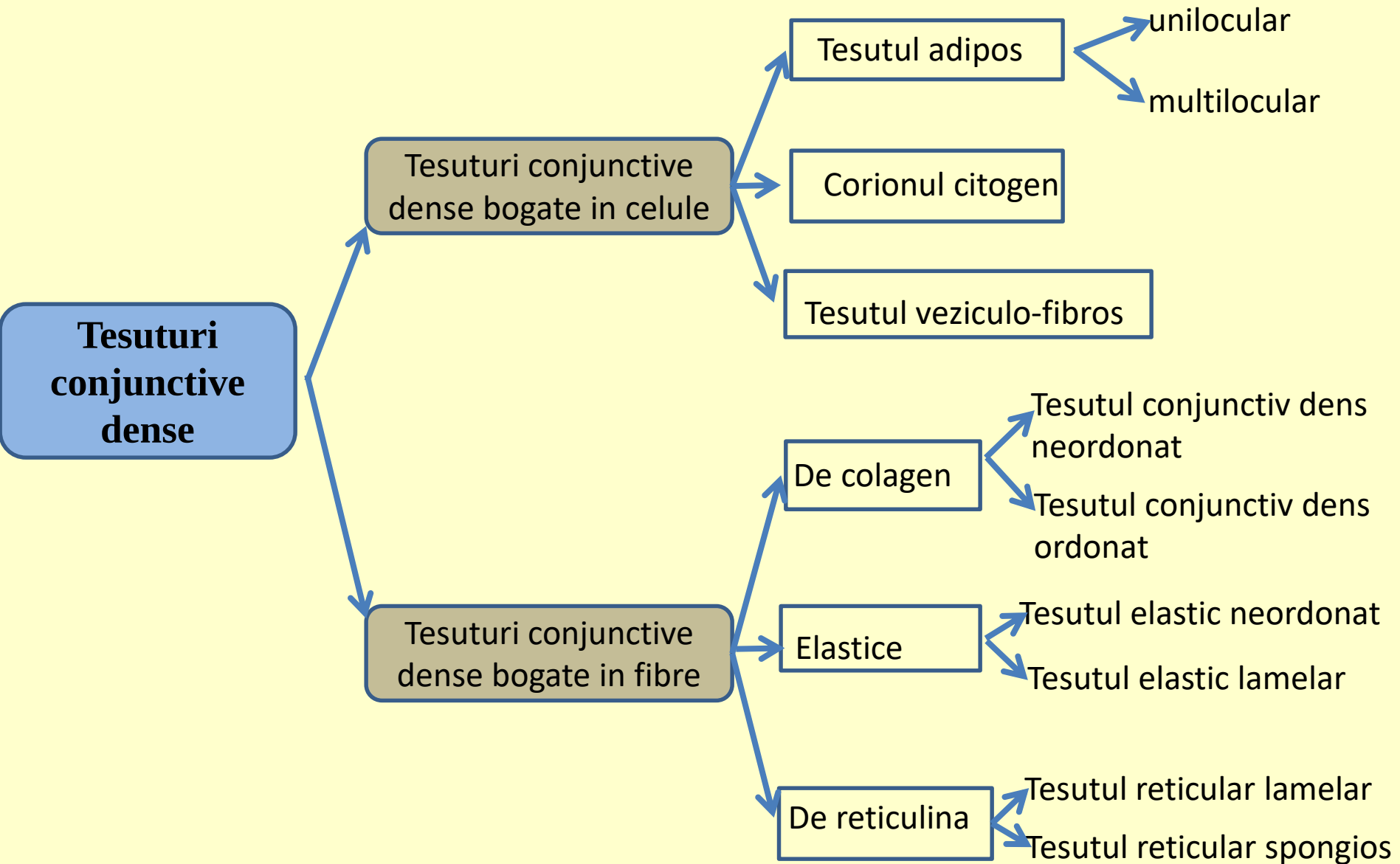
Tesuturi conjunctive
dense

Tesuturi conjunctive
dense bogate in celule

Tesuturi conjunctive
dense bogate in fibre



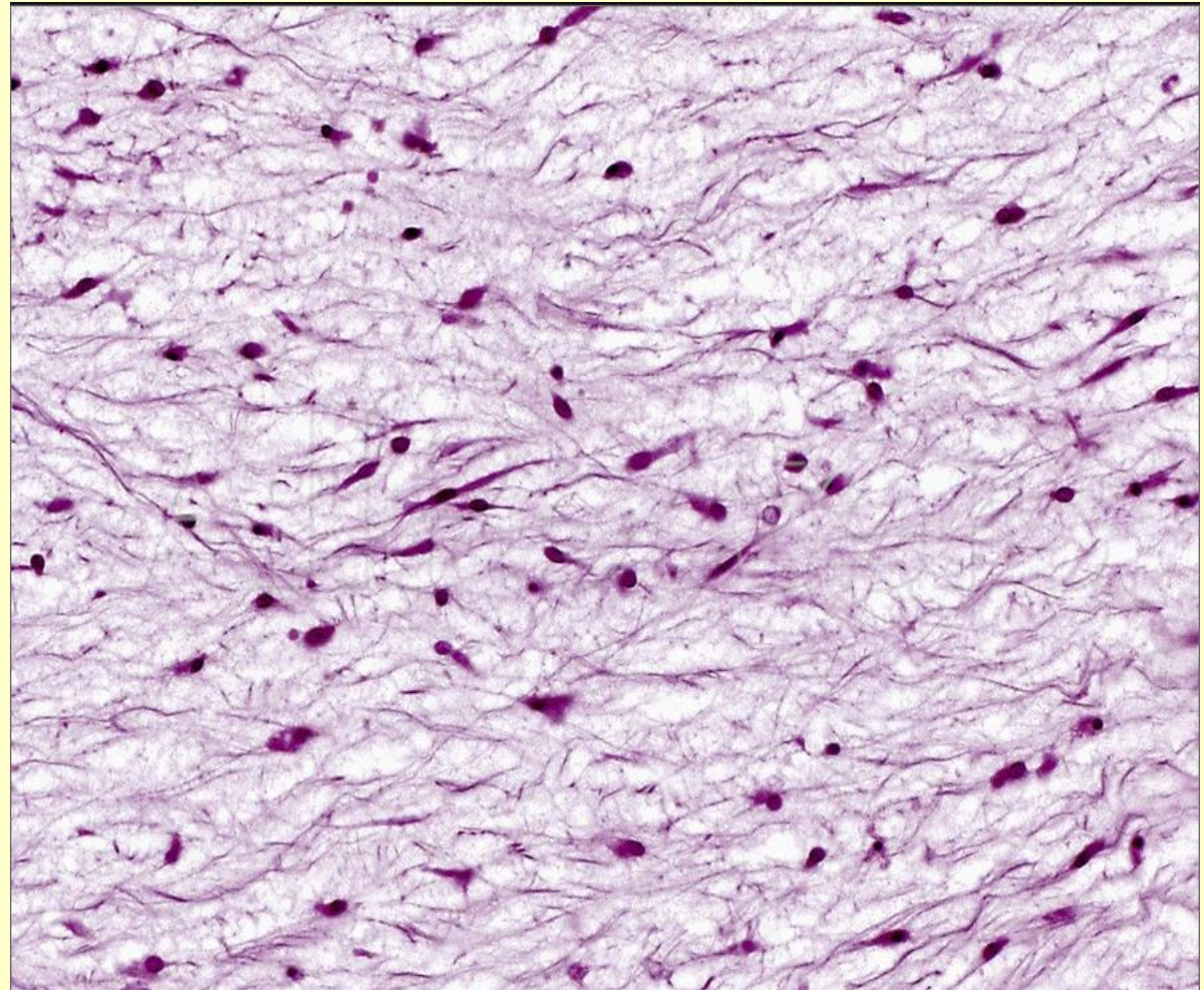
Tesuturile conjunctive cu substanta fundamentala moale



Tesutul mezenchimatos

Tesutul mezenchimatos se gaseste la embrion si primele luni de viata ale fatului; este alcatuit din **celule mezenchimale** si **substanta fundamentala** aproape lichida.

Fibrele conjunctive lipsesc.

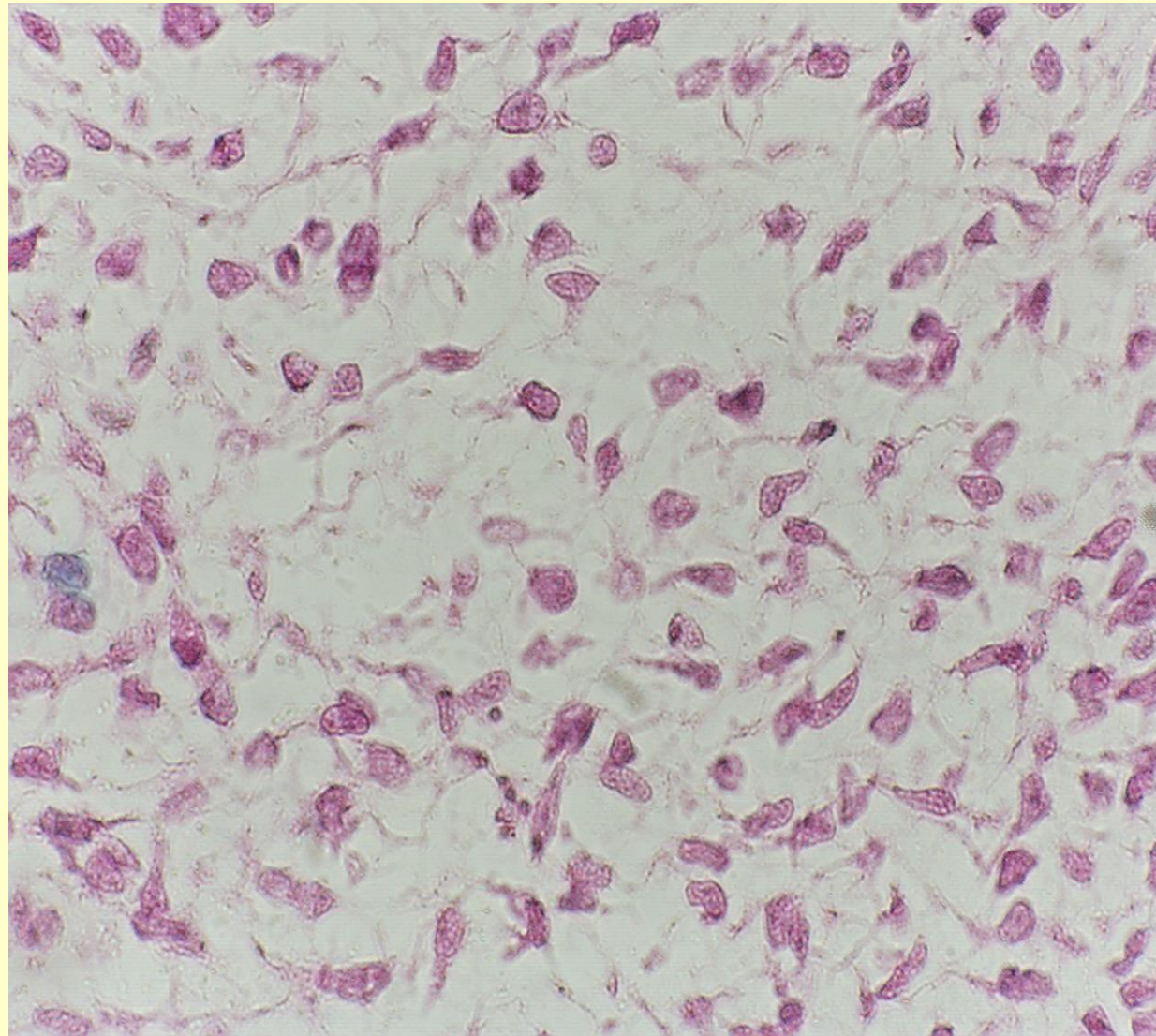


Tesut mezenchimatos. Coloratie Hematoxilina-Eozina

Tesutul gelatinos sau mucos

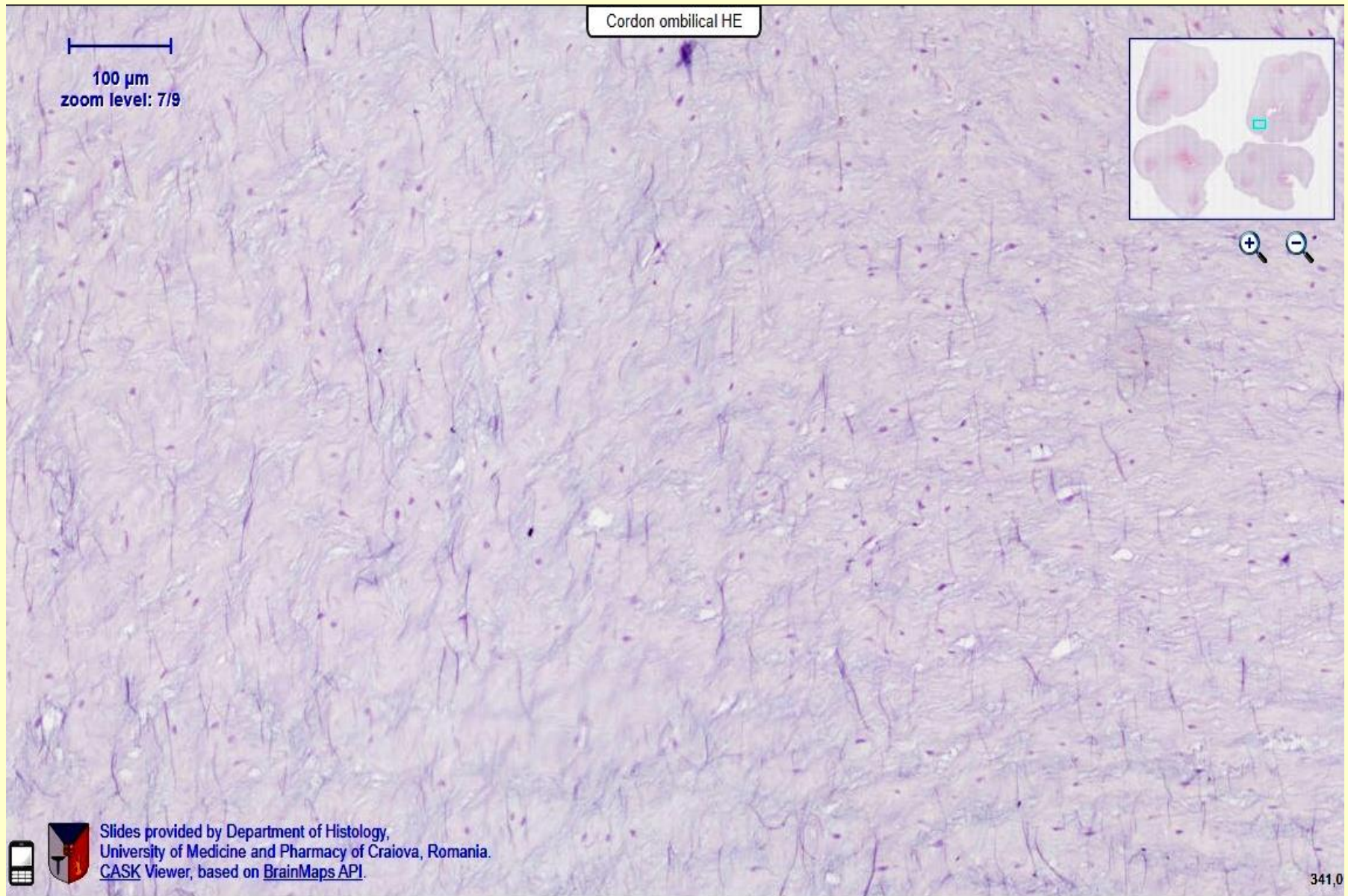
Tesutul gelatinos este alcatuit dintr-un **numar redus de celule mezenchimale, reticulare si fibroblaste, substanta fundamentala cu aspect de gel**, si o **trama fina de fibre de collagen**.

Localizare: cordonul ombilical, ligamentul spiral din urechea interna, pulpa coronara a dintelui, corpul vitros.

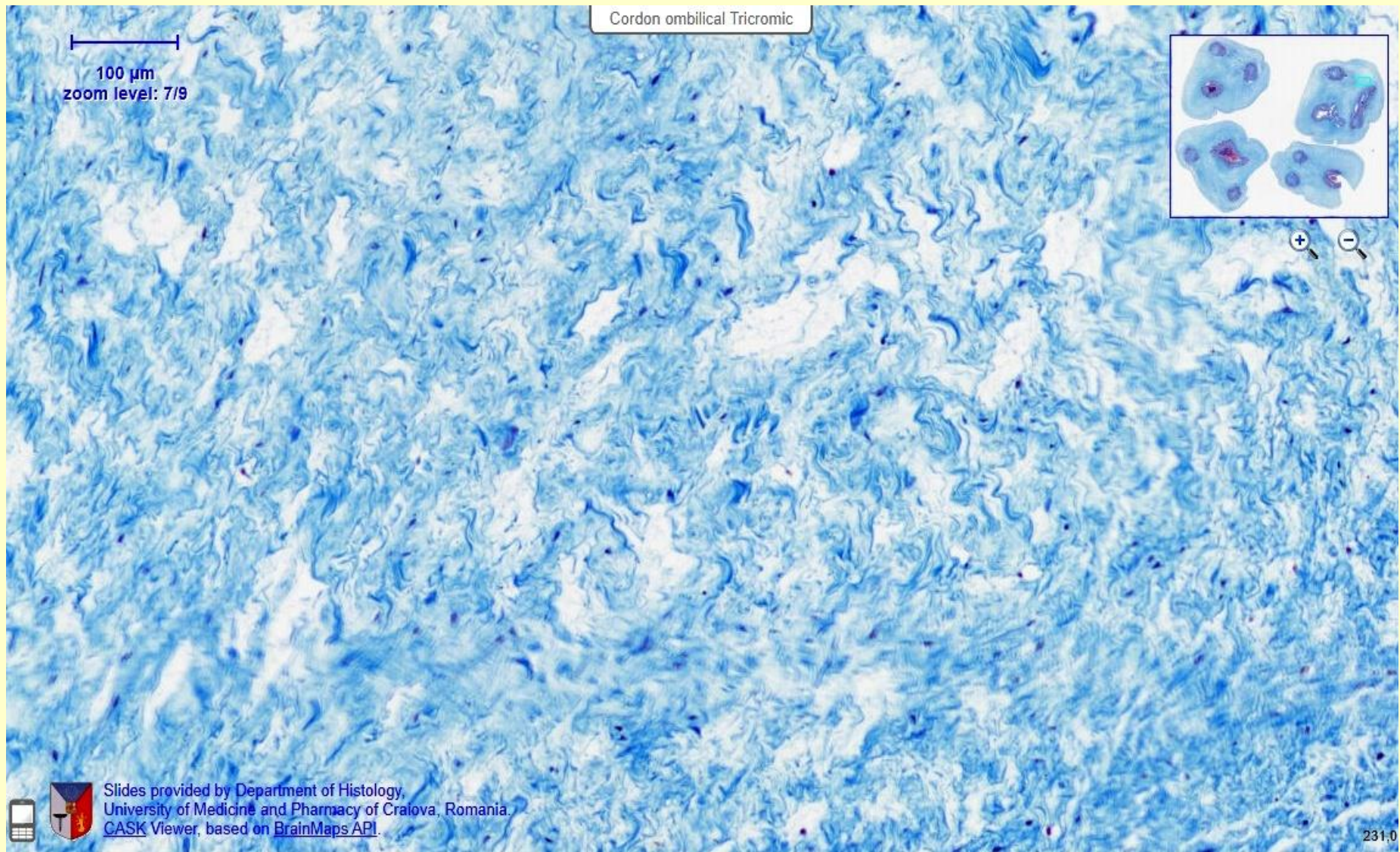


Tesut gelatinos. Coloratie Hematoxilina-Eozina

Tesutul gelatinos sau mucos

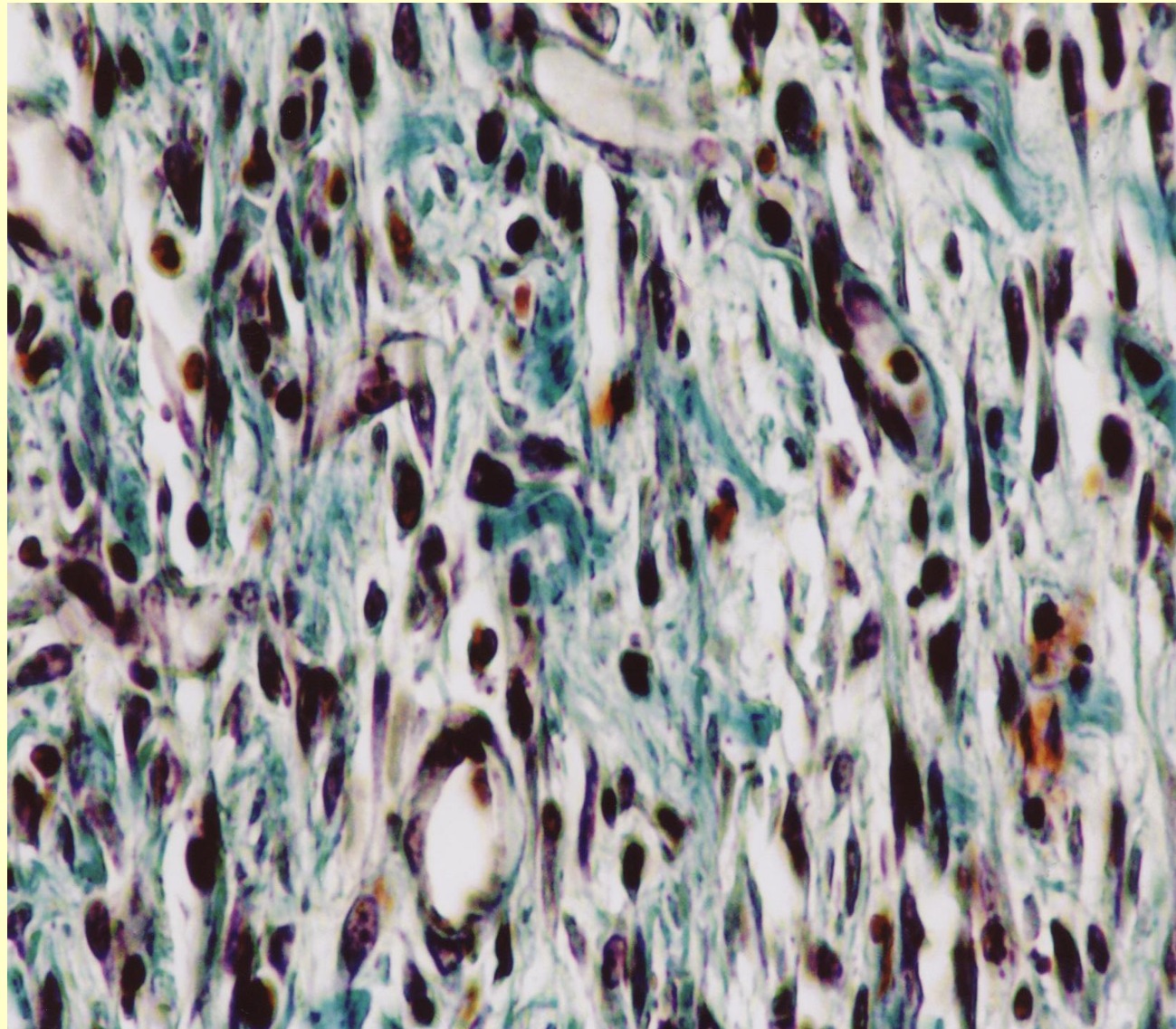


Tesutul gelatinos sau mucos

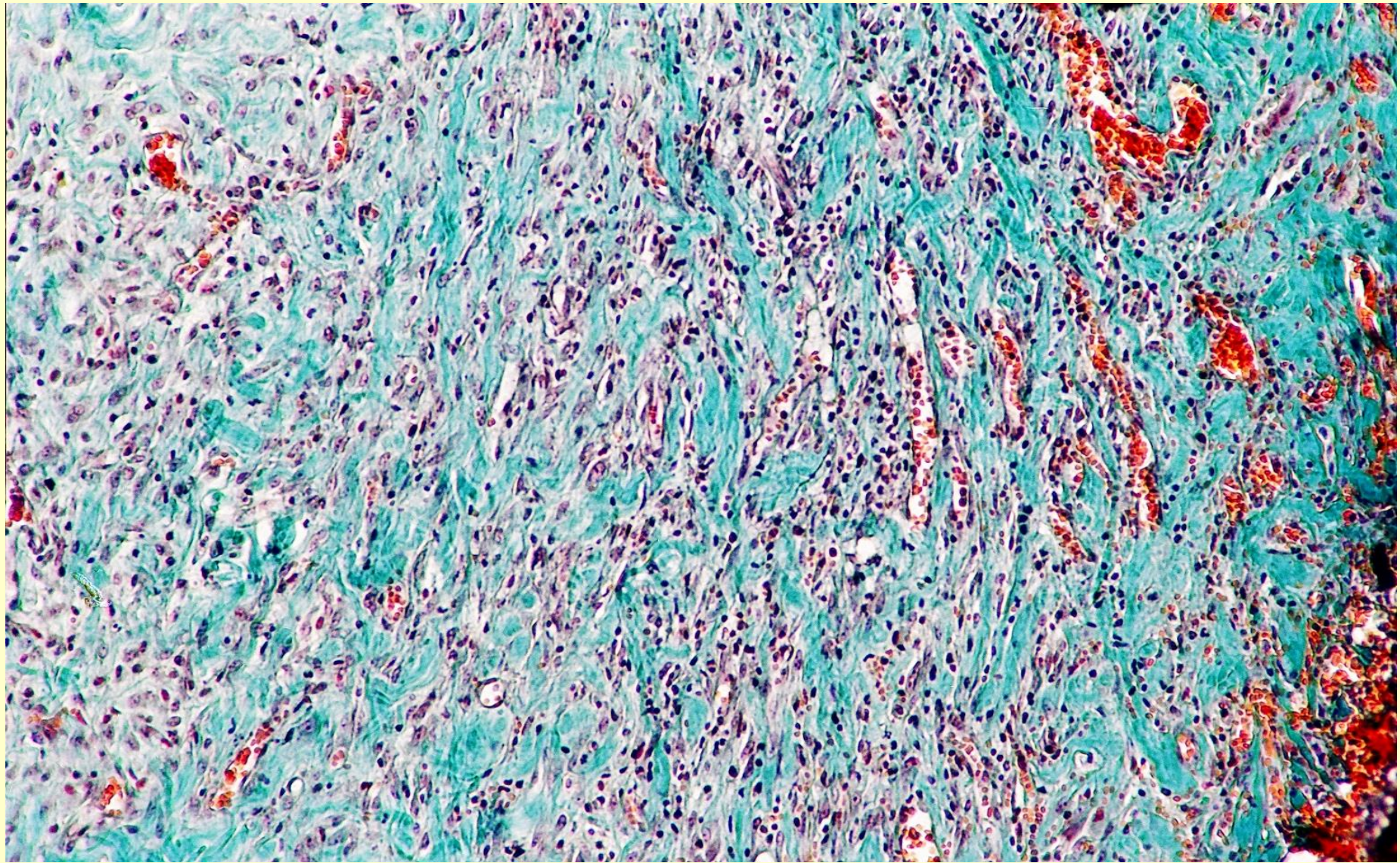


Tesutul de granulatie

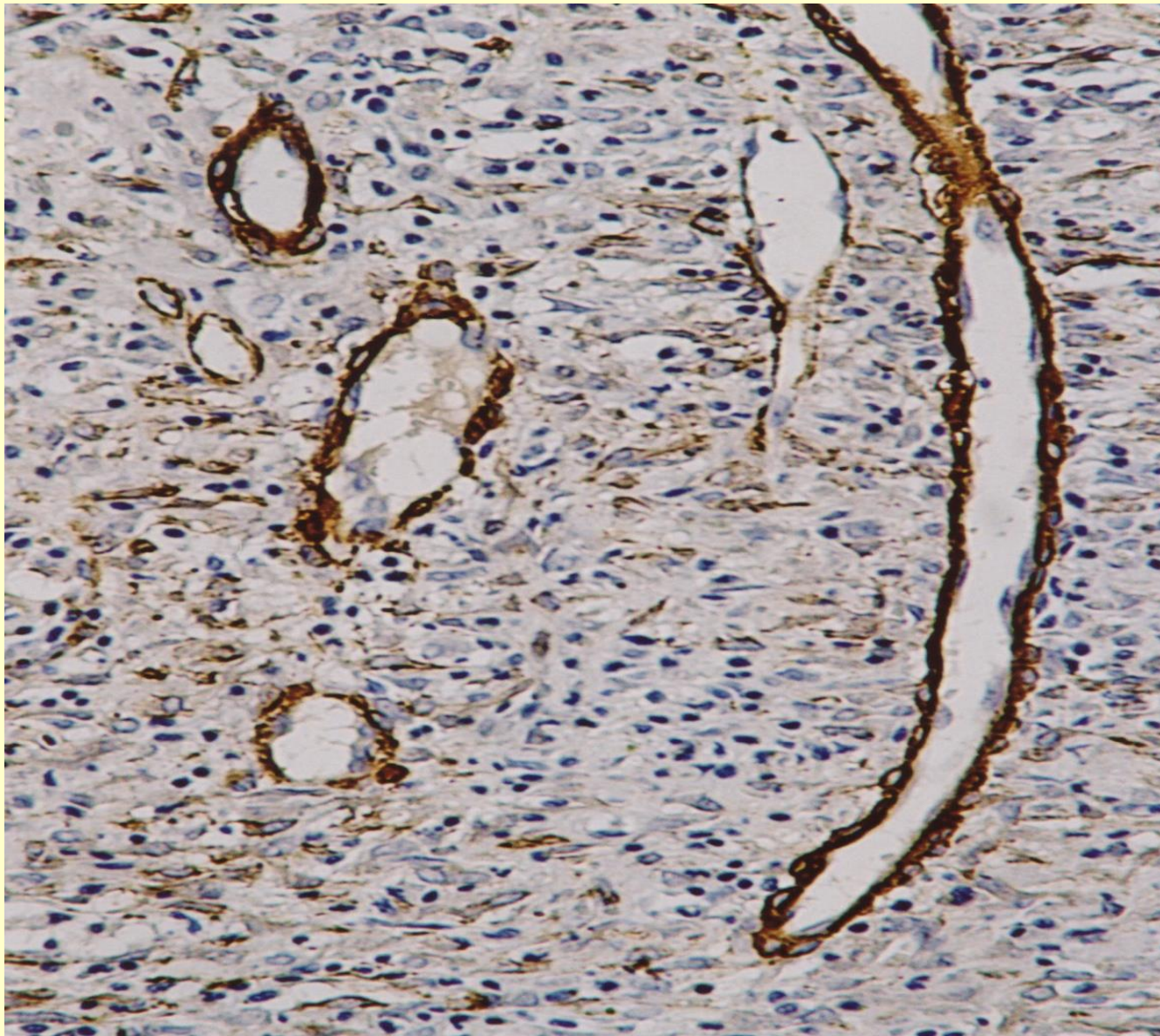
Tesutul de granulatie este alcatuit din numeroase **celule conjunctive** (reticulare si fibroblaste) si **celule migrate din circulatia sanguina** (macrofage, limfocite, plasmocite si granulocite); **substanta fundamnetala aproape lichida si fibre de collagen.**



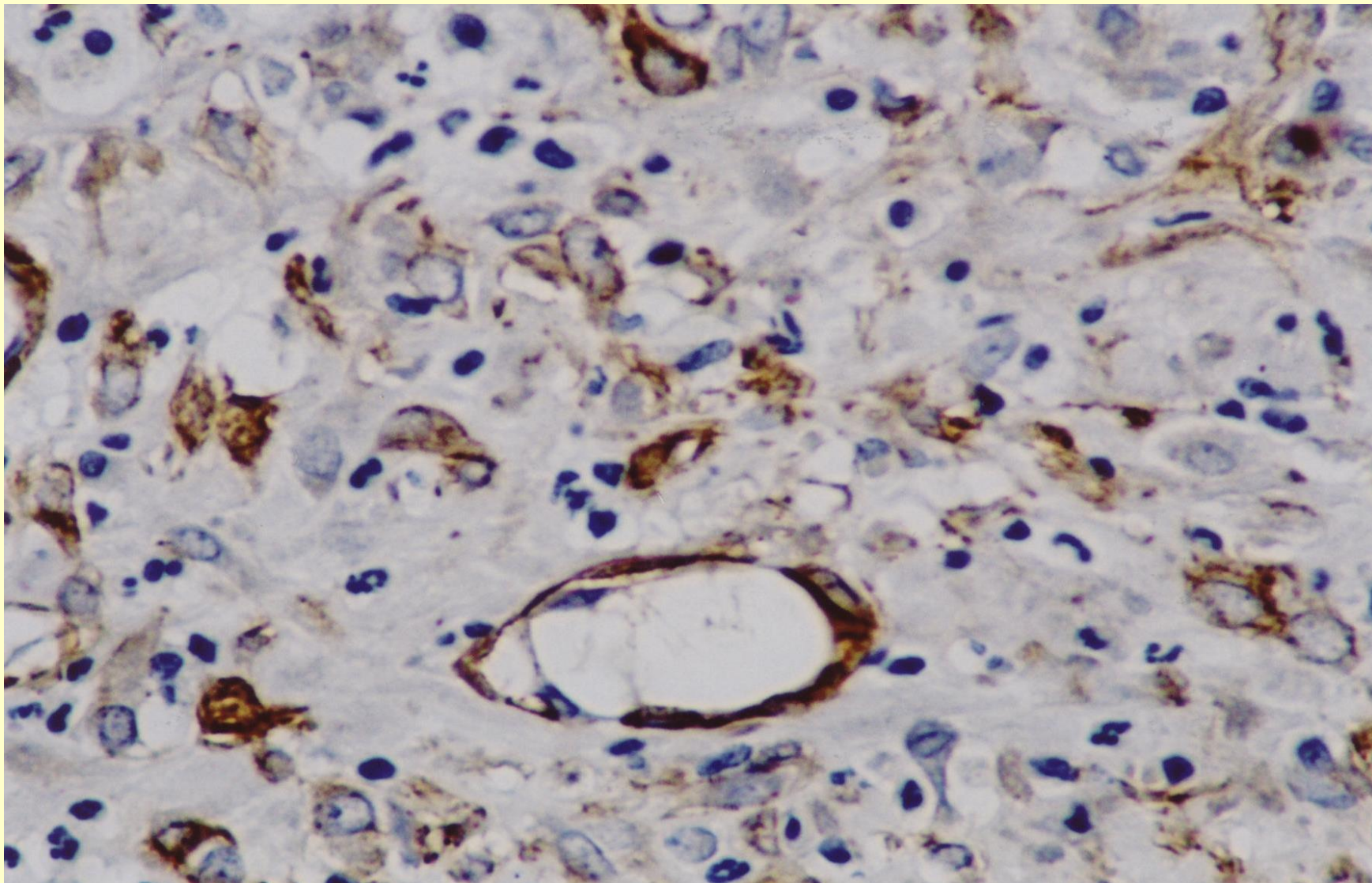
Tesut de granulatie. Coloratie Tricromic GS



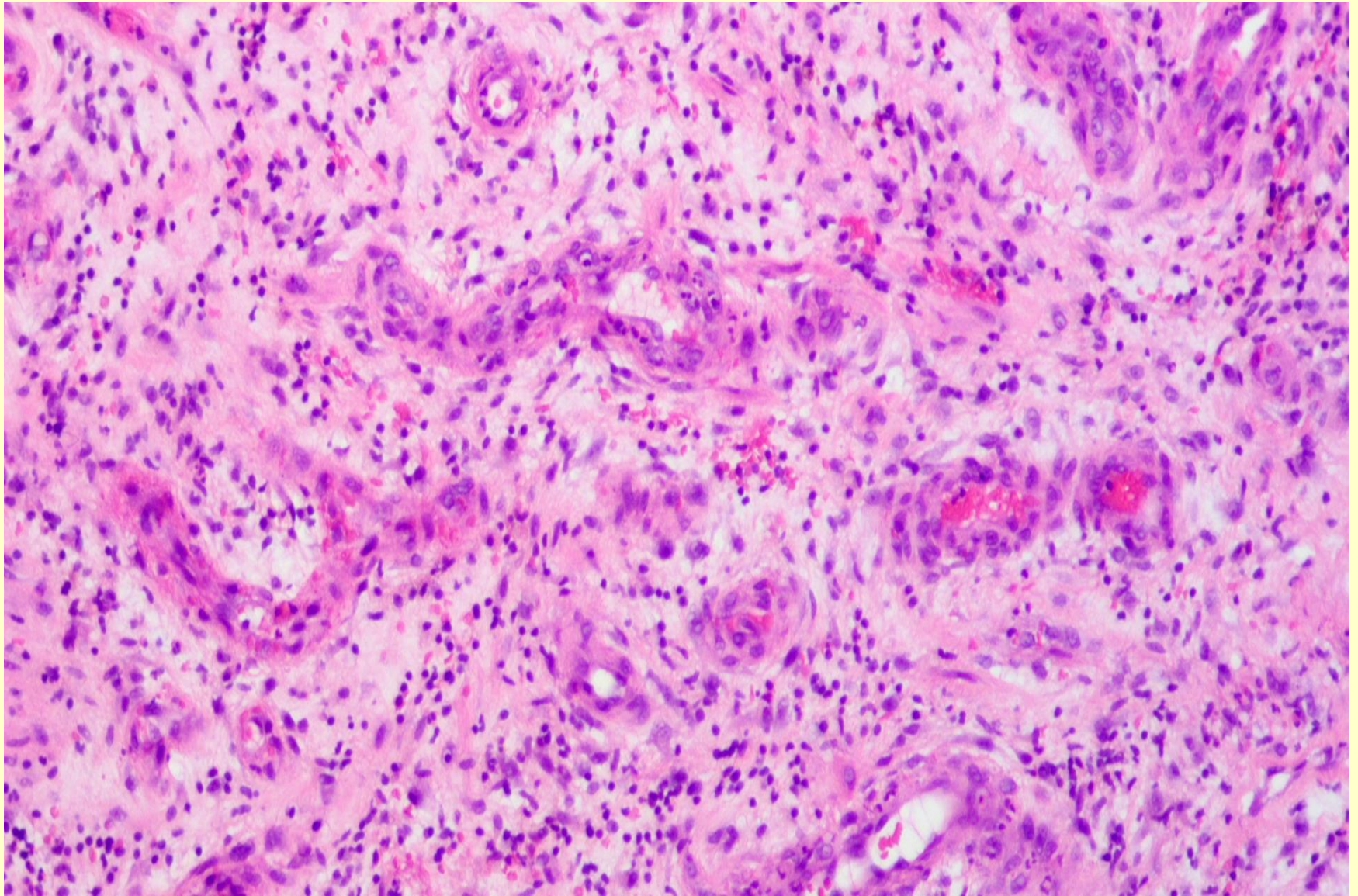
Tesut de granulatie. Coloratie Tricromic GS



*Țesut de granulație-miofibroblaste. Imunomarcare cu atc.
anti-alfa actină*



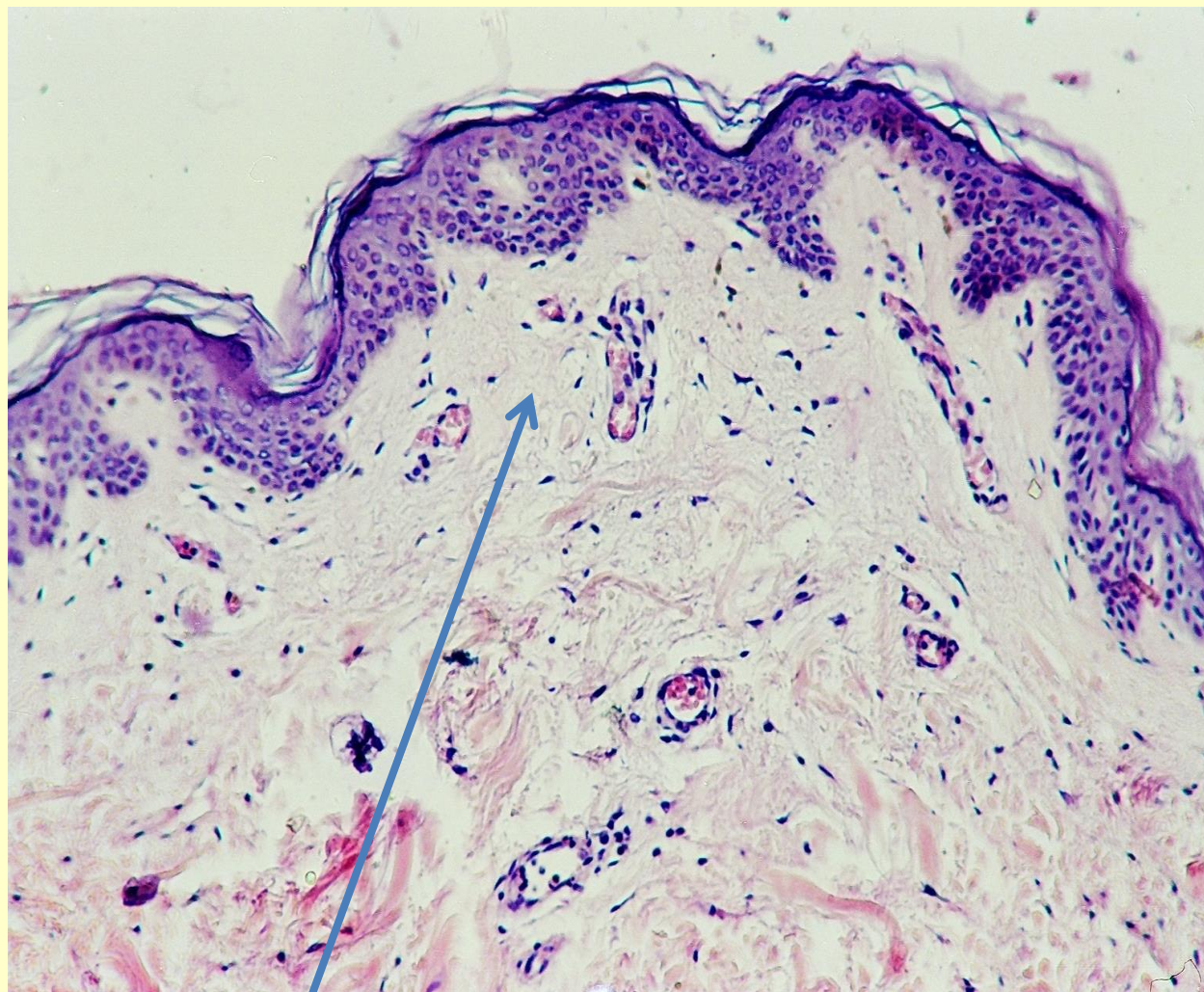
Țesut de granulație-miofibroblaste. Imunomarcare cu atc. anti-alfa actină



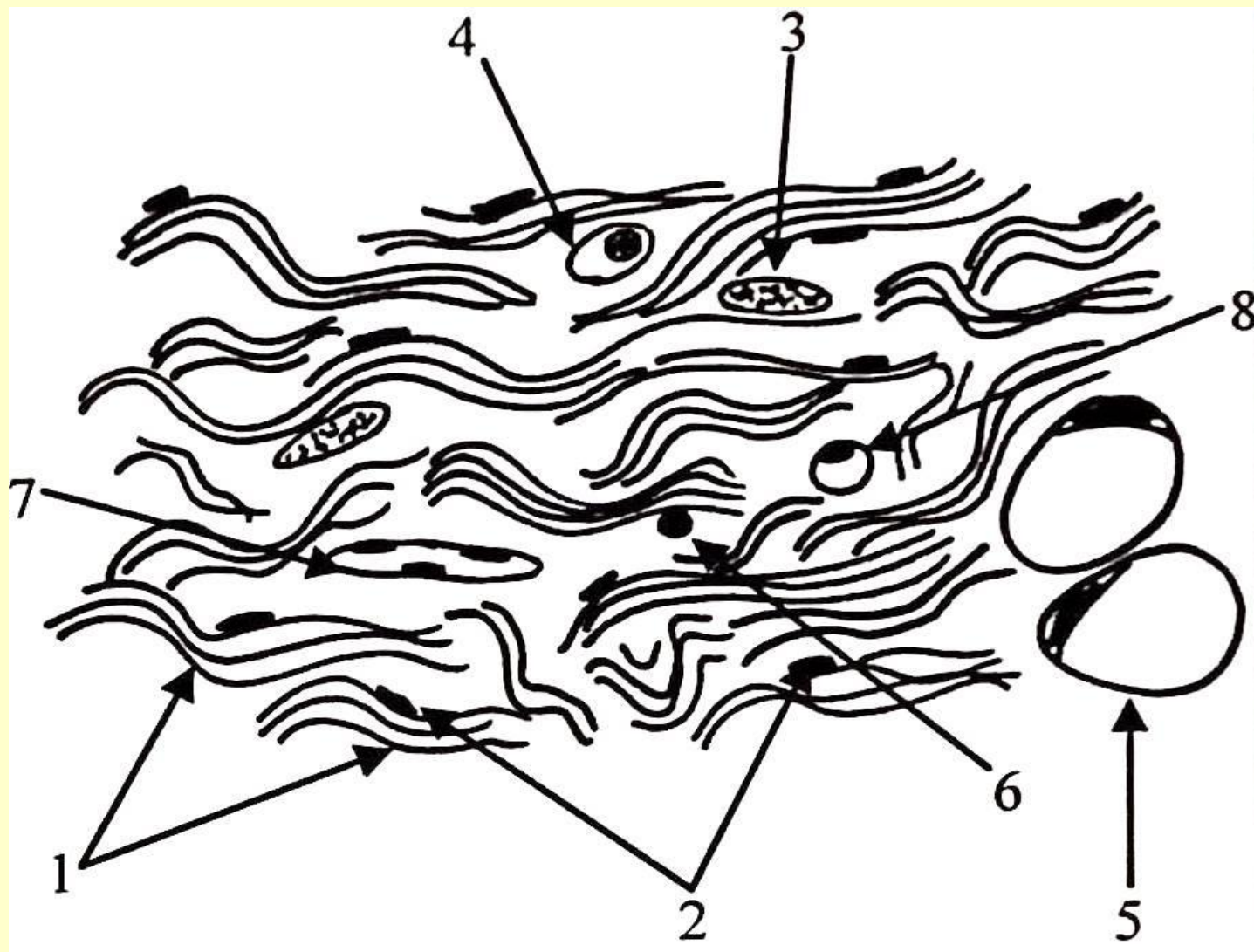
Tesut de granulatie. Coloratie Hematoxilina-Eozina

Tesutul conjunctiv lax

Tesutul conjunctiv lax este alcătuit din **celule conjunctive** (**fibrocite**, macrofage, limfocite, plasmocite, mastocite), **fibre conjunctive** (**colagen**, elastice, reticulina) și **substanta fundamentală semilichidă**. Localizare: corionul mucoasei digestive, respiratorii, genitale, derm papilar, hipoderm, leptomeninge, coroida.

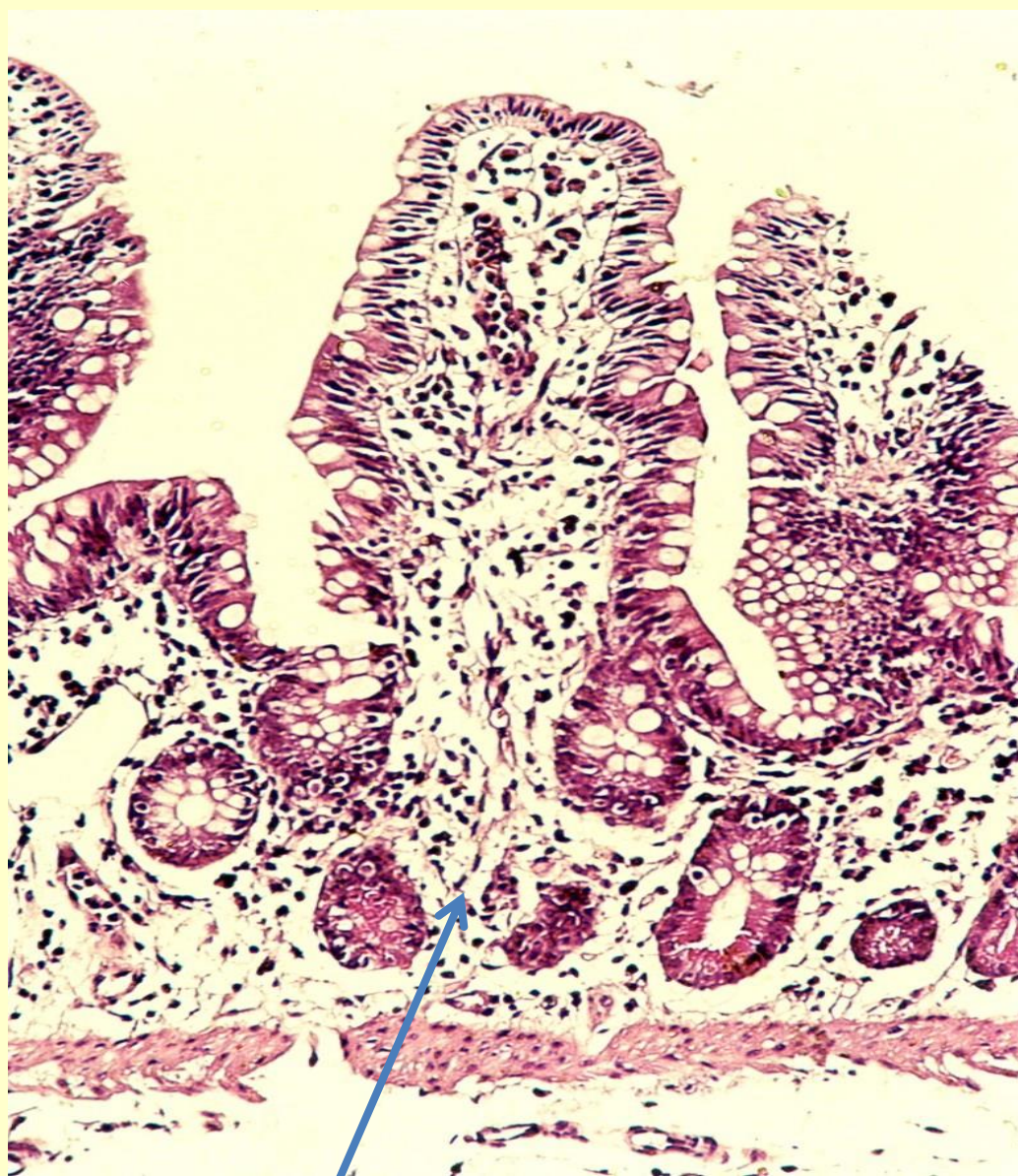


Tesut conjunctiv lax. Derm superficial. Coloratie Hematoxilina-Eozina



Imagine schematica – Tesut conjunctiv lax

1. Fibre de collagen, 2. nucleu de fibrocit, 3. nucleu de fibroblast, 4. plasmocit, 5. adipocit, 6. limfocit, 7. capilar sectionat longitudinal, 8. capilar sectionat transversal.



*Tesut conjunctiv lax. Corion de aparare.
Coloratie Hematoxilina-Eozina.*

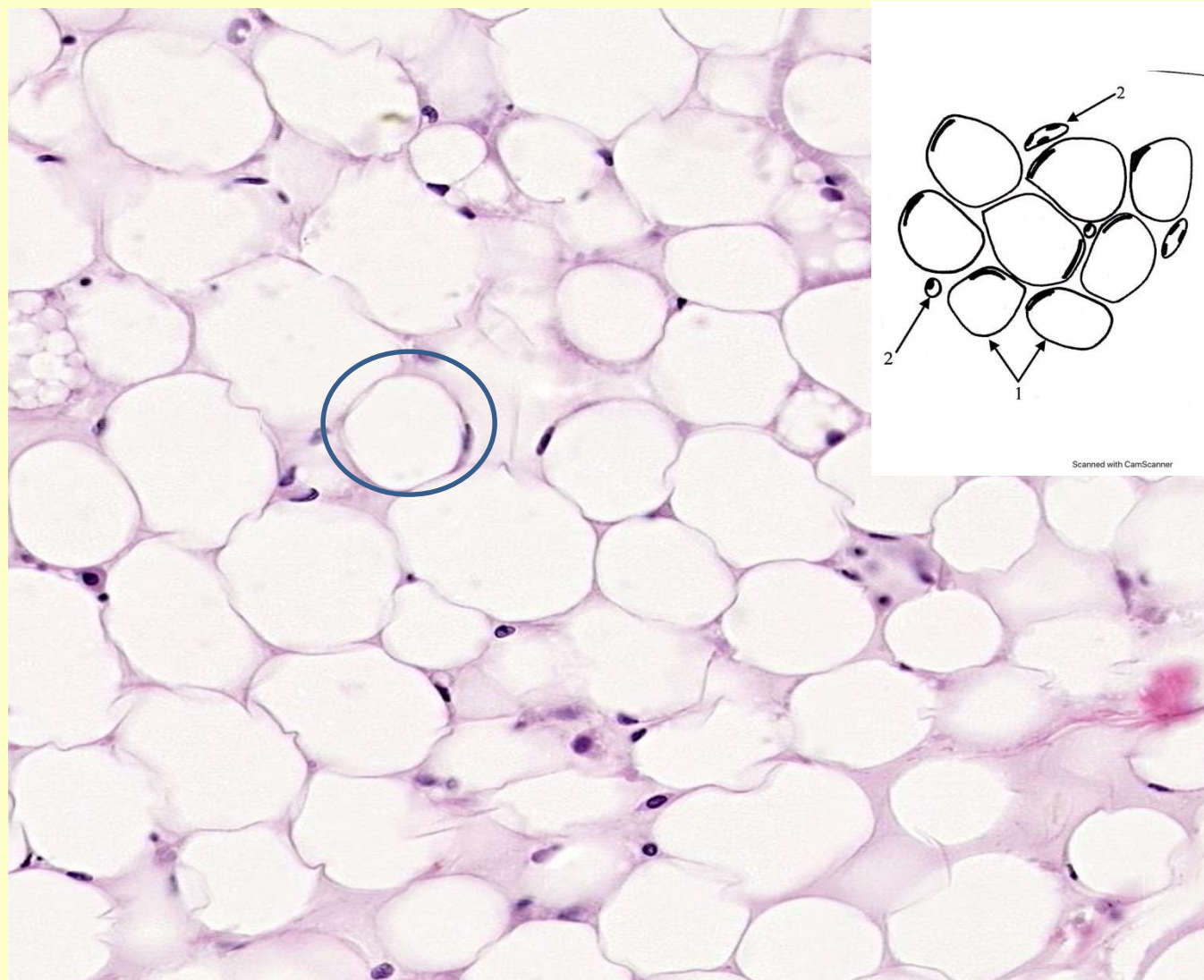


Corion de rezistenta-Vezica urinara. Coloratie Hematoxilina-Eozina

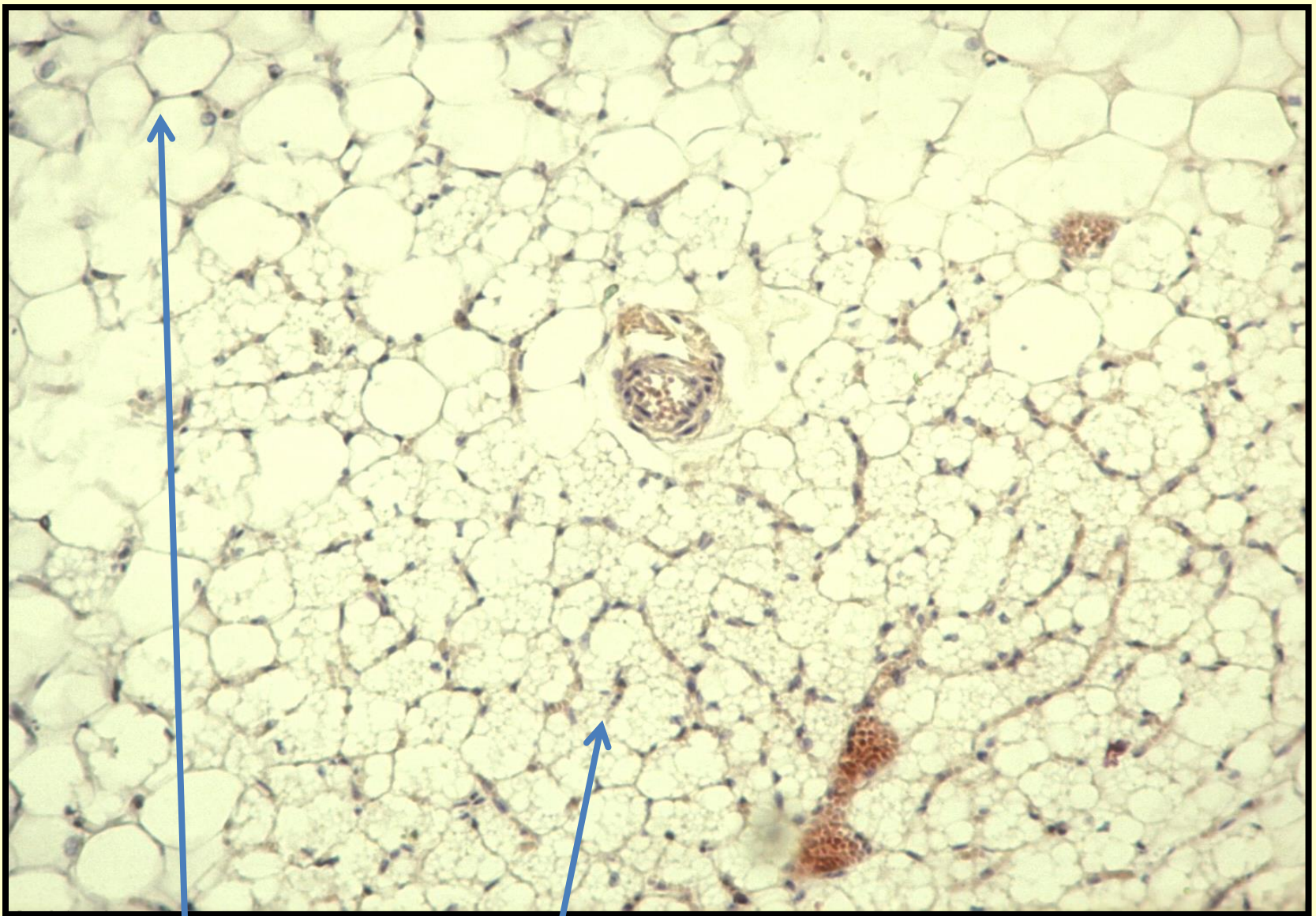
Tesutul adipos unilocular

Tesutul adipos unilocular este caracterizat de **abundenta adipocitelor uniloculare** si matrice intercelulara redusa (substanta fundamentala si fibre conjunctive).

Localizare:
hipoderm, epiplon,
mezenter, axila,
mediastin, spatiul
retroperitoneal si
inghinal, in jurul
unor organe.



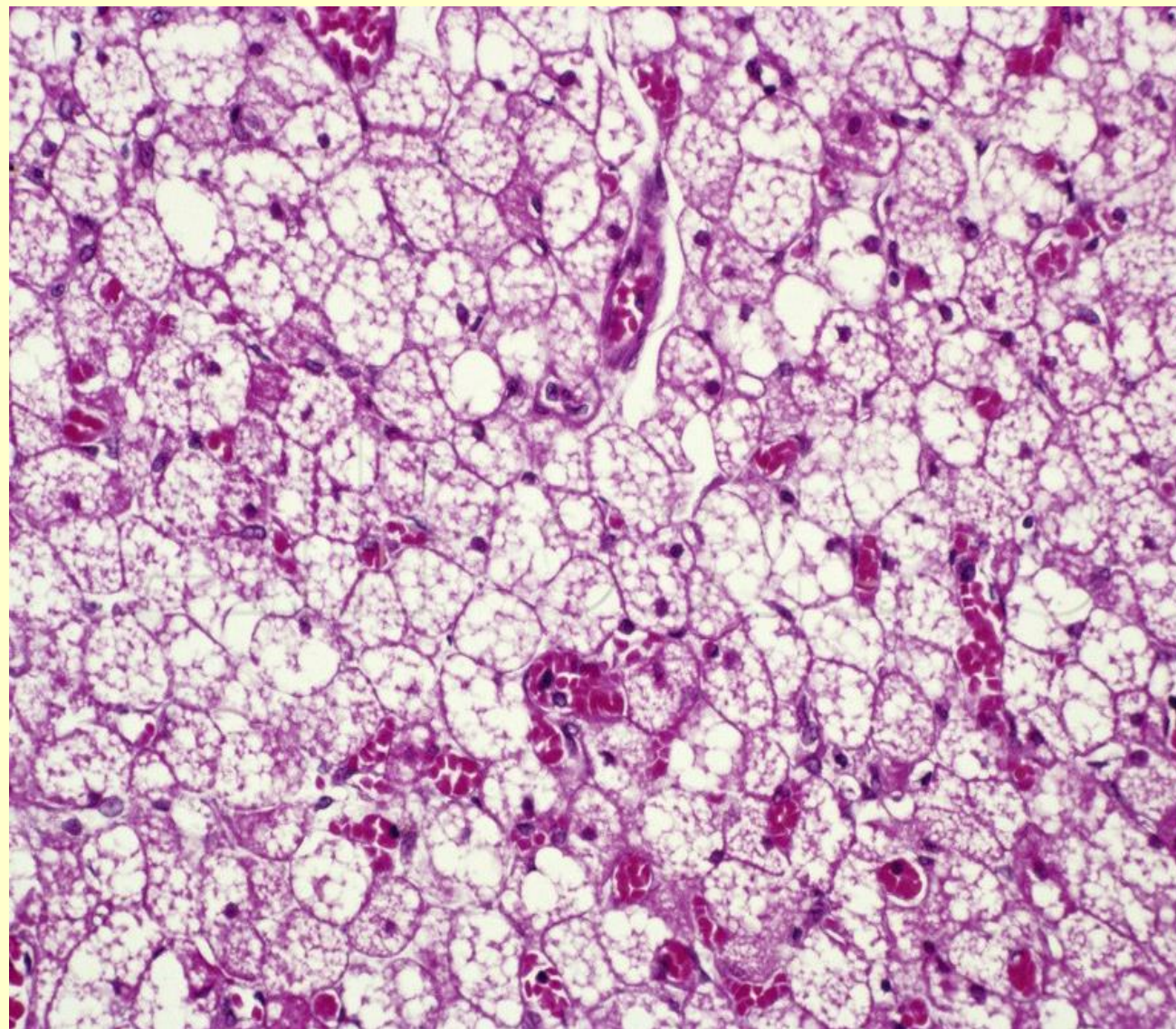
Tesut adipos unilocular. Coloratie Hematoxilina-Eozina



Tesut adipos unilocular si multilocular. Coloratie Hematoxilina-Eozina

Tesutul adipos multilocular

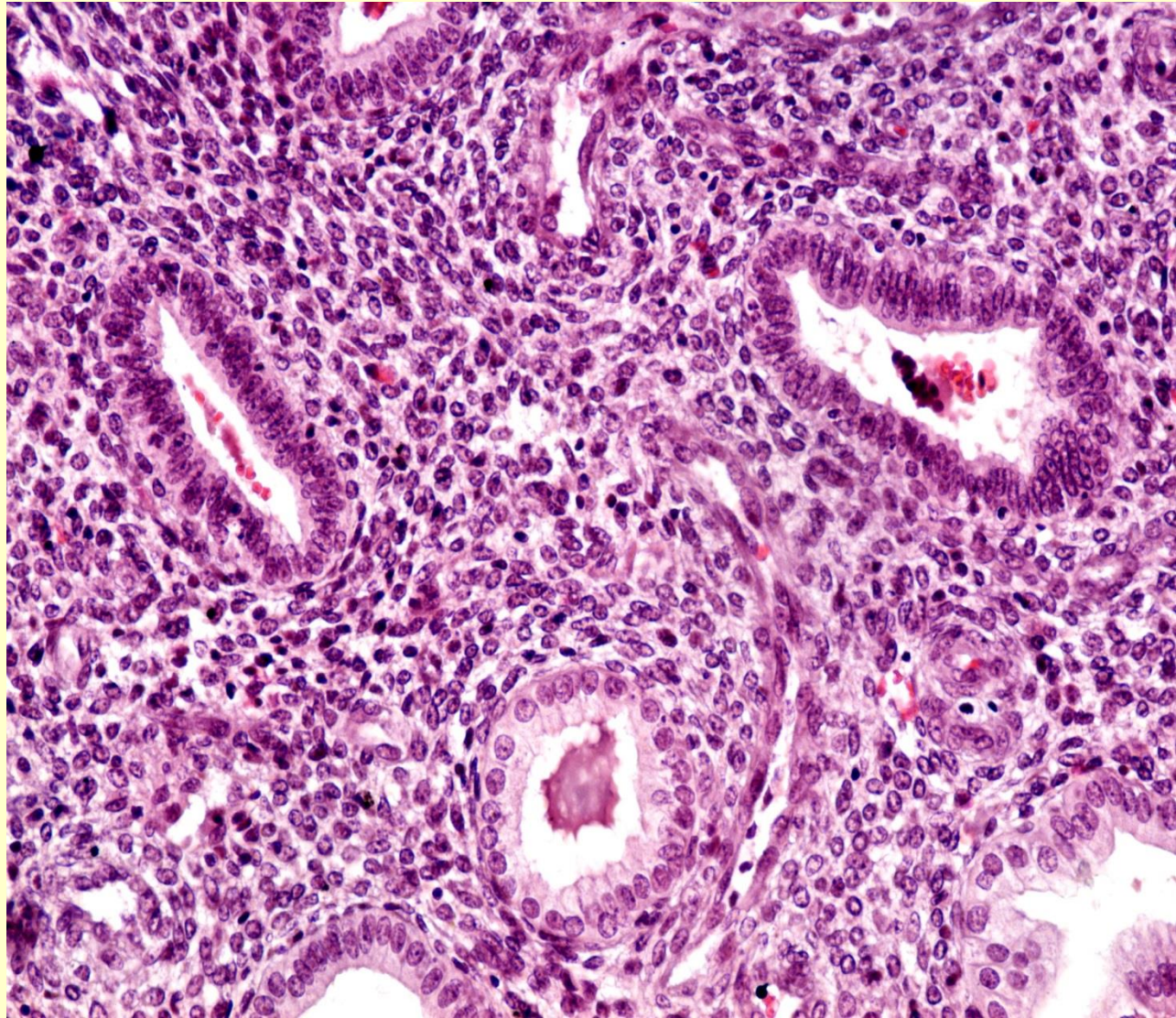
Tesutul adipos brun este alcatuit din gramezi de **adipocite multiloculare** printre care se gaseste **tesut conjunctiv lax**. Localizare: **la fat** (latero-cervical, retroperitoneal, intercostal si perirenal); **la adult** (bula lui Bichat, grasimea perirenala, perisuprarenala, perigenitala, interscapulovertebrala, in epiplon). **Termogeneza** reprezinta functia principala.



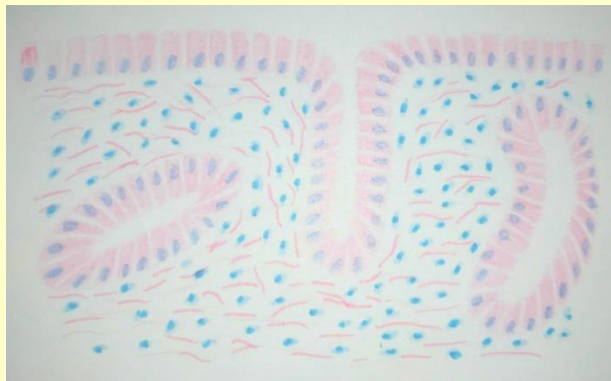
Tesut adipos multilocular. Coloratie Hematoxilina-Eozina

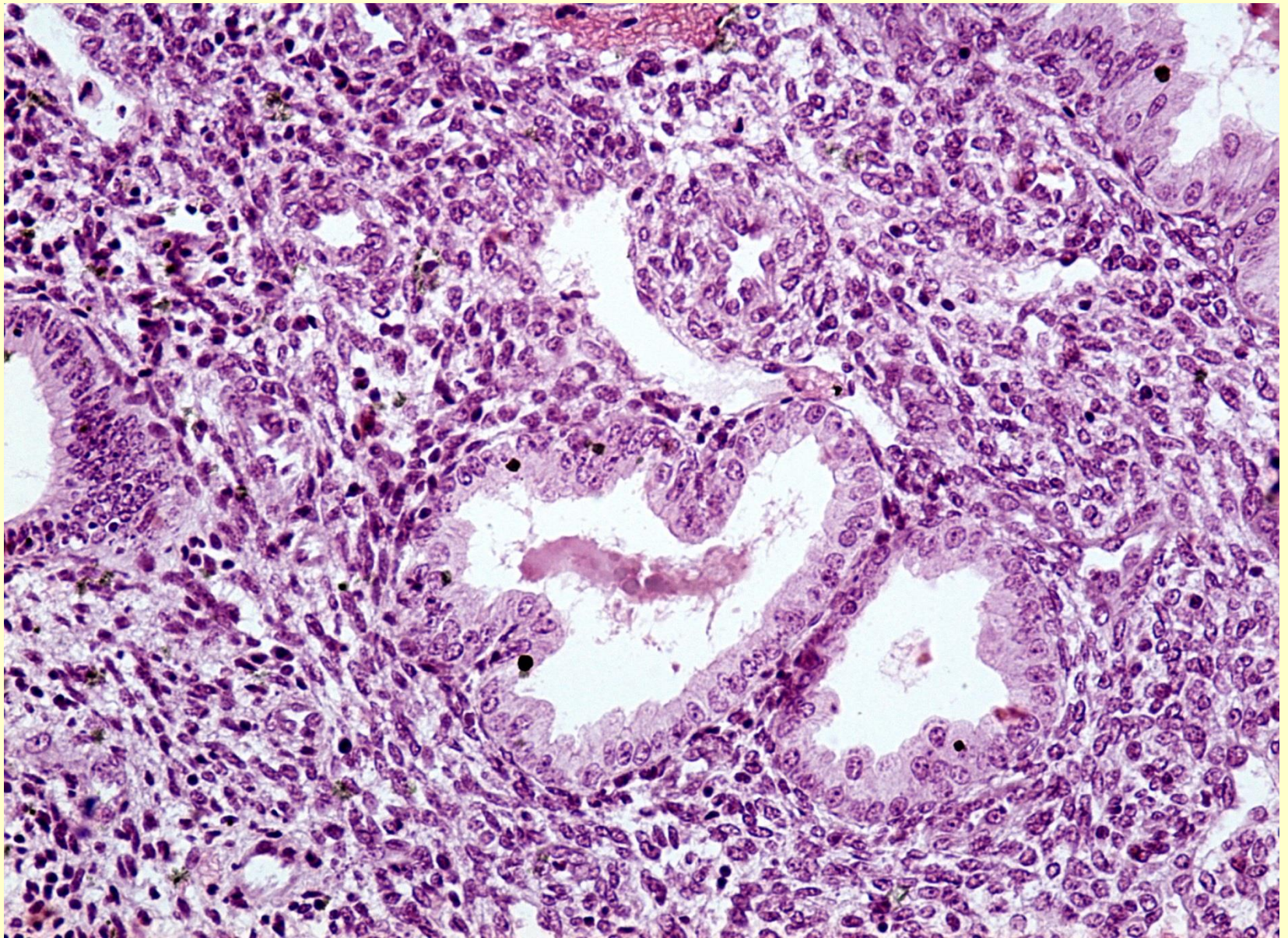
Corionul citogen

Corionul citogen este corionul mucoasei uterine. Este caracterizat de **abundenta fibroblastelor** si o **cantitate redusa de substanta fundamentala si fibre conjunctive**.



Corion citogen-Endometru. Coloratie Hematoxilina-Eozina



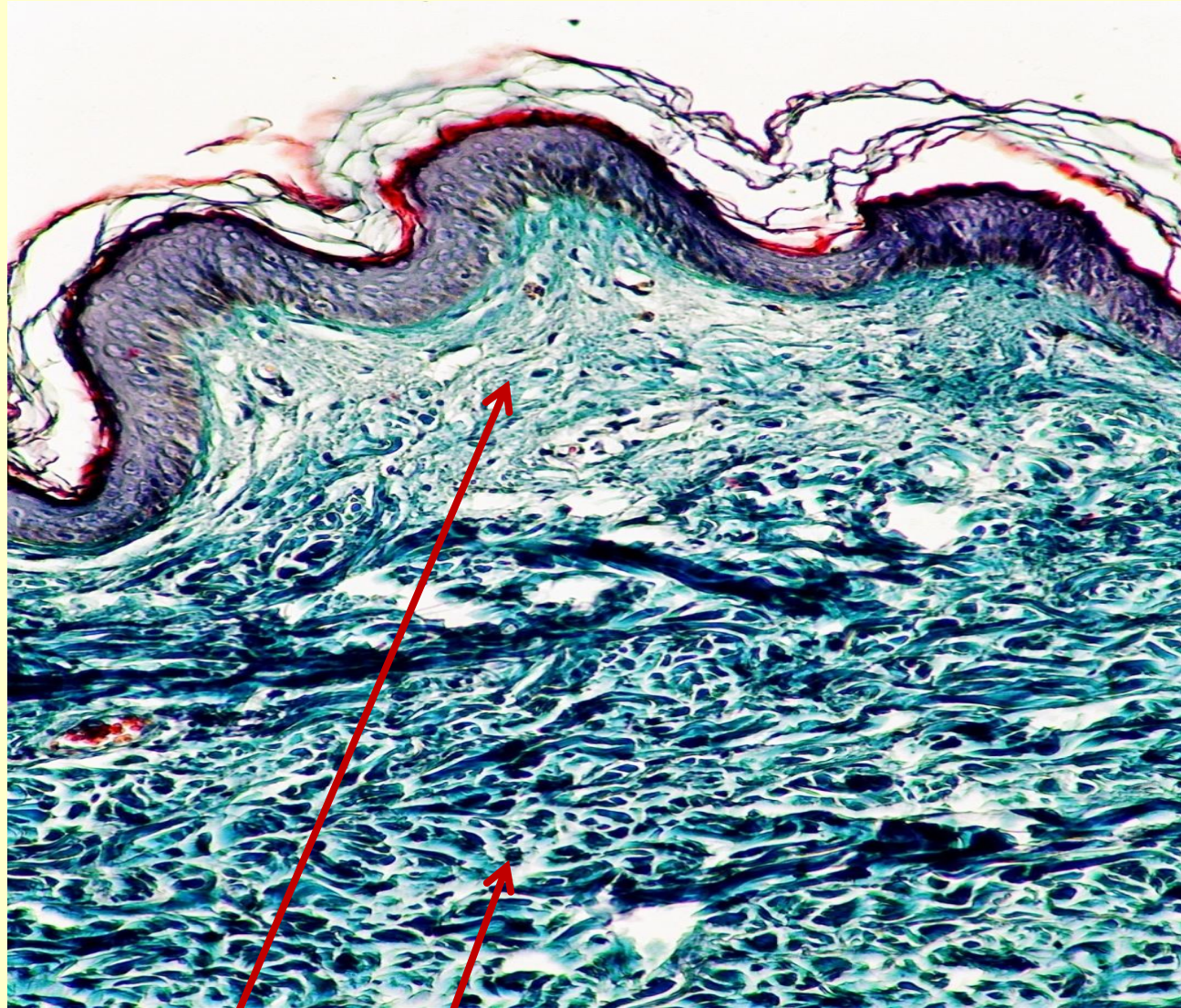


Corion citogen-Endometru. Coloratie Hematoxilina-Eozina

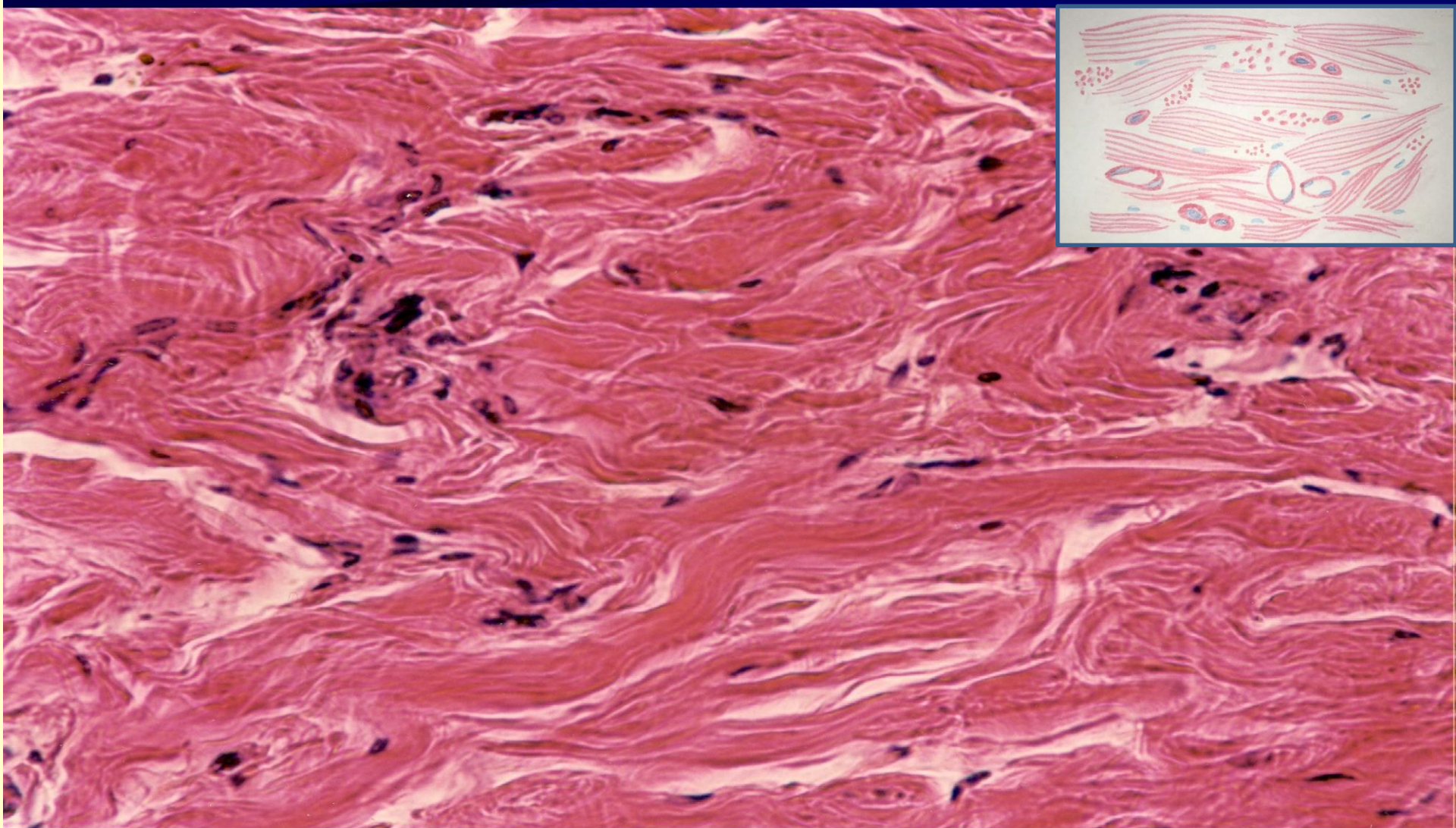
Tesutul conjunctiv dens neordonat

Tesutul conjunctiv dens neordonat este alcatuit din ***fibre (de colagen, elastice, de reticulina)***, ***substanta fundamentala*** si ***celule conjunctive (fibrocite)***.

Localizare: derm, structura unor membrane (pleura, pericard, peritoneu), corionul mucoasei gingivale.

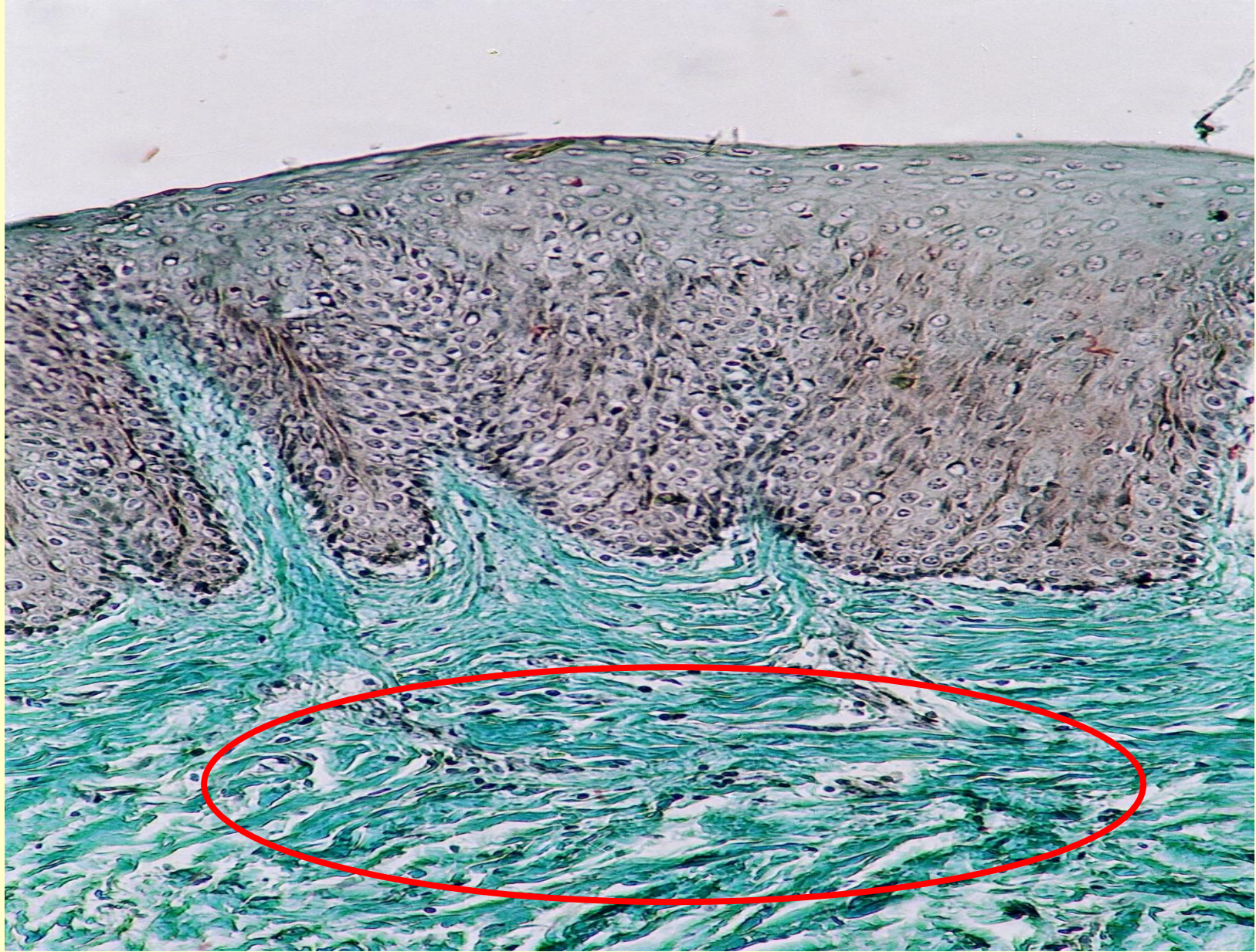


Tesut conjunctiv dens bogat in fibre de colagen. Derm superficial si profund. Coloratie Tricromic GS



Tesut conjunctiv dens bogat in fibre de collagen cu dispunere semiordonata. Derm profund. Coloratie Hematoxilina-Eozina.

Schiță realizată de Dr. Istrate-Ofițeru Anca-Maria

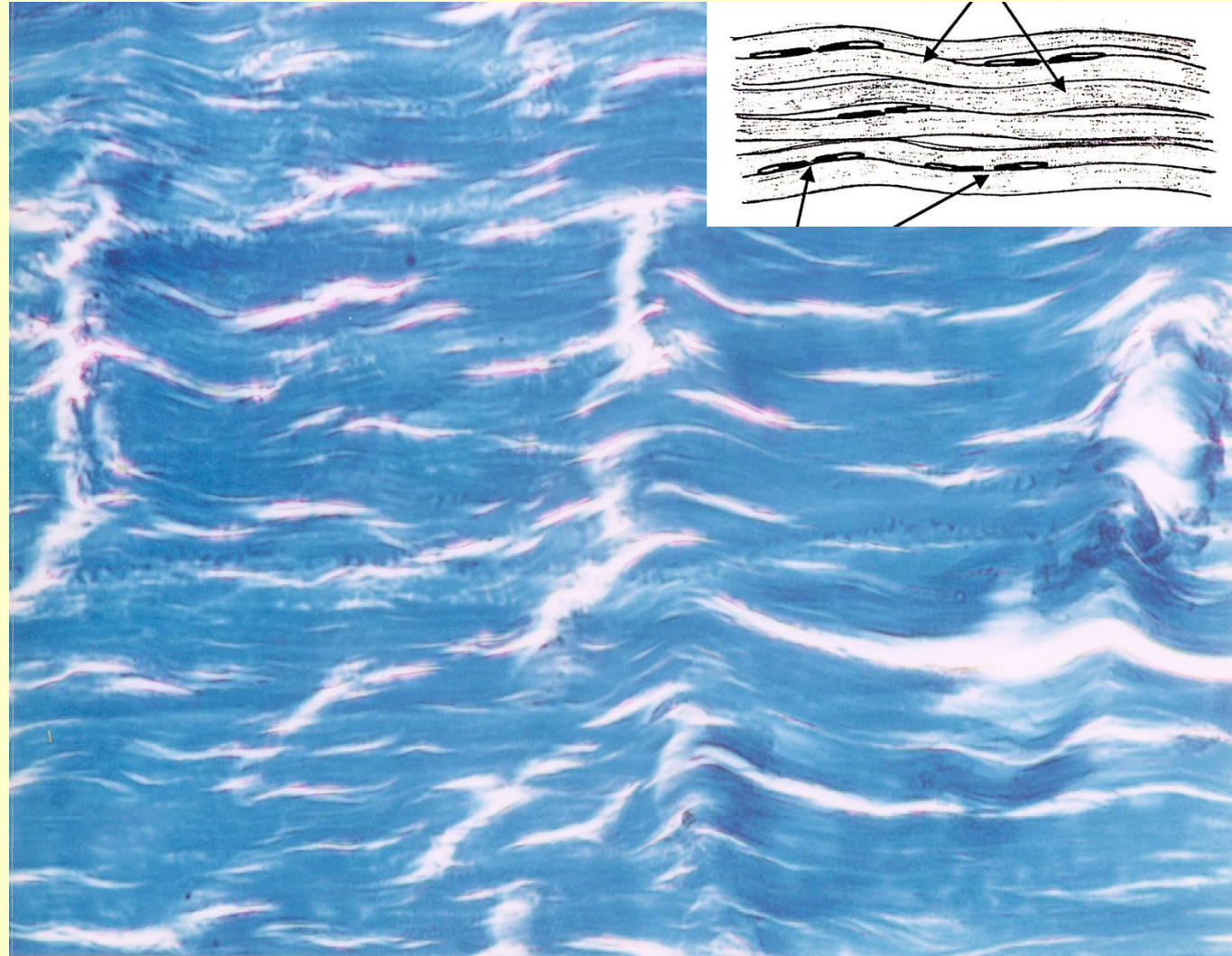


Tesut conjunctiv dens bogat in fibre de collagen cu dispunere neordonata. Mucoasa gingivala. Coloratie Tricromic GS

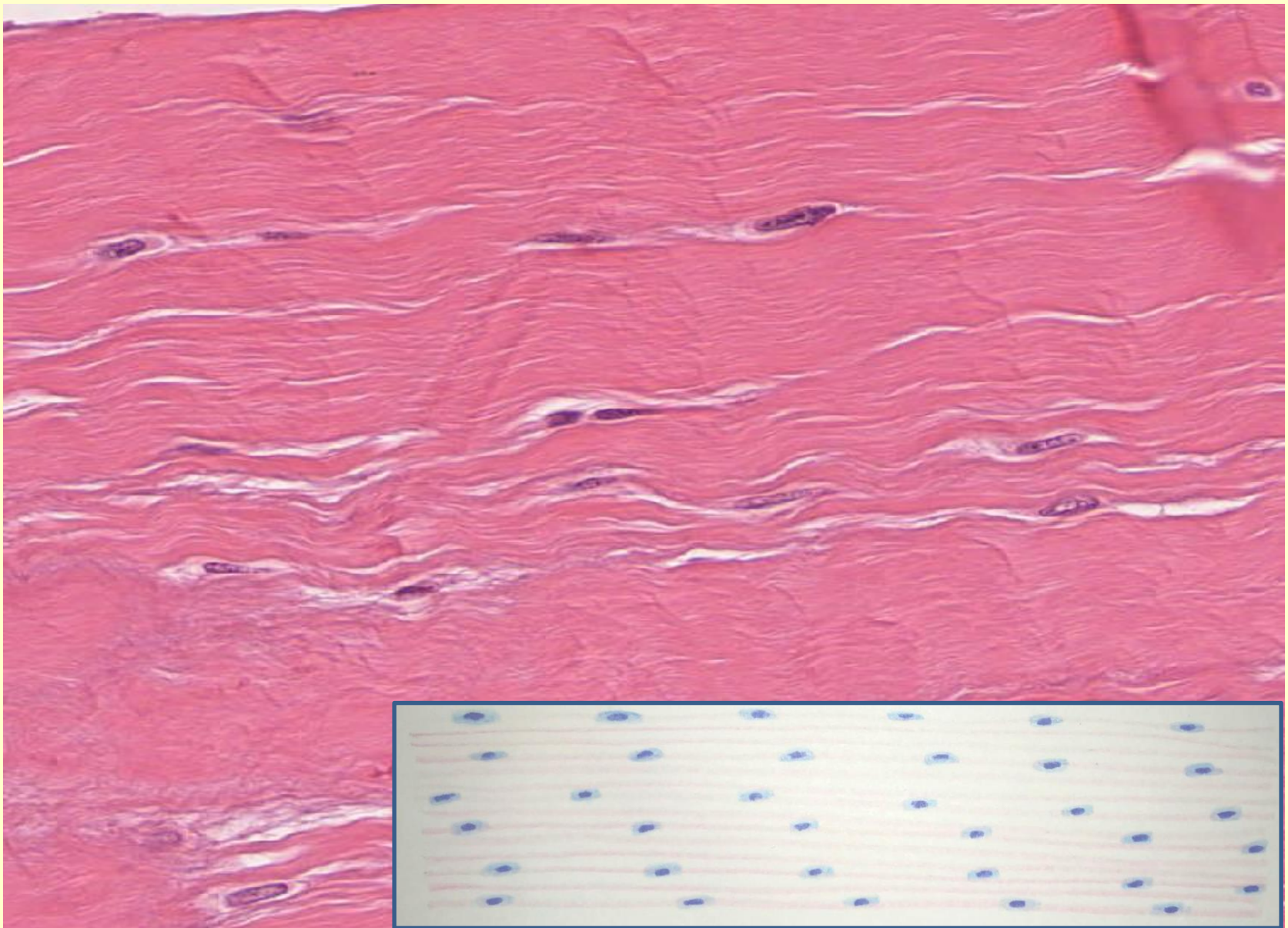
Tesutul conjunctiv dens ordonat

Tesutul conjunctiv dens ordonat se caracterizeaza prin abundenta fibrelor de collagen asociate in fascicule, orientate ordonat; printre acestea se gaseste putin substanta fundamentala si celule conjunctive.

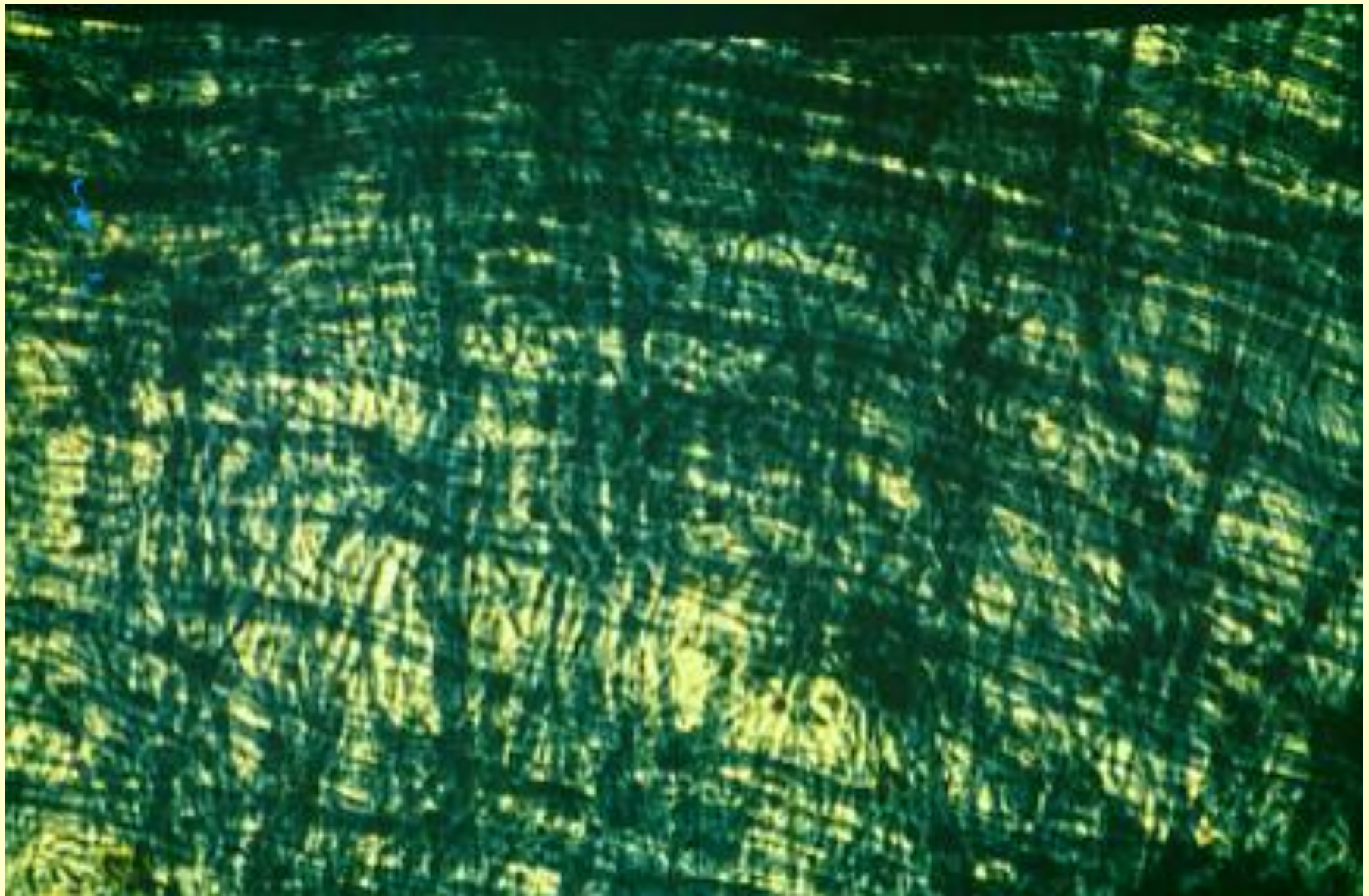
Localizare: tendoane, aponevroze, ligamente, capsulele unor organe, sclerotica, dura-mater.



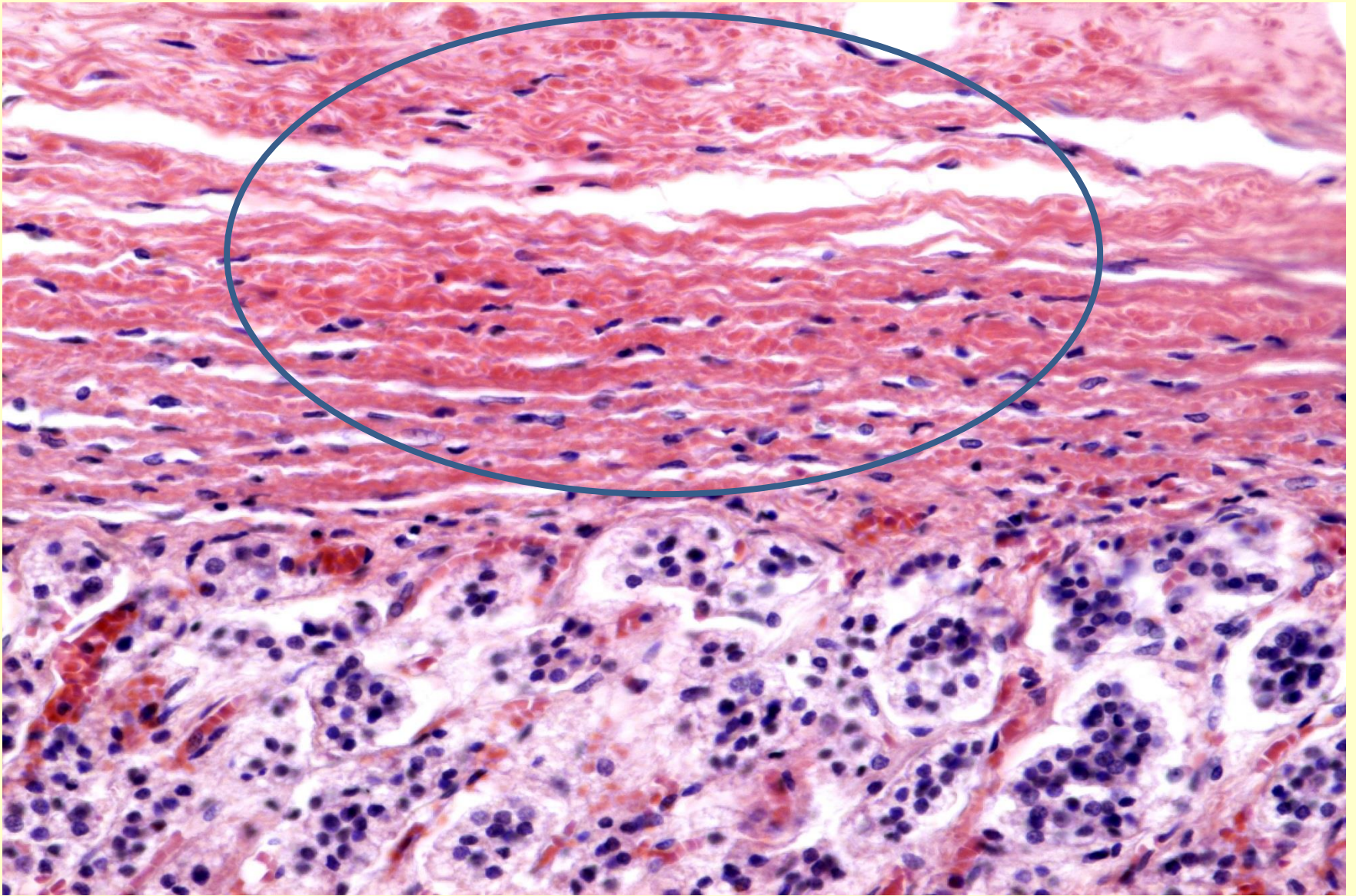
*Tesut conjunctiv dens ordonat bogat in fibre de collagen.
Tendon. Coloratie Tricromic Masson*



***Tesut conjunctiv dens ordonat bogat in fibre de colagen. Tendon.
Coloratie Hematoxilina-Eozina***



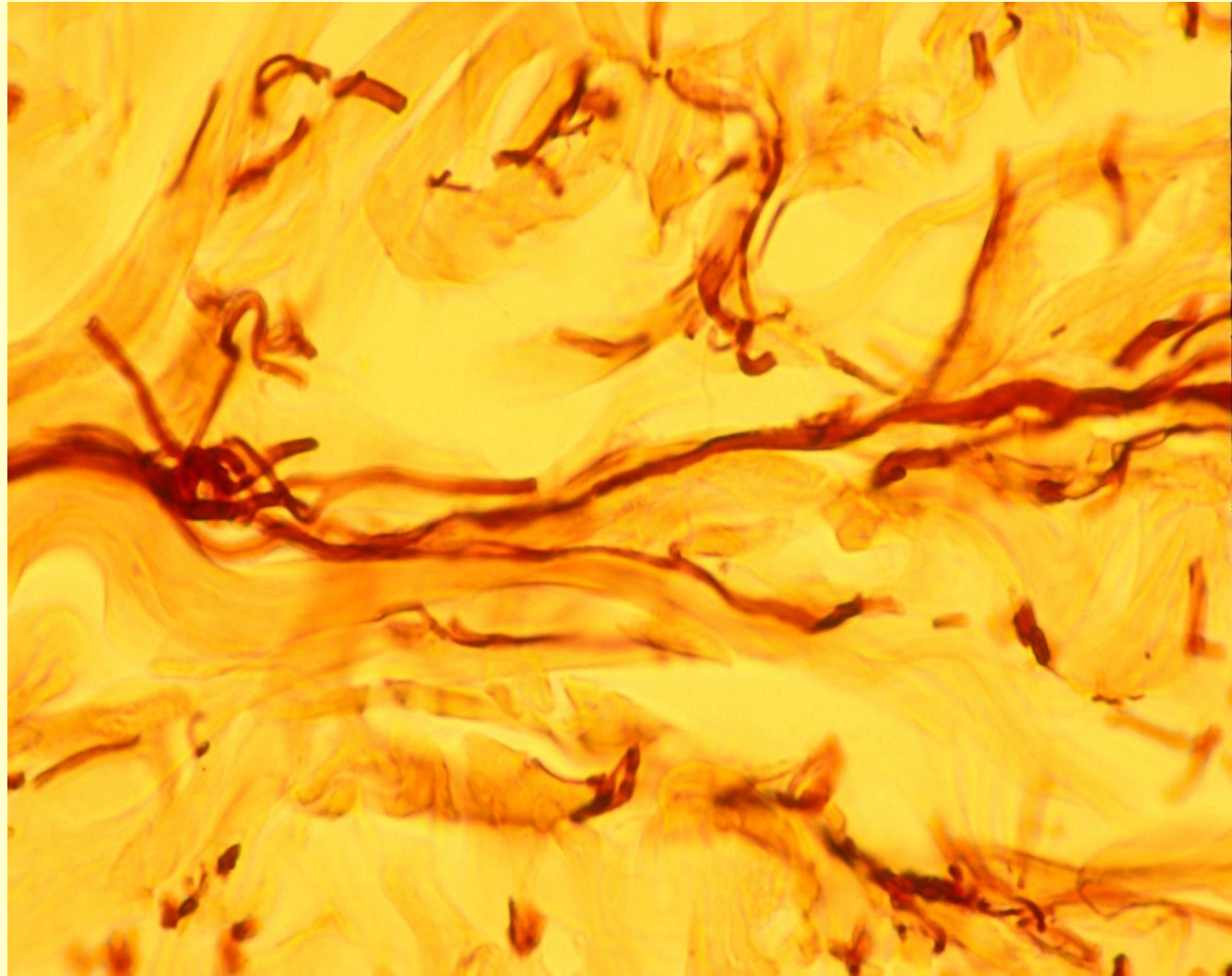
Tesut conjunctiv dens ordonat bogat in fibre de colagen. Aponevroza. Coloratie Tricromic GS



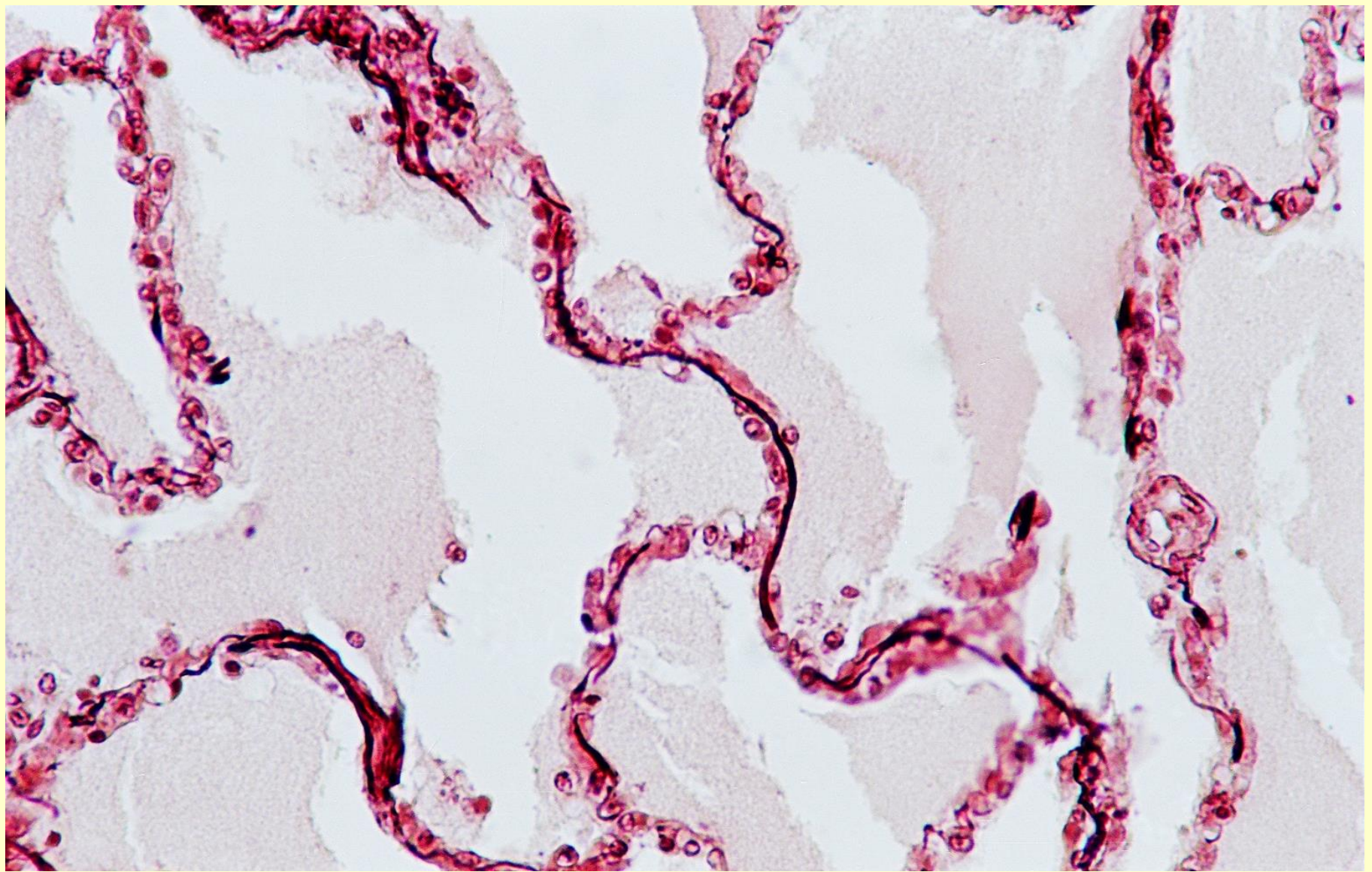
Tesut conjunctiv dens ordonat bogat in fibre de collagen. Capsula glanda suprarenala. Coloratie Hematoxilina-Eozina

Tesutul elastic neordonat

Tesutul elastic neordonat este alcatuit predominant din ***fibre elastice*** subtiri dispuse in diferite directii, fine fibre de collagen si reticulina, ***celule conjunctive si substanta fundamentala in cantitate redusa***.
Localizare: stroma pulmonara, corzile vocale inferioare, ligamente intervertebrale, ligamentul suspensor al penisului, derm.



Tesut elastic neordonat. Derm. Coloratie Orceina

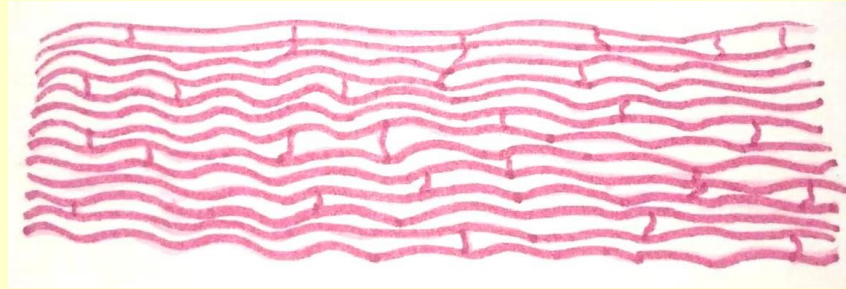


Tesut elastic neordonat. Stroma pulmonara. Coloratie Orceina

Tesut elastic lamelar

Tesutul elastic lamelar este alcatuit din **numeroase fibre elastice dispuse in lamele concentrice groase**; printre acestea se gasesc **fibre de colagen subtiri, fibrocite, fibre musculare netede si putina substanta fundamentala**.

Localizare: tunica medie a vaselor mari de la baza cordului, limitanta elastica din peretele vaselor de sange de tip muscular.

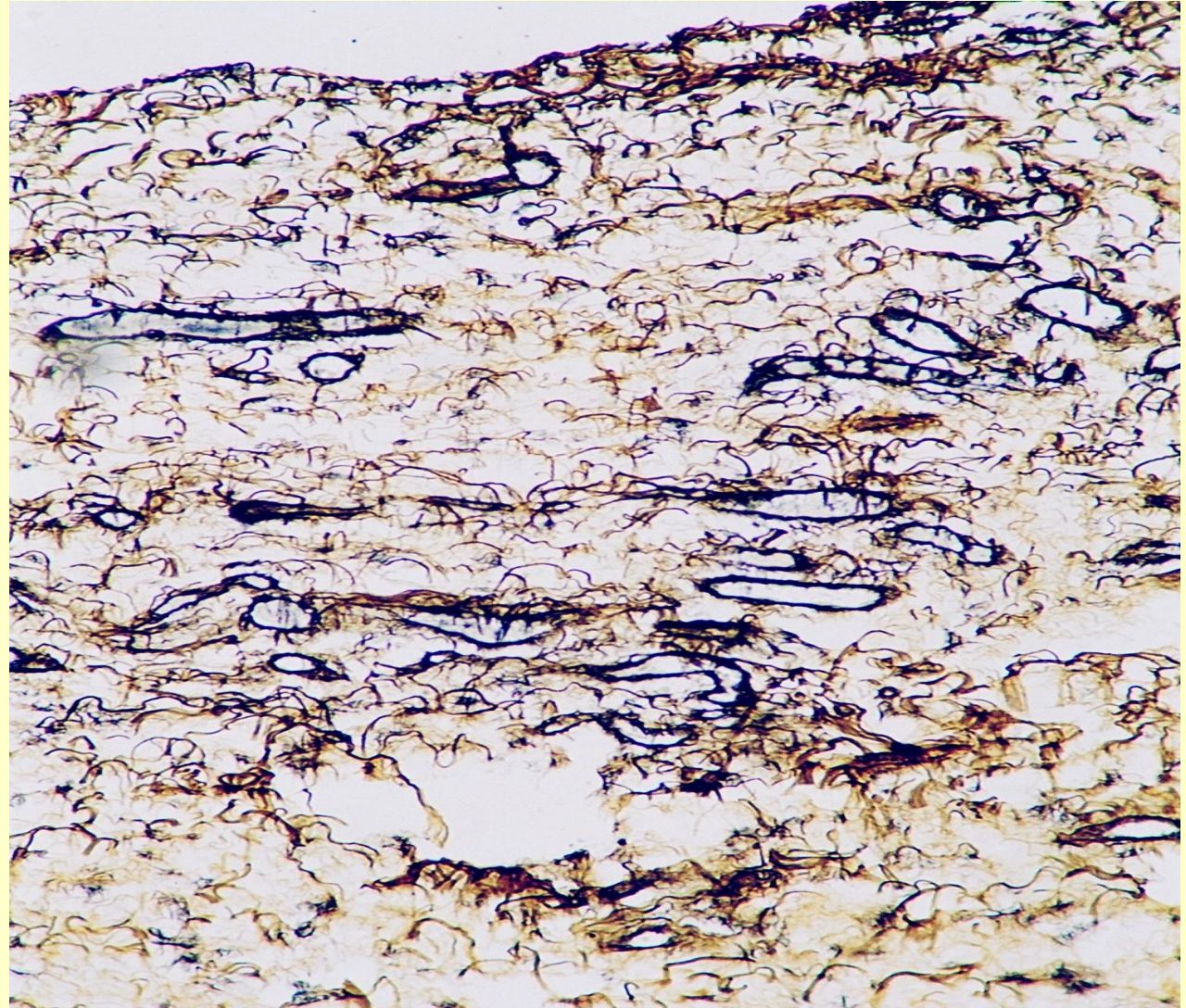


Tesut elastic lamelar. Aorta. Coloratie Orceina

Tesutul reticular lamelar

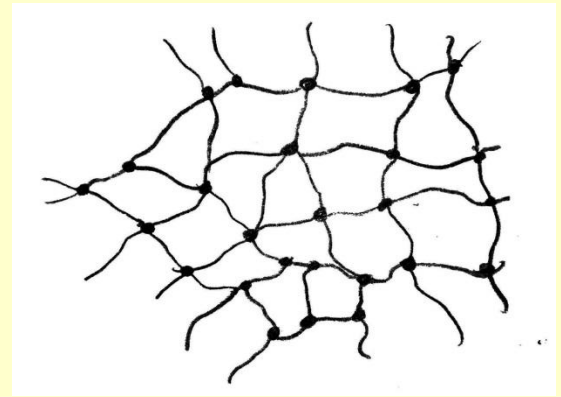
Tesutul reticular lamelar este format din *fibre fine de reticulina* care se impletesc si *se dispun intr-un singur plan*.

Localizare:
structura
membranelor bazale
ale epiteliilor de
acoperire,
glandilema,
sarcolema.

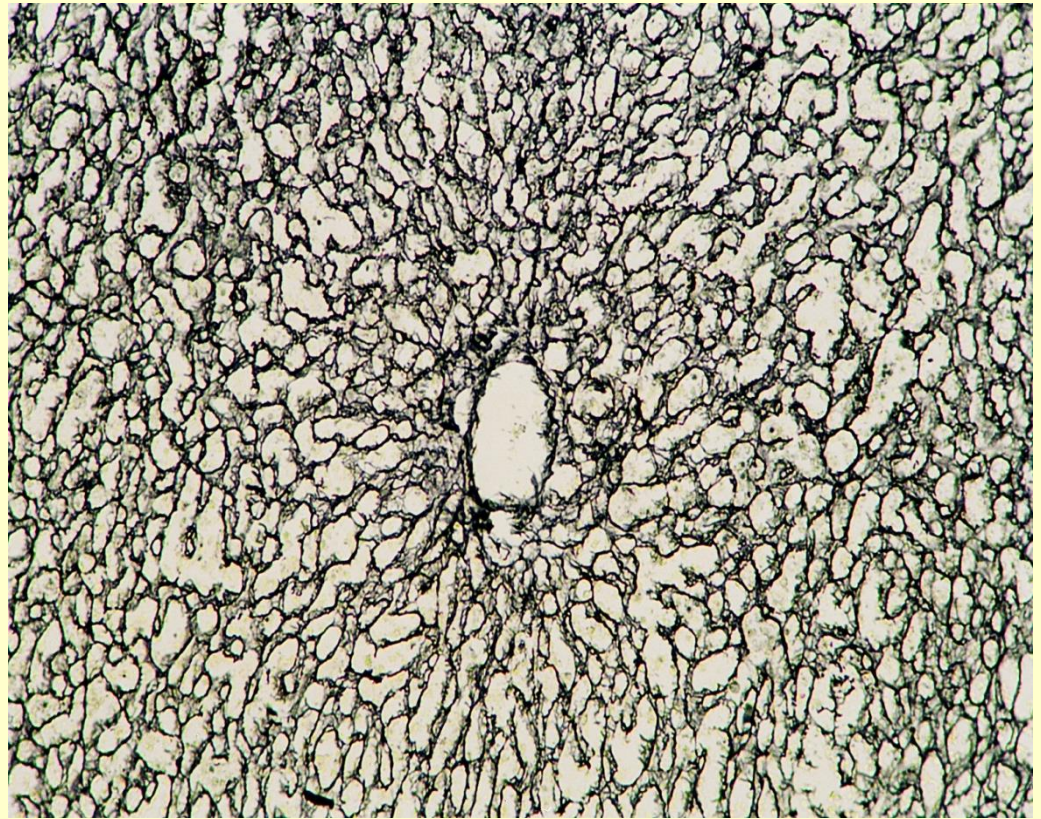


*Tesut reticular lamelar. Coloratie Impregnatie
Argentica*

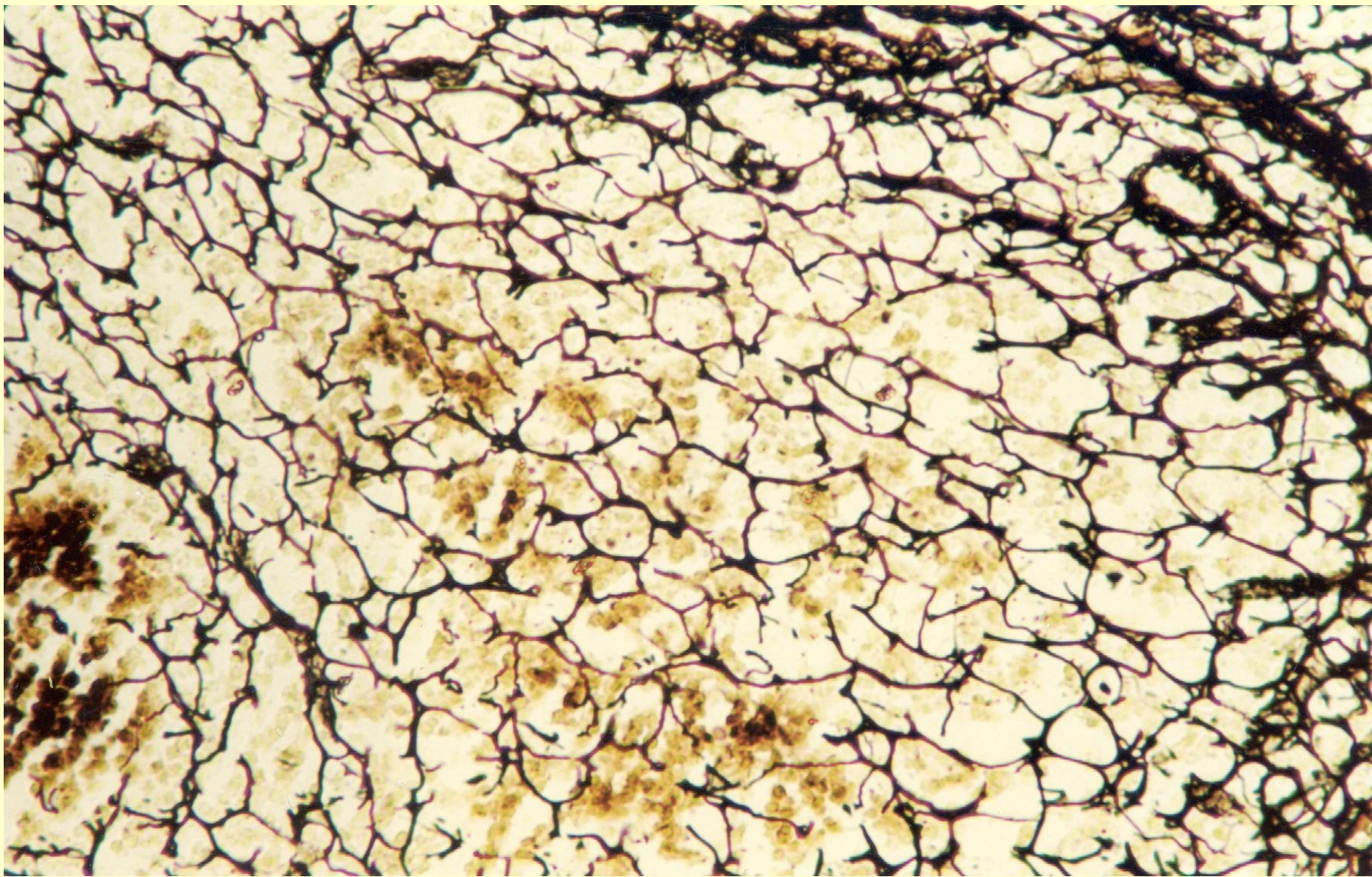
Tesut reticular spongios



Tesutul reticular spongios este alcatuit predominant din *fibre de reticulina anastomozate dispuse in toate sensurile*. Printre acestea se gasesc *celule reticulare, fibroblaste, fibre de collagen si substanta fundamentala*.



Tesut reticular spongios. Stroma hepatica. Coloratie Impregnatie Argintica.



Tesut reticular spongios. Stroma de ganglion limfatic. Coloratie Impregnatie Argentica

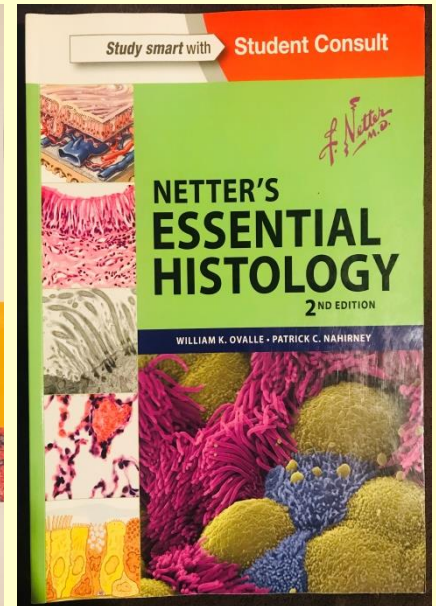
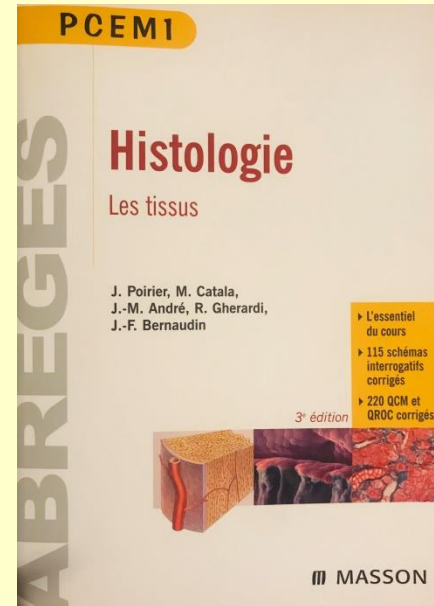
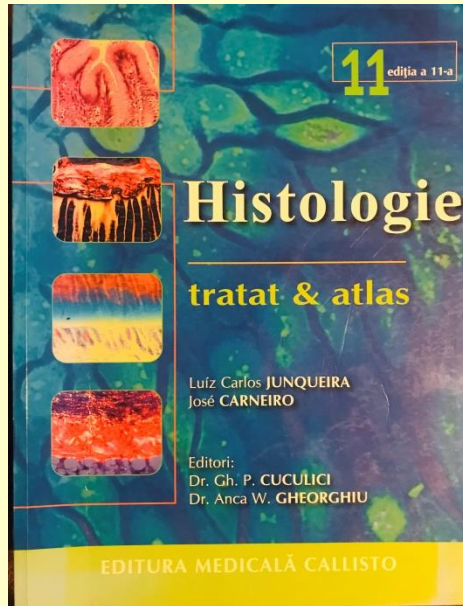
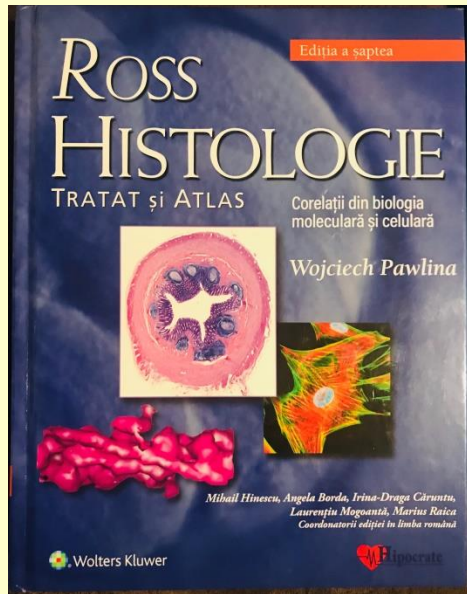
Preparate demonstrative

1. Corion de aparare. Mucoasa intestinala. Coloratie Hematoxilina-Eozina
2. Tesut conjunctiv dens ordonat. Capsula glanda suprarenala. Coloratie Hematoxilina-Eozina.
3. Tesut conjunctiv gras. Coloratie Hematoxilina-Eozina.
4. Tesut conjunctiv dens neordonat. Corion de rezistenta. Vezica urinara. Coloratie Hematoxilina-Eozina.
5. Tesut elastic neordonat. Plaman. Coloratie Orceina.
6. Tesut conjunctiv reticular lamelar. Membrane bazale. Coloratie Impregnatie Argentica.
7. Tesut conjunctiv lax. Derm superficial. Coloratie hematoxilina-Eozina.

Preparate de desenat

1. Tesut conjunctiv dens ordonat. Tendon. Coloratie Hematoxilina-Eozina.
2. Tesut conjunctiv semiordonat. Derm profund. Coloratie Hematoxilina-Eozina.
3. Tesut reticular spongios. Splina. Coloratie Impregnatie Argintica.
4. Tesut conjunctiv elastic-lamelar. Tunica medie de Aorta. Coloratie Orceina.

Bibliografie suplimentara



<http://86.122.148.72/virtual-histology/html/caskviewer.html>