



ATLAS VIRTUAL DE HISTOLOGIA HUMANA

ISBN 978-987-05-5029-7

Samar, Avila, Lucero

Tejidos y sistemas

Samar ME, Avila RE, Lucero R

Cátedra A de Histología y Embriología. Facultad de Odontología. II
Cátedra de Biología Celular, Histología y Embriología. Facultad de Ciencias
Médicas. Universidad Nacional de Córdoba. Córdoba. ARGENTINA.

Coautores: Pons P, Zárate AM, Brunotto M

ISBN 978-987-05-5029-7

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Las imágenes
pertenecen a los autores.
Algunas fueron
tomadas de los Atlas virtuales

- 1- Histología: Biología celular y tejidos. Samar M.E., Avila R., Pons P. y col.
2003. ISBN 987-43-6782-2
- 2- Anatomía, histología y embriología del diente humano. Samar M.E., Avila R., Zarate A.M., Brunotto M., y col.
2004. ISBN 987-43-7593-0
- 3- Anatomía, embriología e histología oral. Samar M.E., Avila R., Bozzatello J., Zarate A.M., Brunotto M., y col.
2005. ISBN 987-05-0141-9

ISBN 978-987-05-5029-7

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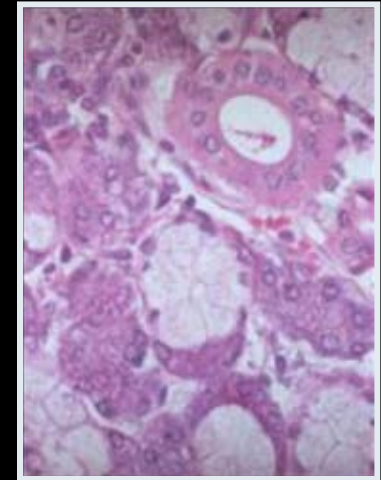
TEJIDOS

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Tejido epitelial

Extendido de mucosa bucal.
Azul de metileno



Submandibular. Serocitos
y mucocitos. H/E.

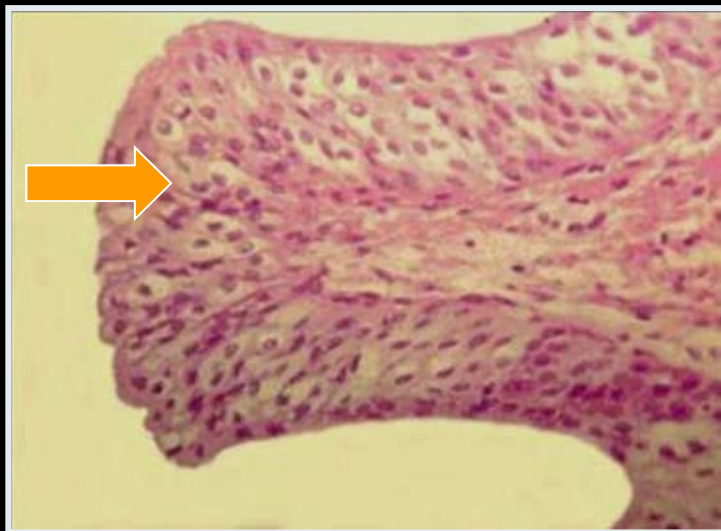


Intestino grueso.
Glándulas. H/E

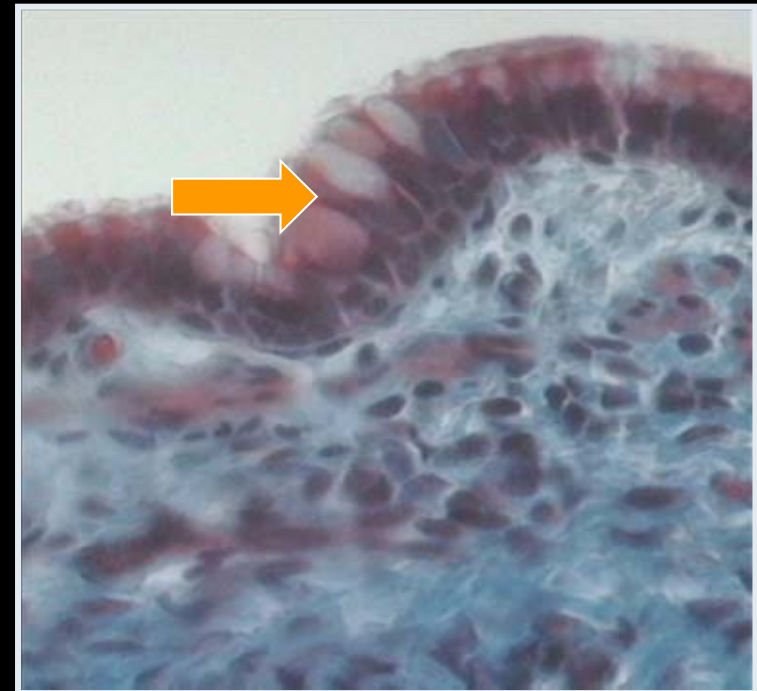
Tejido epitelial



**Piel. Epitelio
escamoso estratificado cornificado
H/E**



**Uréter.
Urotelio.
H/E**



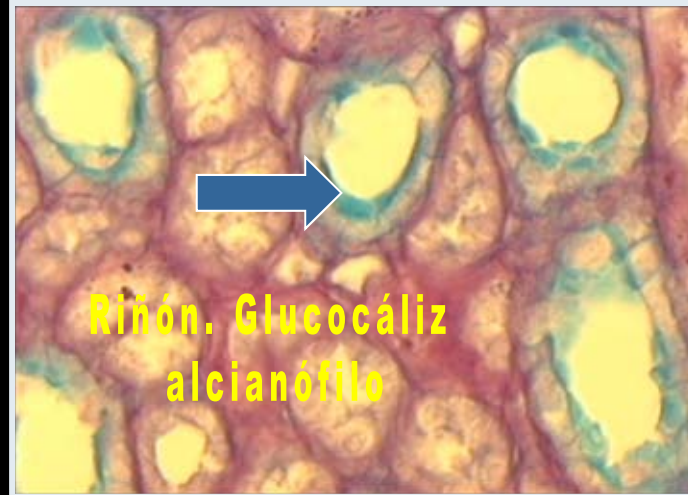
**Bronquio. Epitelio columnar
simple pseudoestratificado ciliado
con exocrinocitos caliciformes.
H/E**

Tejido epitelial

Riñón. Glucocáliz
PAS positivo



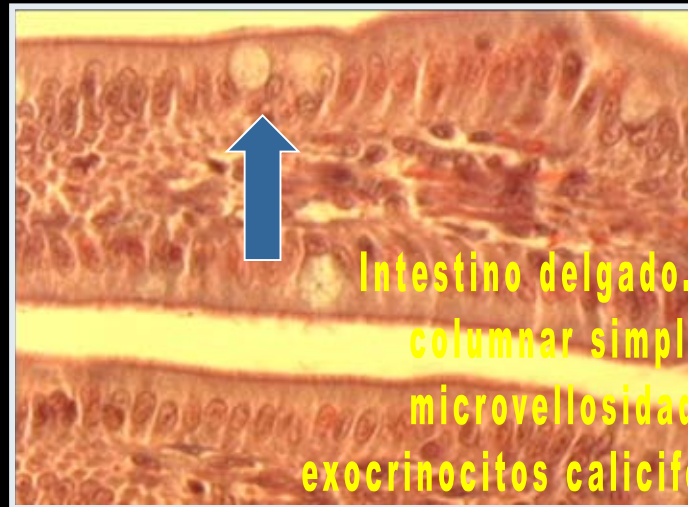
Riñón. Glucocáliz
alcianófilo



Riñón. Epitelios escamoso
y cuboideo simples
H/E



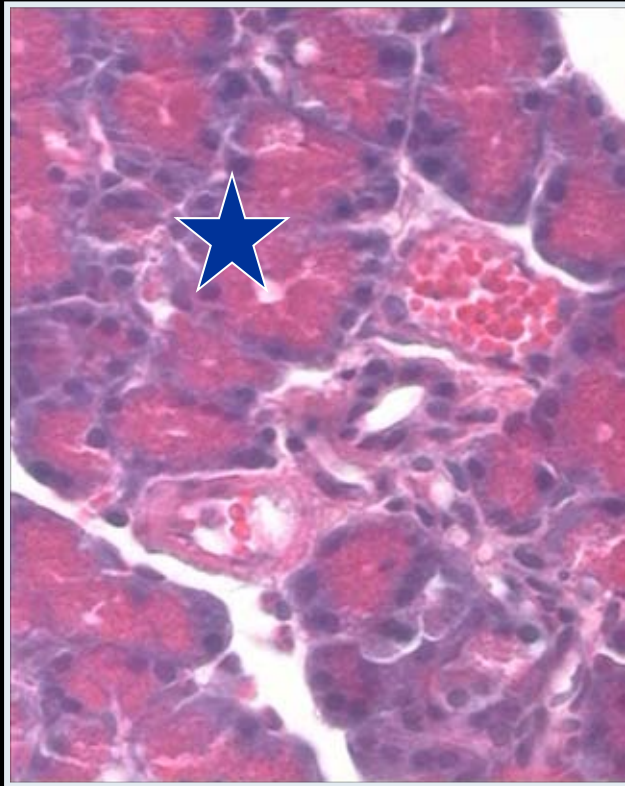
Intestino delgado. Epitelio
columnar simple con
microvellosidades y
exocrinos caliciformes. H/E.



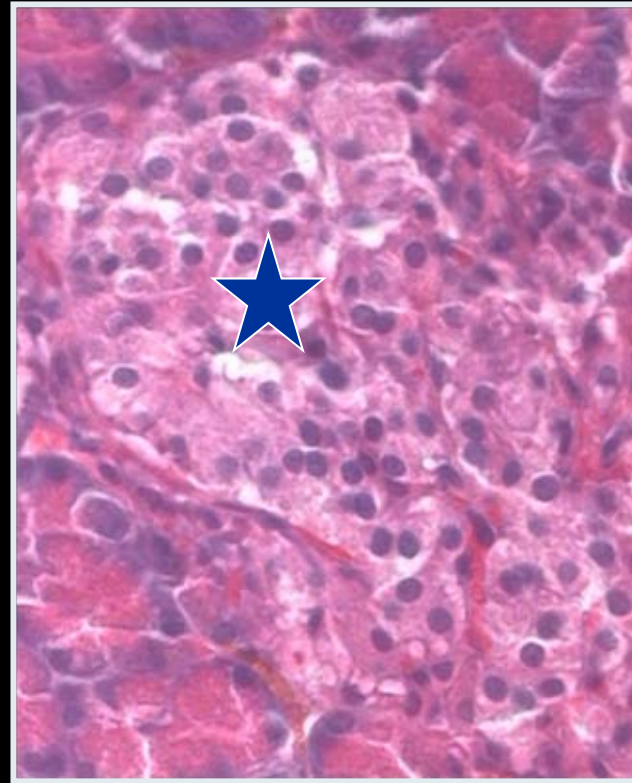
Tejido epitelial

Pâncreas

H/E

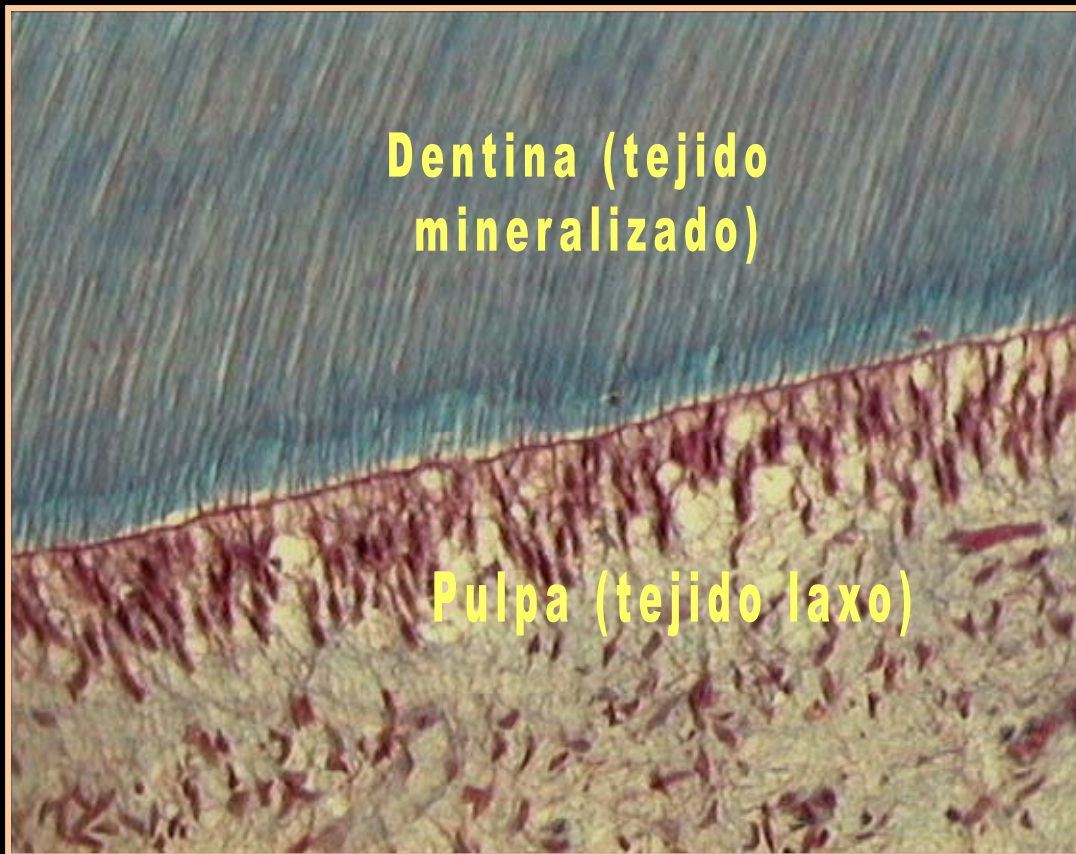


Porción exocrina (acinos)



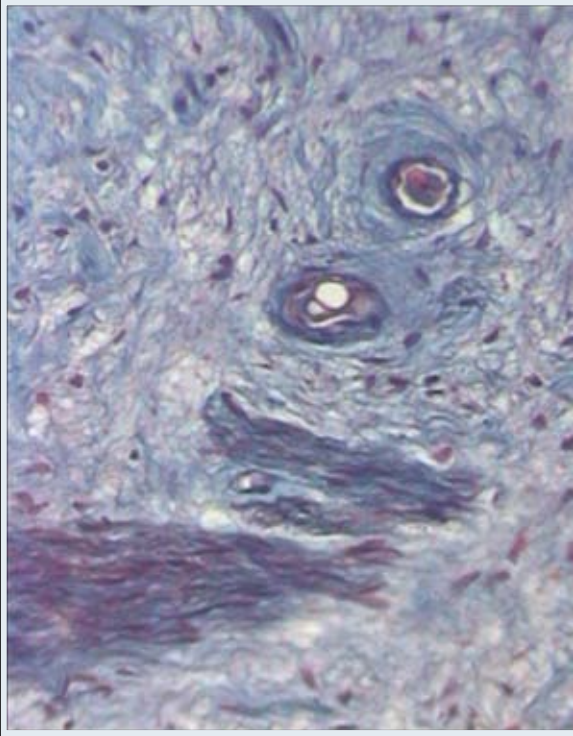
Porción endocrina (islotes)

Tejido conectivo



Diente por
descalcificación.
Tricrómico de
Masson

Tejido conectivo



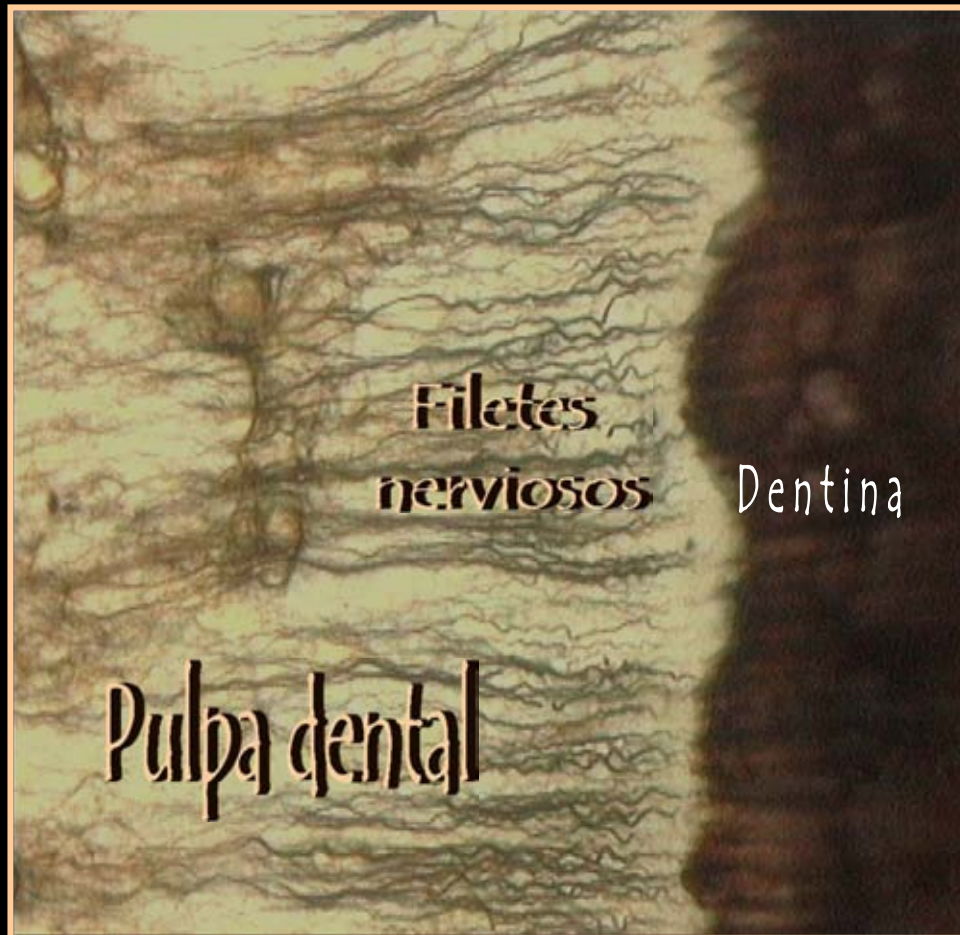
Pulpa: Tejido
conectivo
laxo.

Tricrômico de Masson



Dentina: Tejido conectivo
mineralizado. Tricrômico
de Masson

Tejido conectivo



Impregnación argéntica
Diente por descalcificación

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Tejido conectivo





Mastocitos. H/E

Tejido conectivo



**Adipocitos
H/E**



**Mastocitos
Azul de toluidina**

Tejido cartilaginoso

Cartílago hialino
H/E



Cartílago hialino
Azul de toluidina



Cartílago elástico
Orceína/verde luz



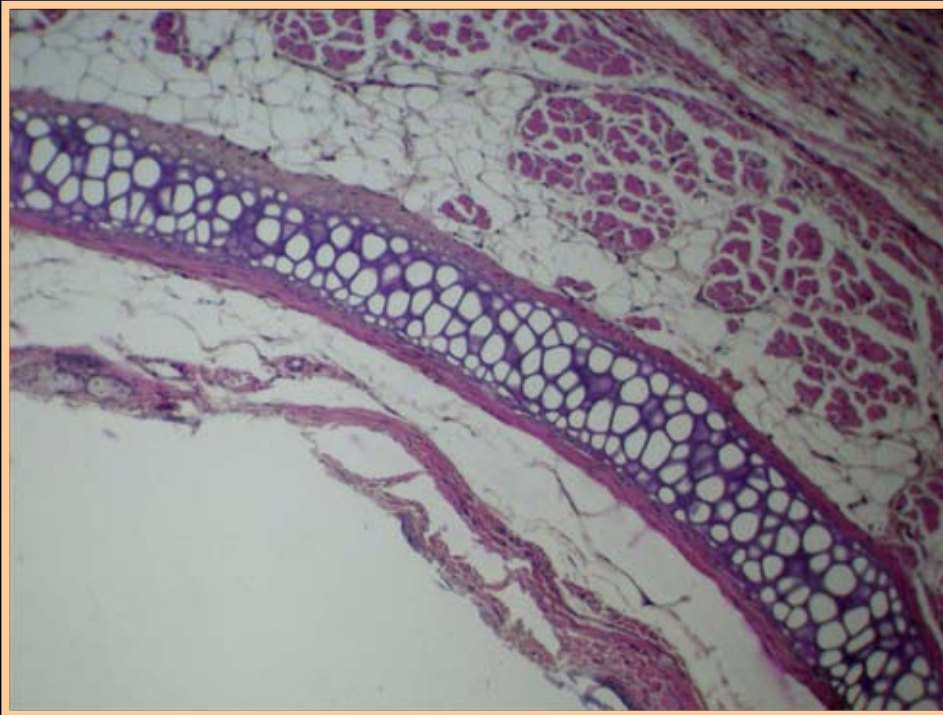
Cartílago fibroso
H/E



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Tejido cartilaginoso

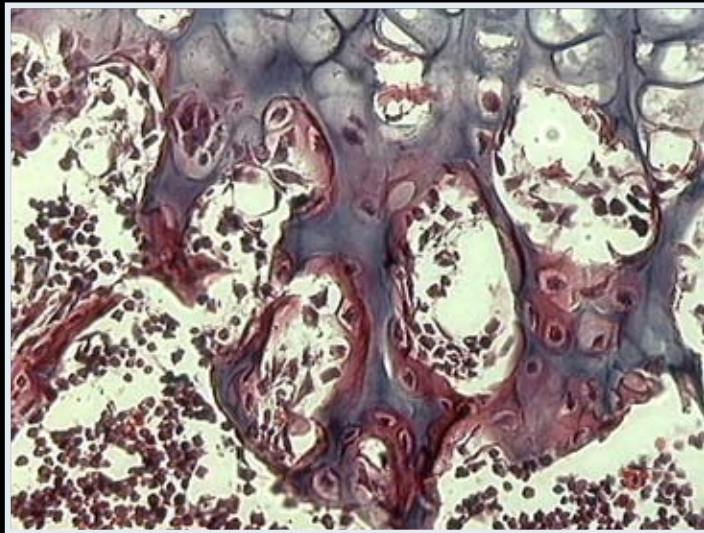
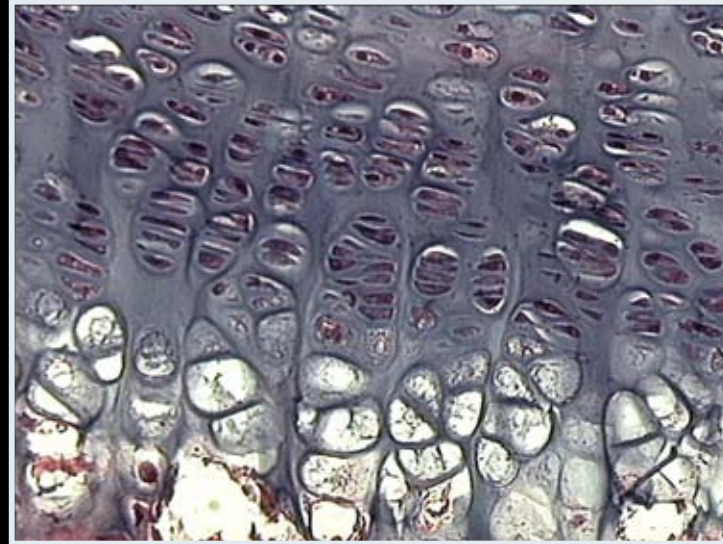
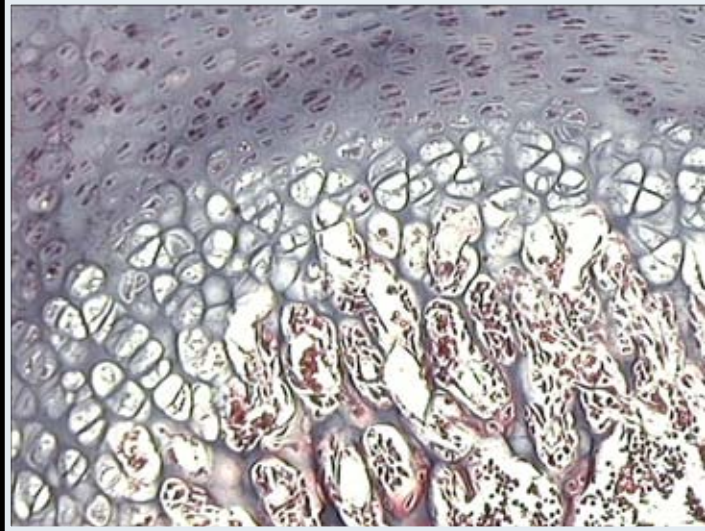


Cartílago elástico. Oreja.
H/E.

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Osificación endocondral. H/E



Osteoclasto

Osificación intramembranosa. H/E:

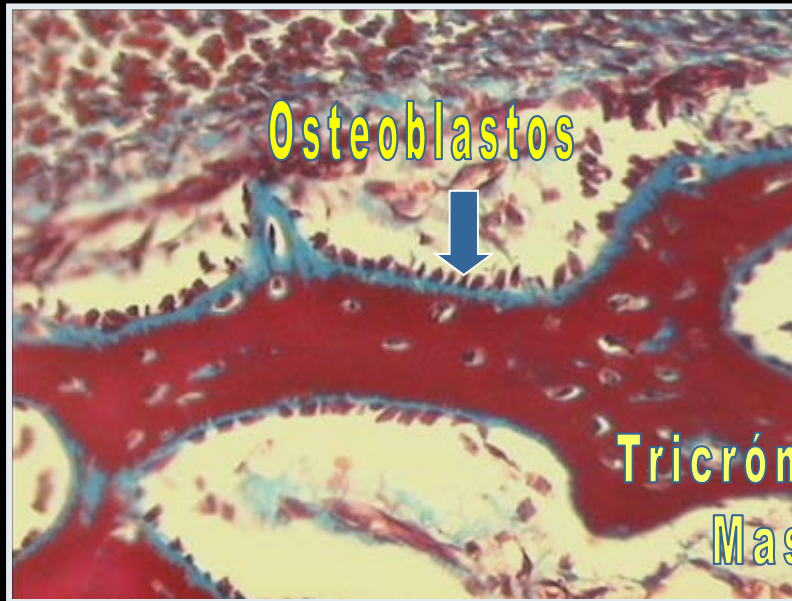
Mandíbula

Cartílago del 1º arco



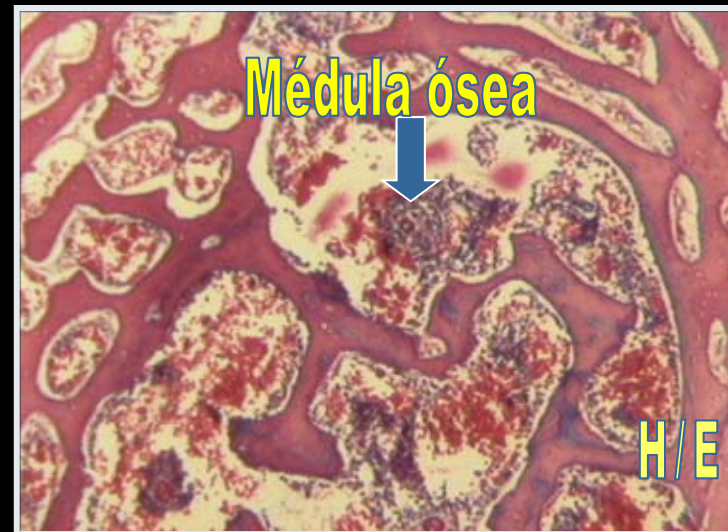
H/E

Osteoblastos



Tricrómico de
Masson

Médula ósea



H/E

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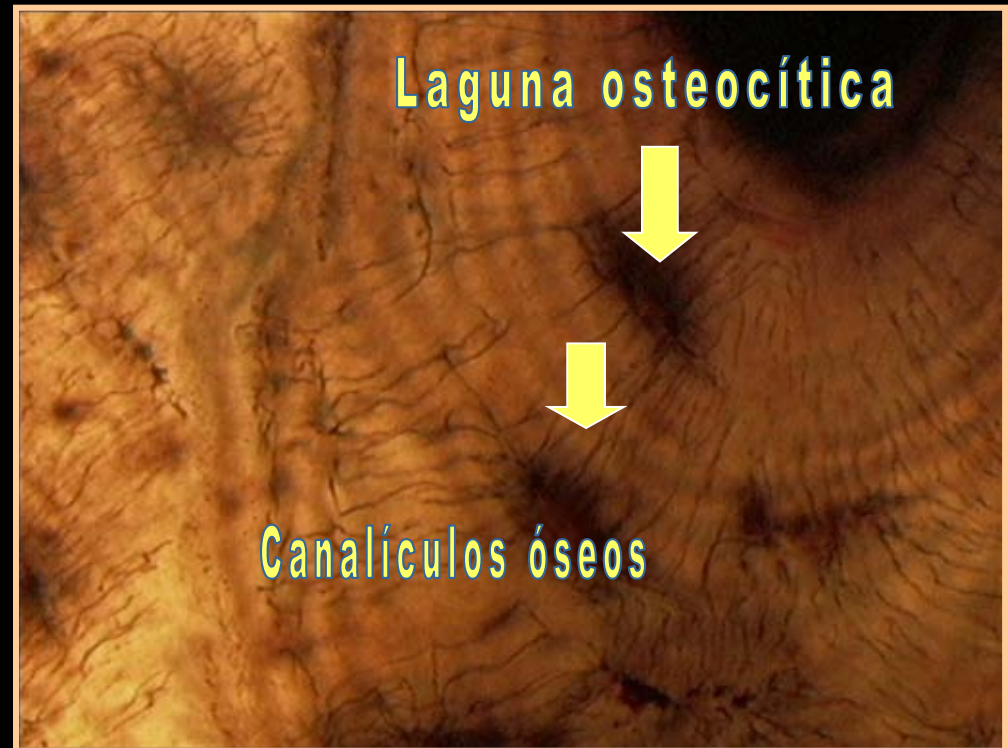
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Tejido óseo compacto



Técnica por desgaste
Impregnación argéntica

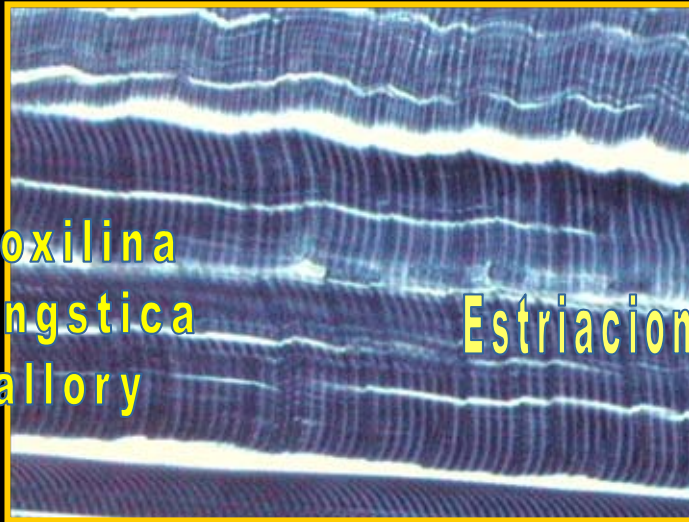
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Tejido muscular estriado no cardíaco

Hematoxilina
fosfotúngstica
de Mallory

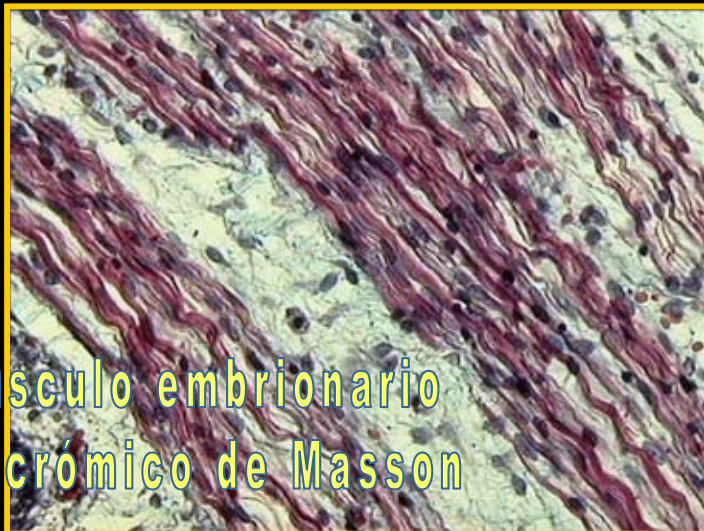


Estríaciones transversales

Tricrómico de
Dane



Músculo embrionario
Tricrómico de Masson

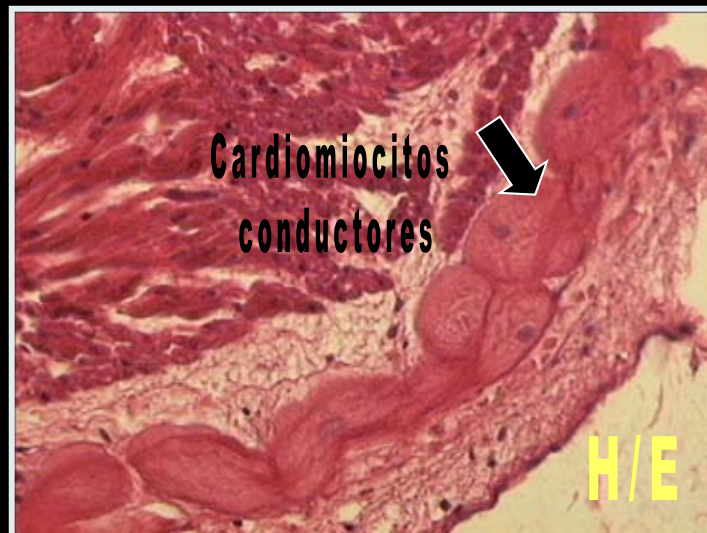
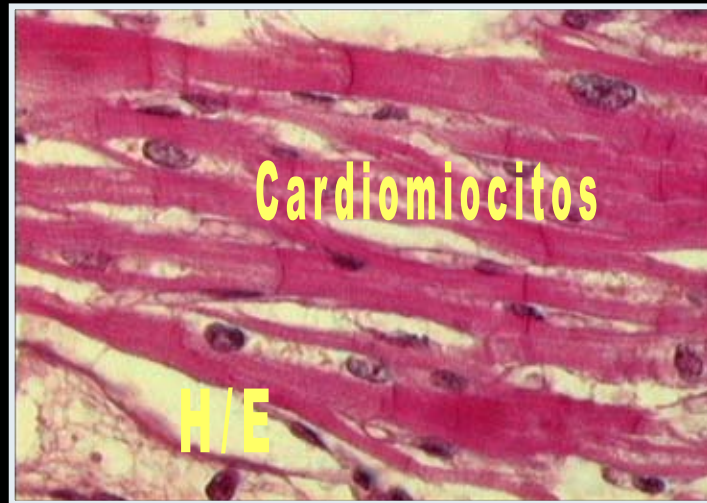


Miofibras en corte
transversal

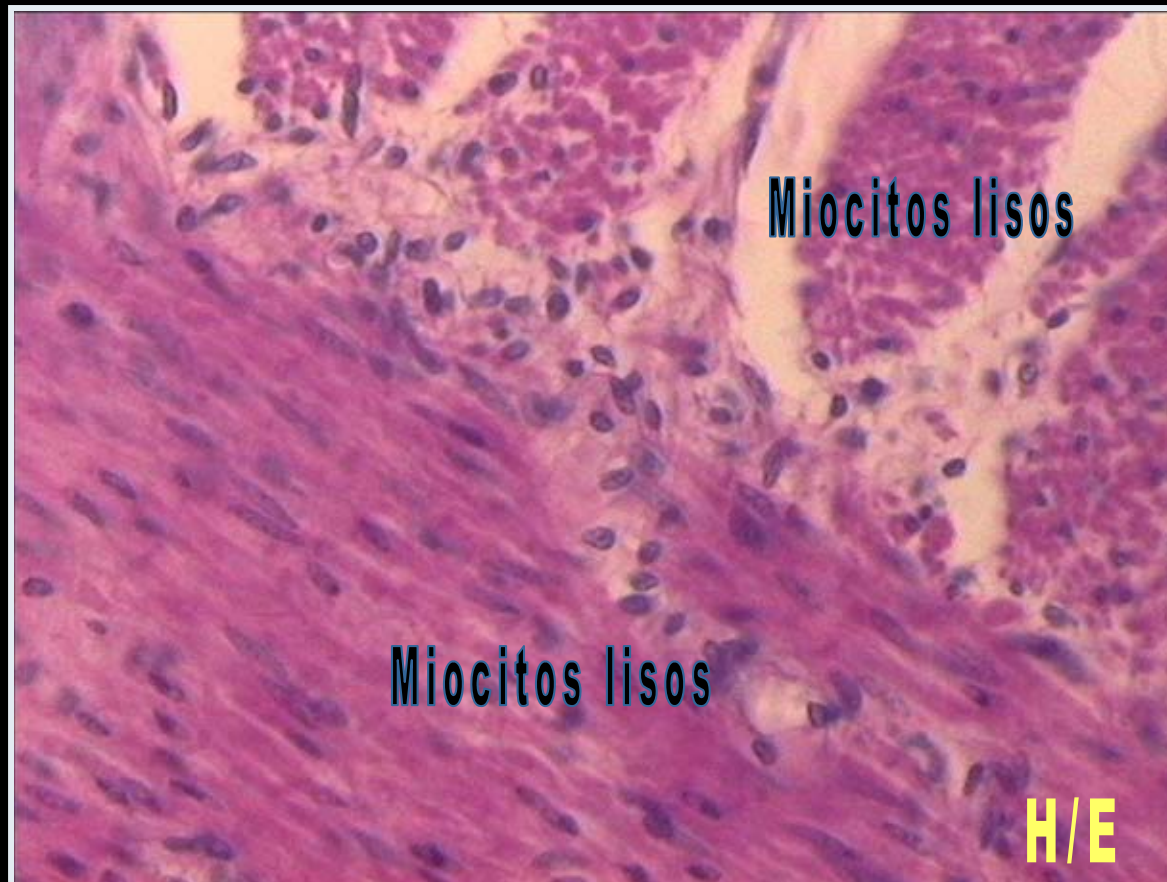


Tricrómico
de Masson

Tejido muscular estriado cardíaco



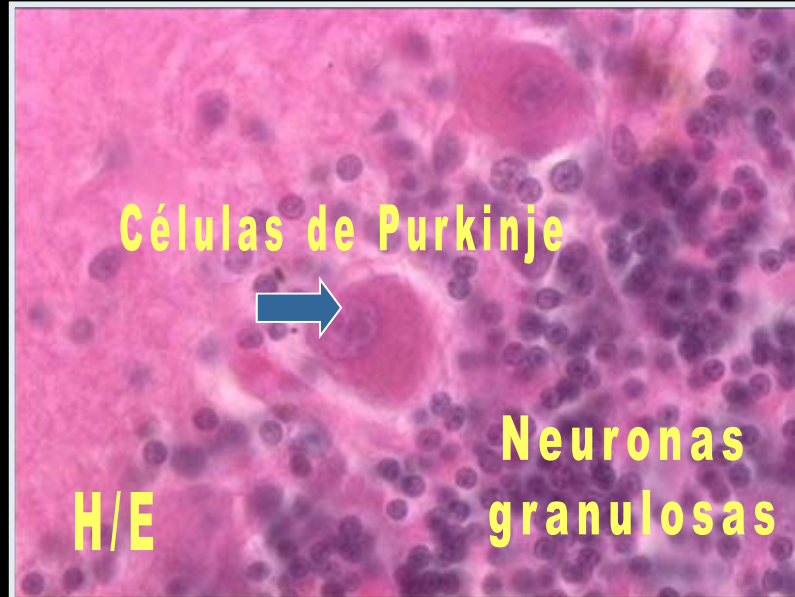
Tejido muscular liso



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Tejido nervioso: neuronas



Impregnación argéntica

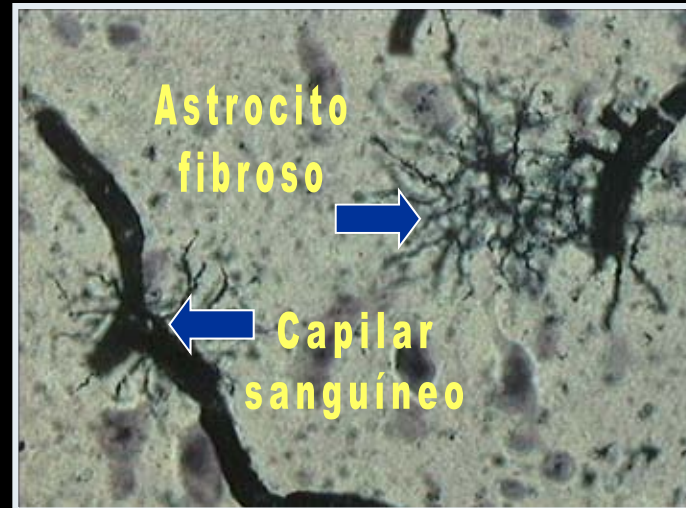
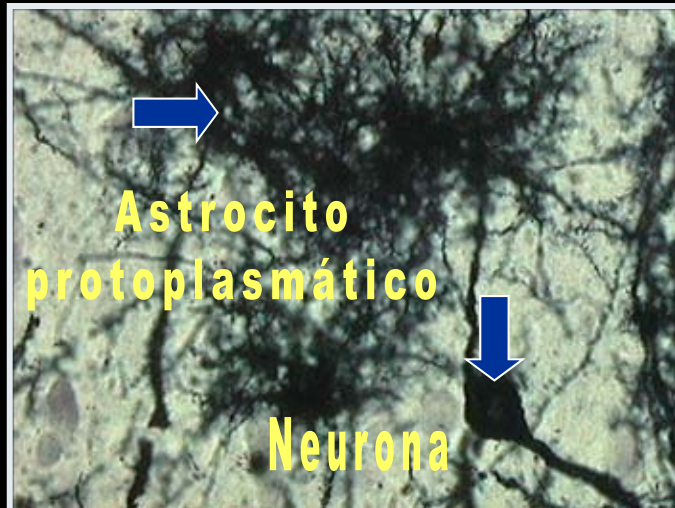
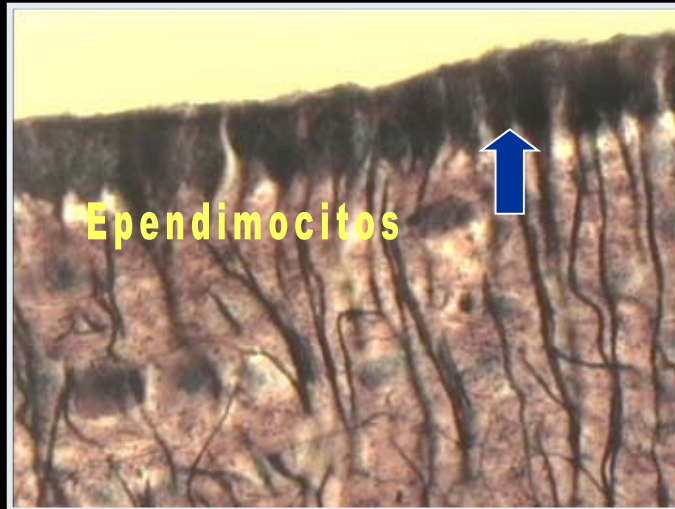


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Tejido nervioso: Neuroglia

Impregnación argéntica



SISTEMAS

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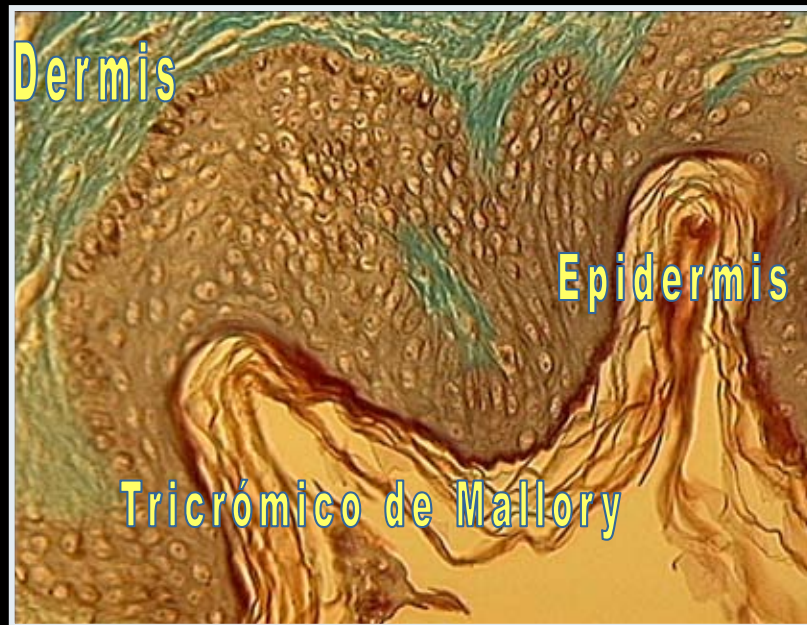
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Sistemas de coordinación

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Piel



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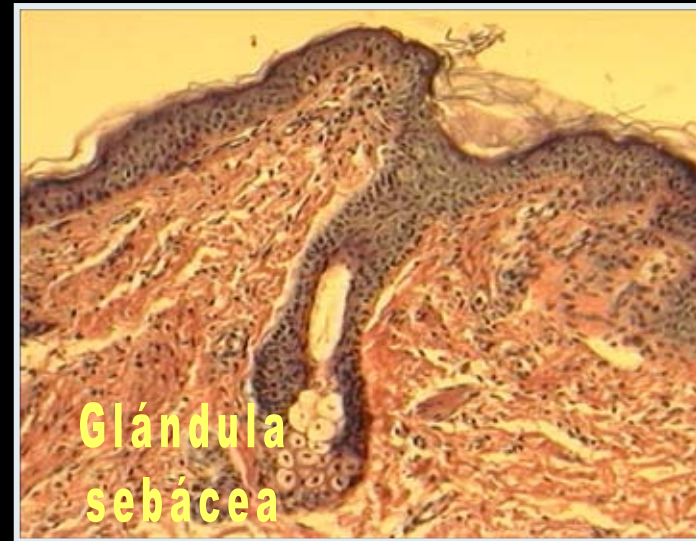
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Piel: anexos

Tricrómico de
Masson



H/E



H/E



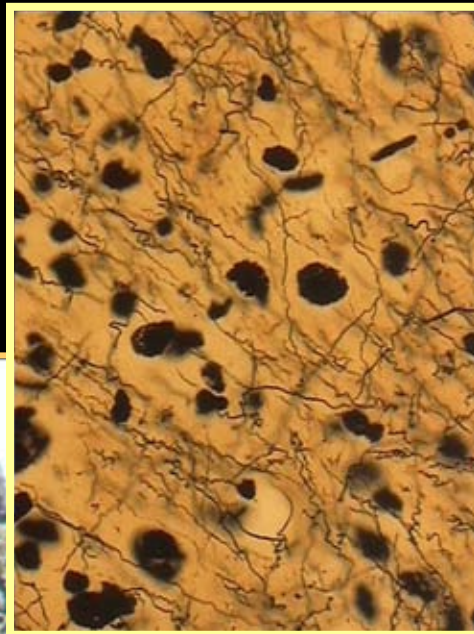
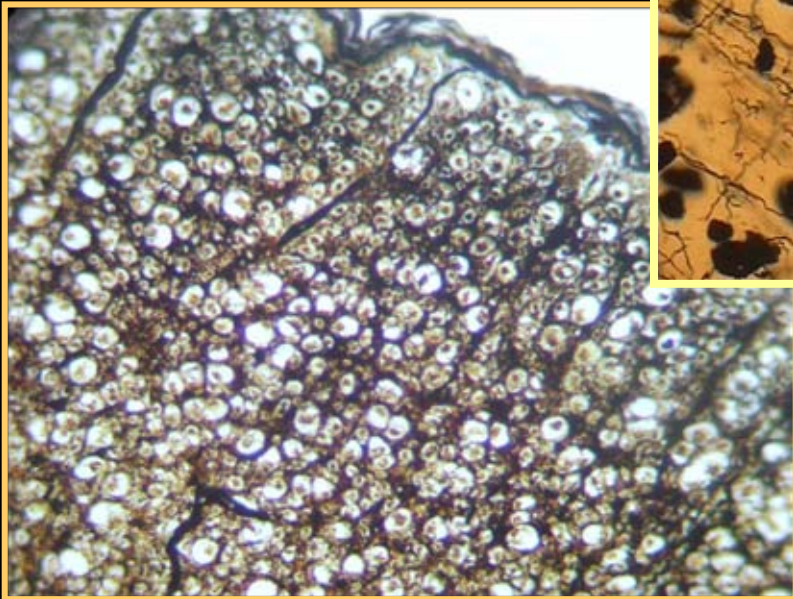
H/E

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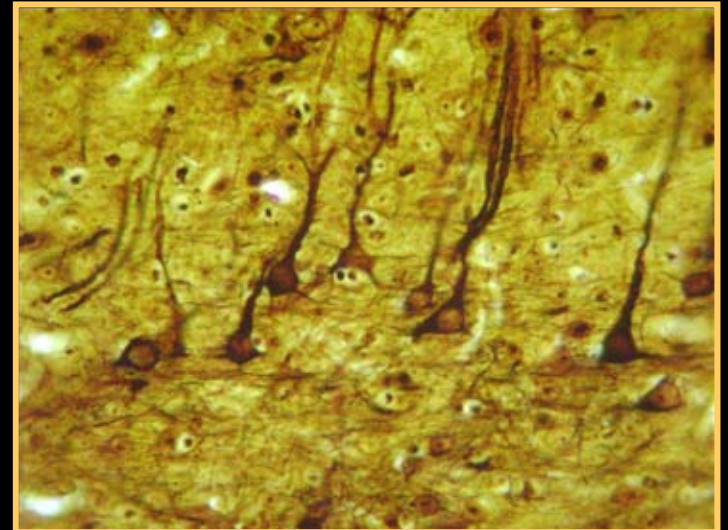
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SISTEMA NERVIOSO

Neurópilo.
Impregnación
argéntica



Cerebro. Células piramidales.
Impregnación
argéntica



Médula espinal.
Sustancia blanca.
Impregnación
argéntica

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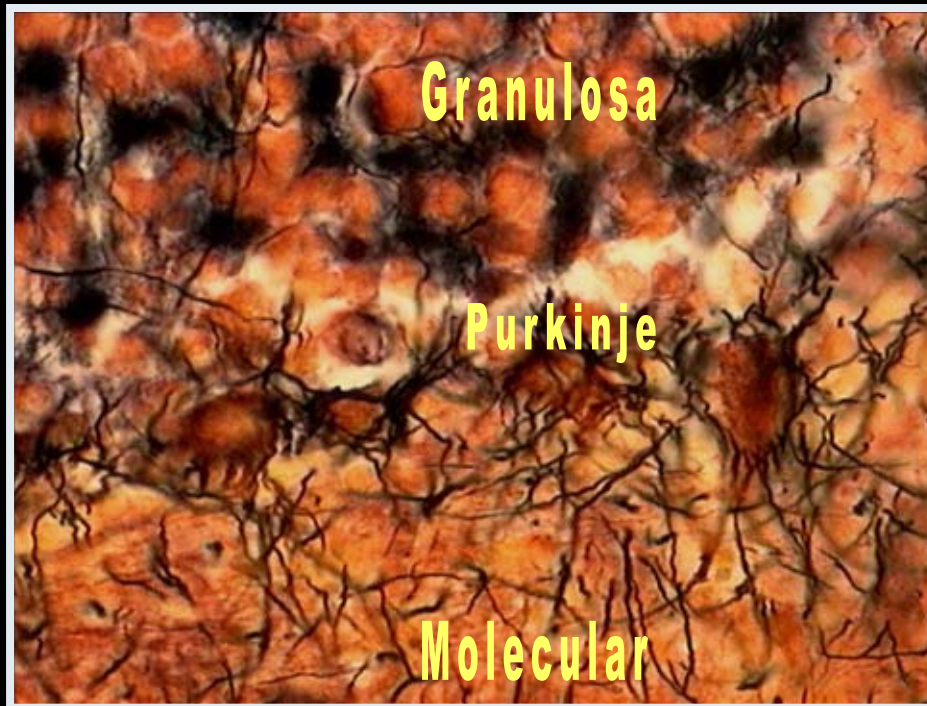
SISTEMA NERVIOSO



Cerebelo H/E. Preparación
histológica escaneada
2400 ppp

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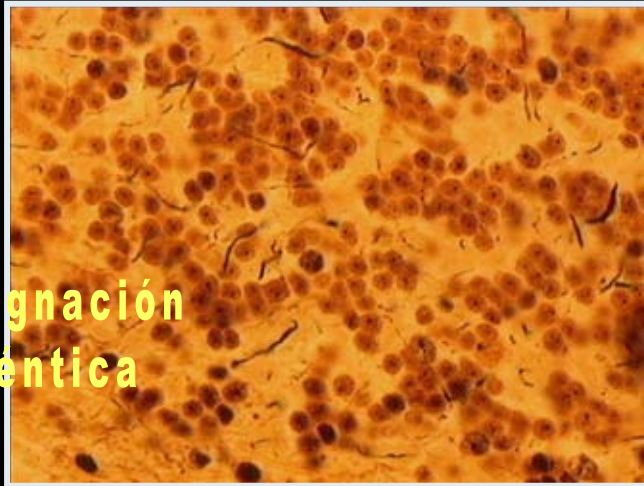
Sistema nervioso. Corteza del cerebelo
Impregnación argéntica

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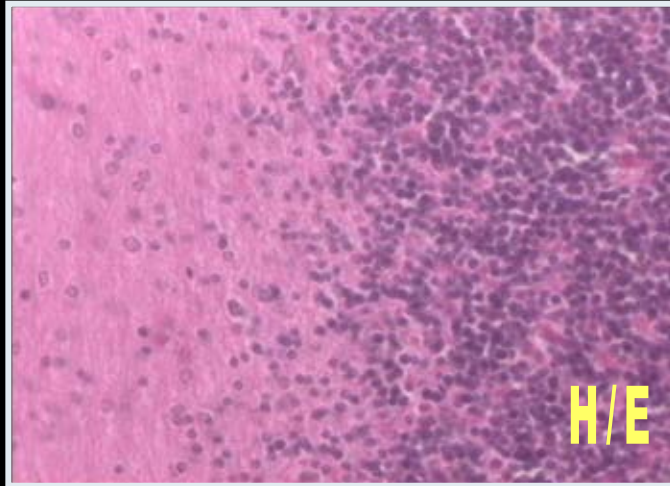
Samar, Avila, Lucero

Sistema nervioso: Neuronas granulosas del cerebelo

Impregnación
argéntica



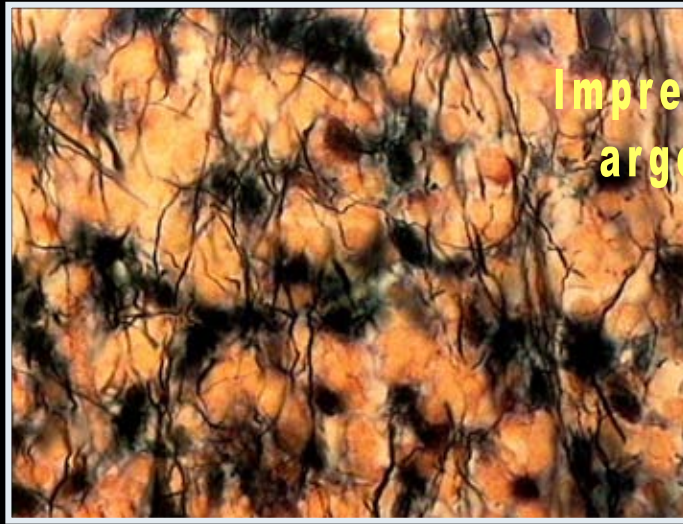
H/E



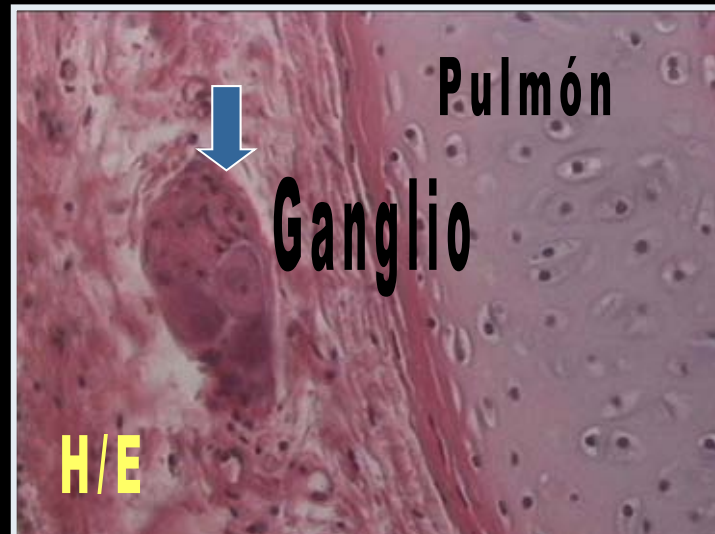
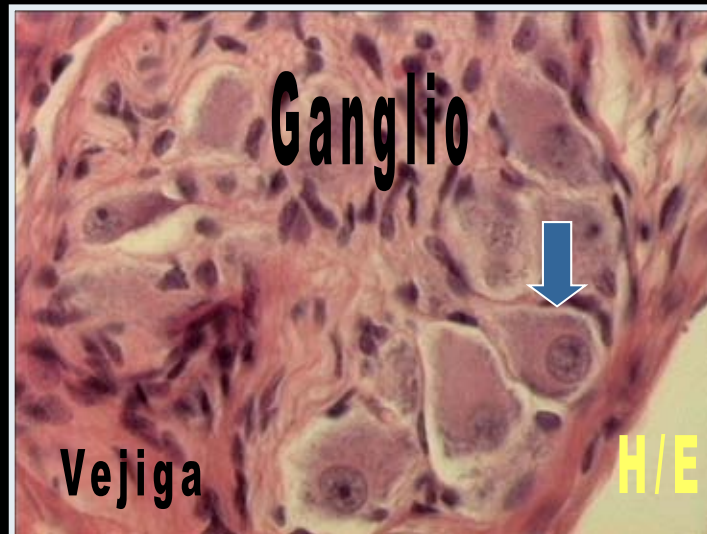
Impregnación
argéntica



Impregnación
argéntica

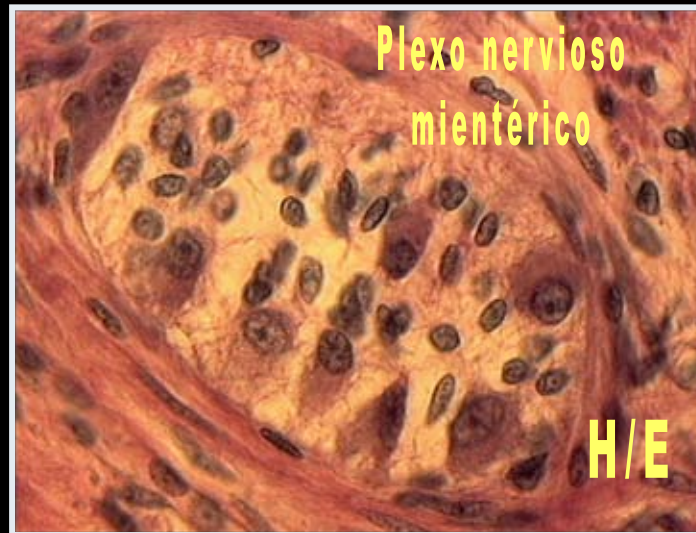
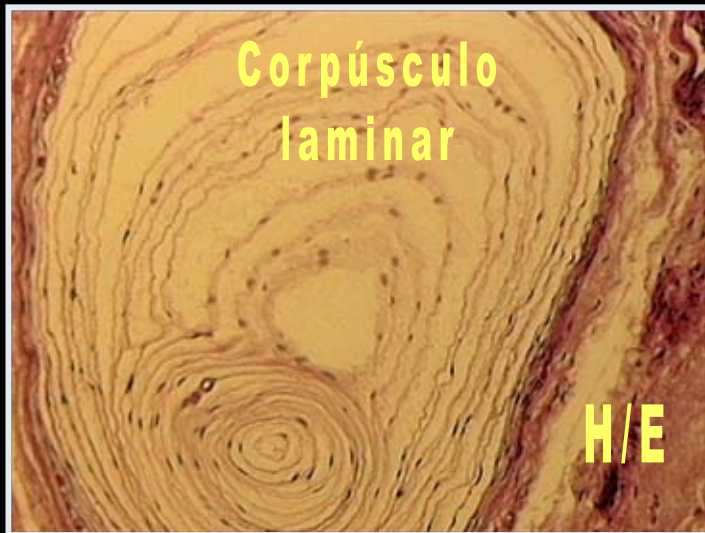
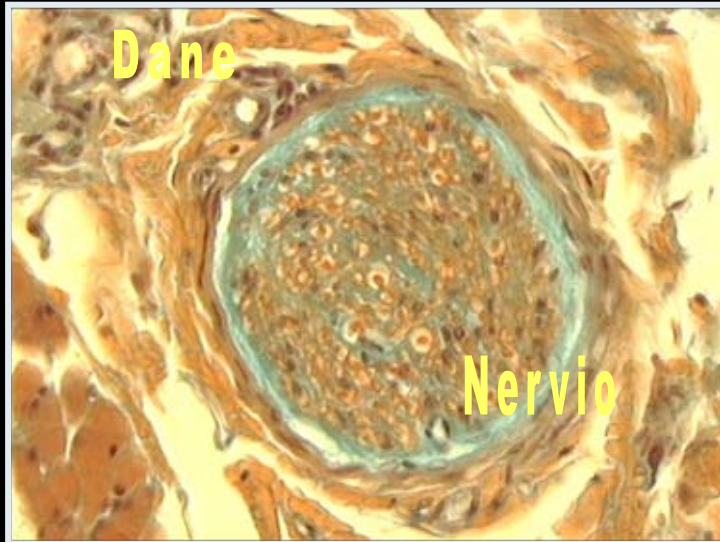


Sistema nervioso: neuronas



Sistema nervioso

Tricrómico de



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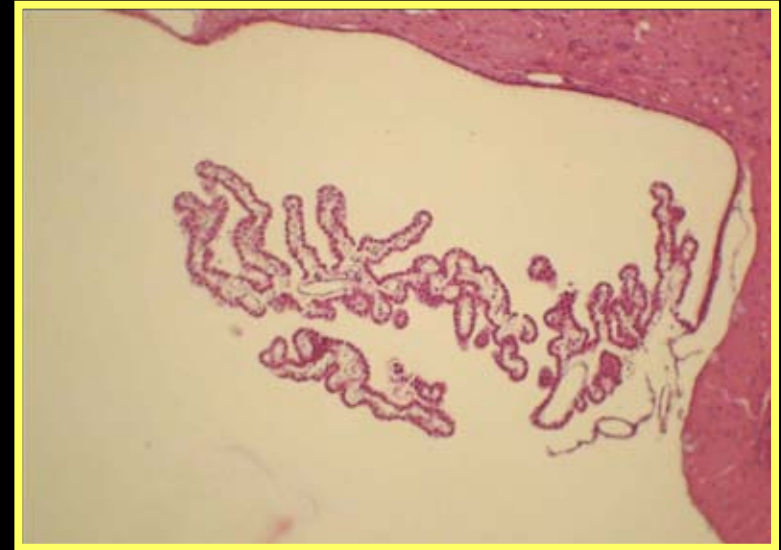
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Sistema nervioso

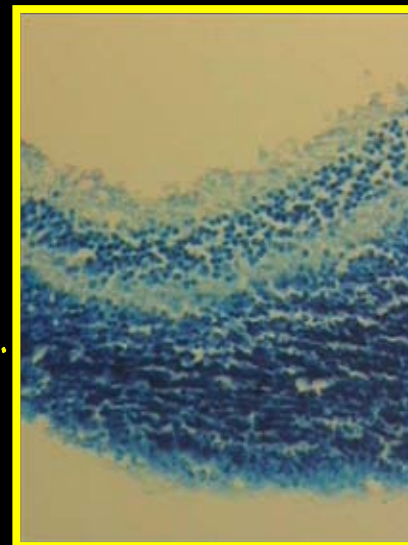


Nervio. Inmunohistoquímica.
Proteína S-100

Feto. Retina en desarrollo.
Azul de toluidina



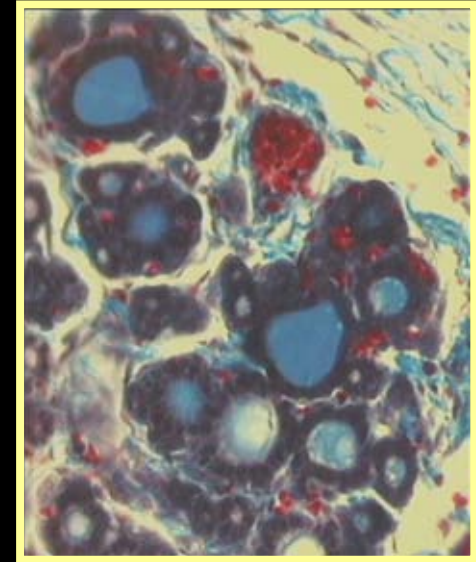
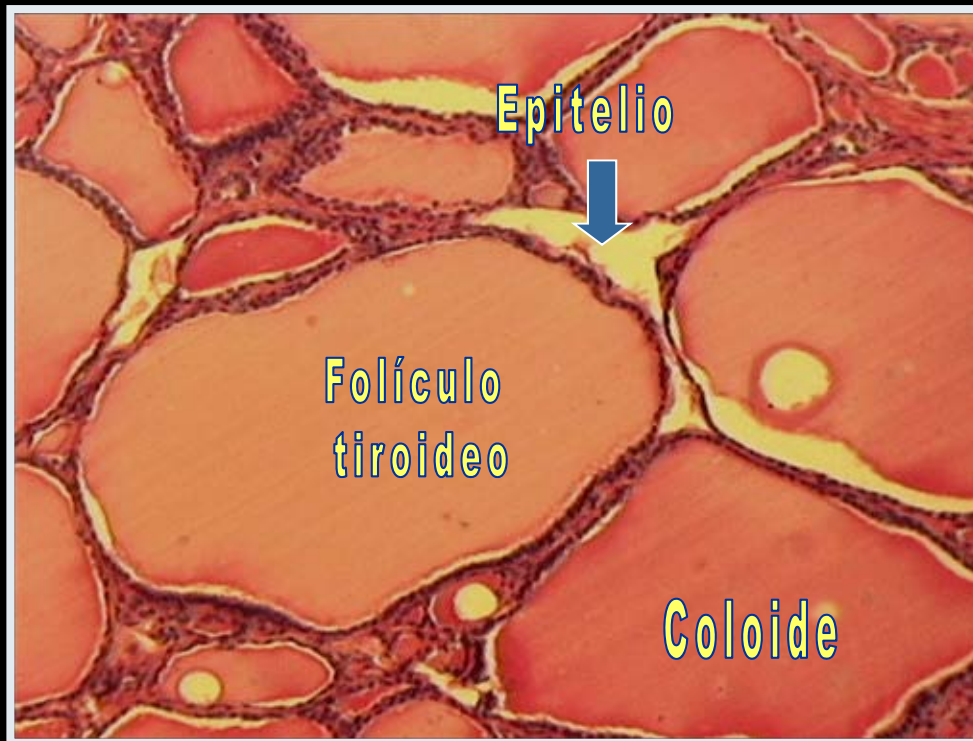
Plexos coroides.
H/E



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Sistema endócrino



Tiroides de feto.
Masson

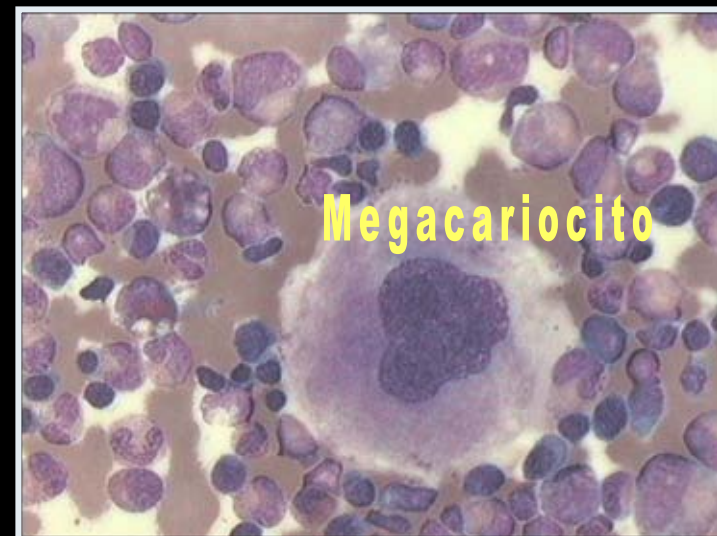
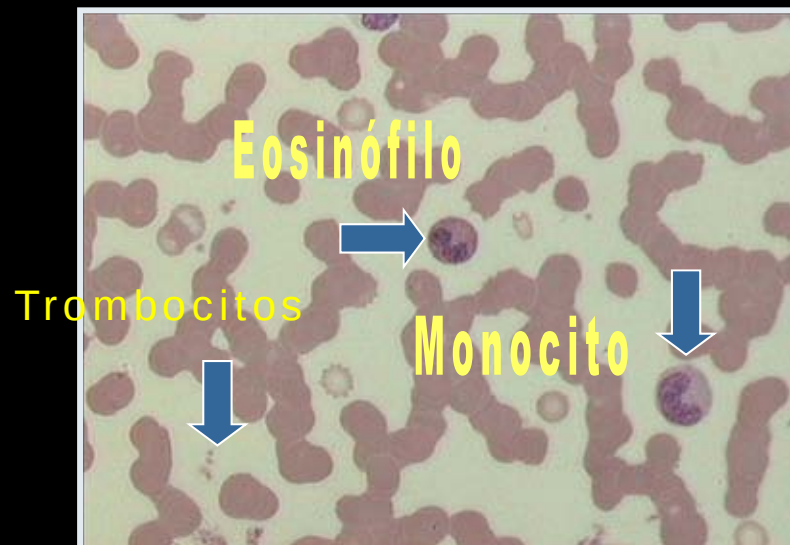
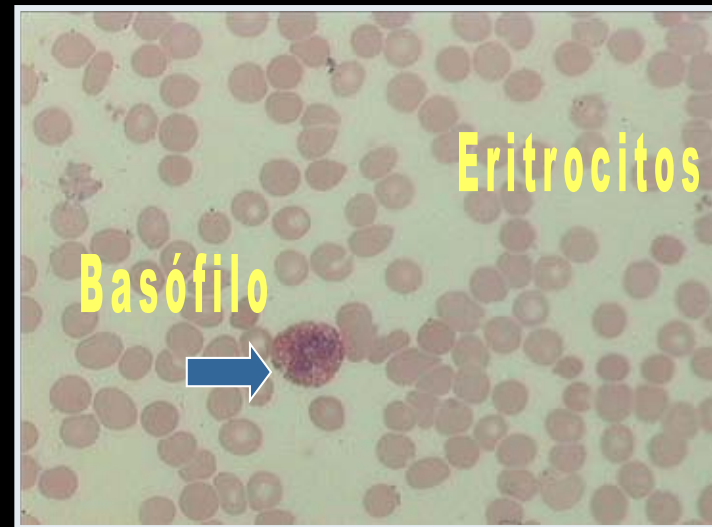
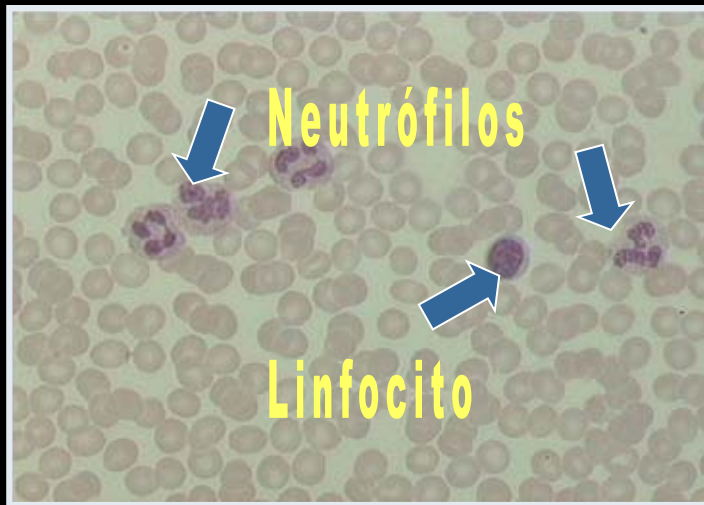
Tiroides. H/E

Sistemas encargados de transporte y defensa

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Sangre – Médula ósea

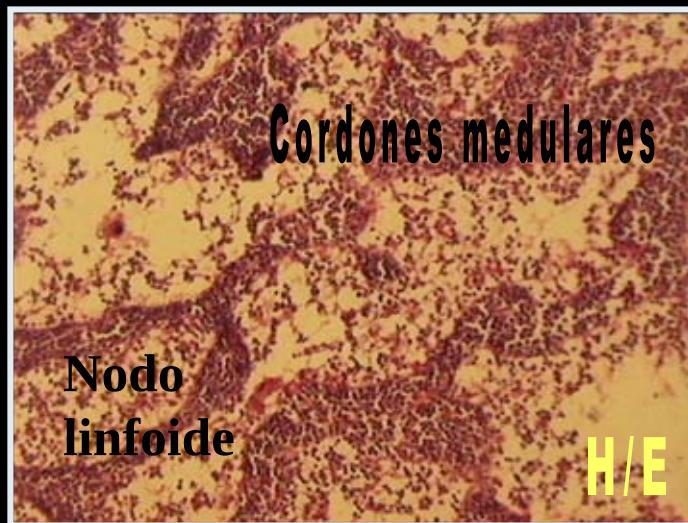
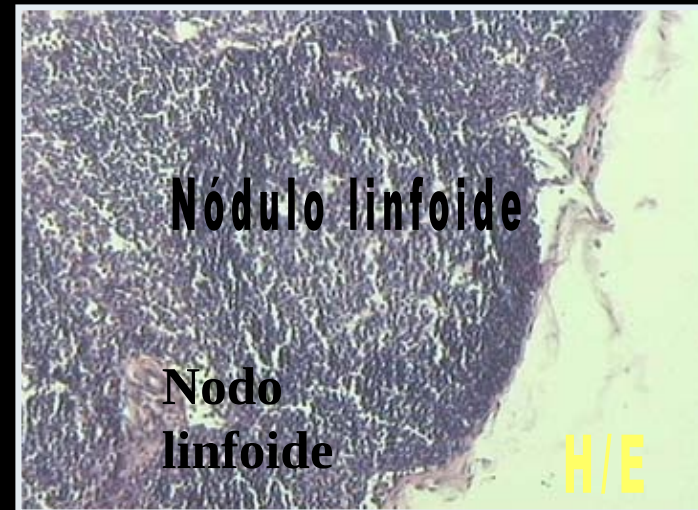
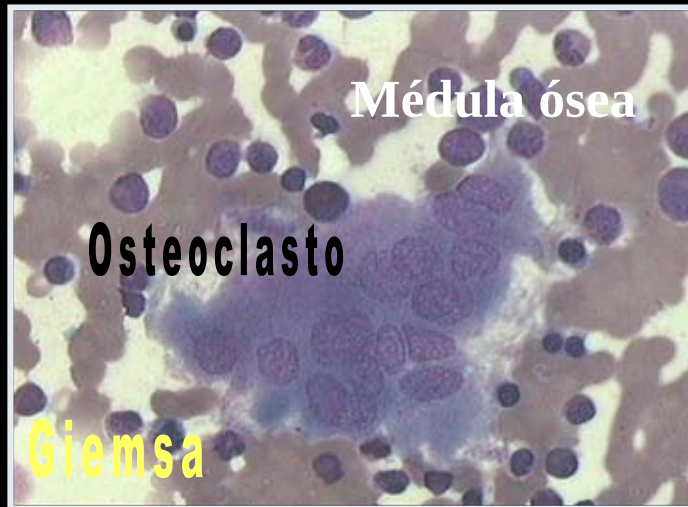


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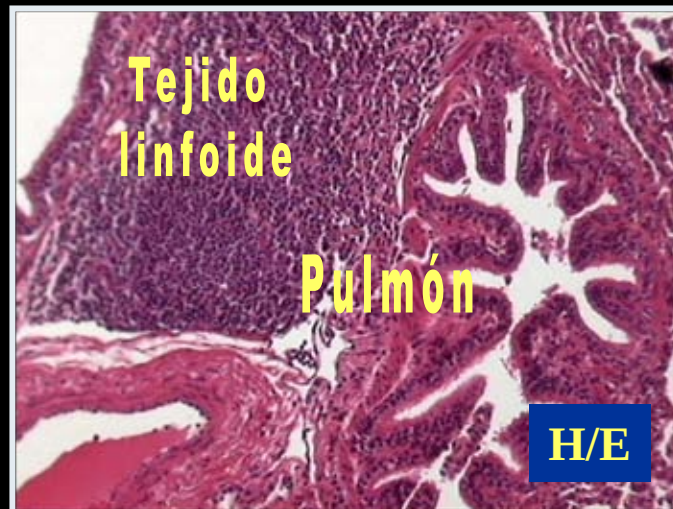
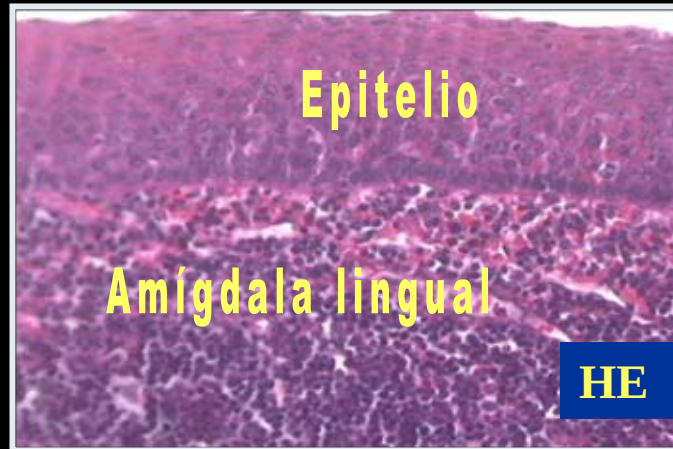
Giemsa

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Médula ósea – Nódulo linfoide – Bazo



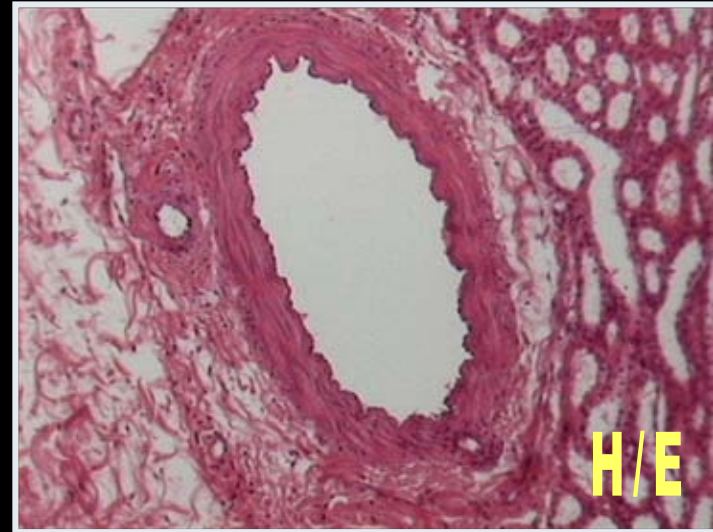
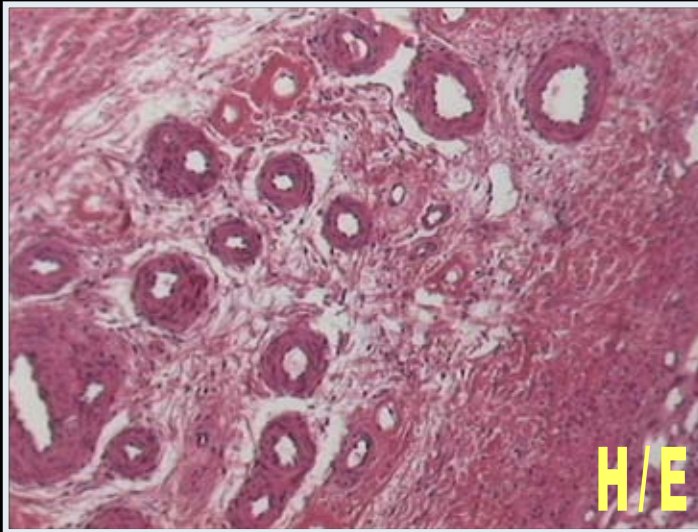
Amígdalas – Tejido linfoide asociado a mucosas



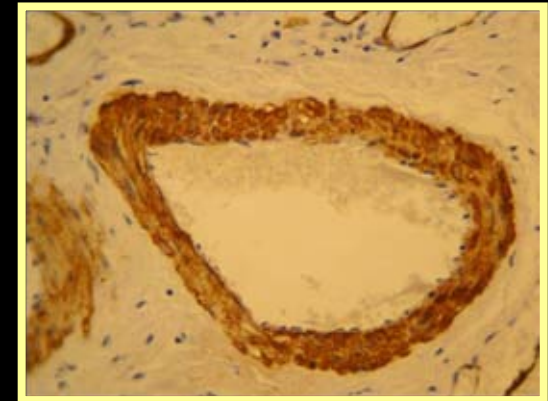
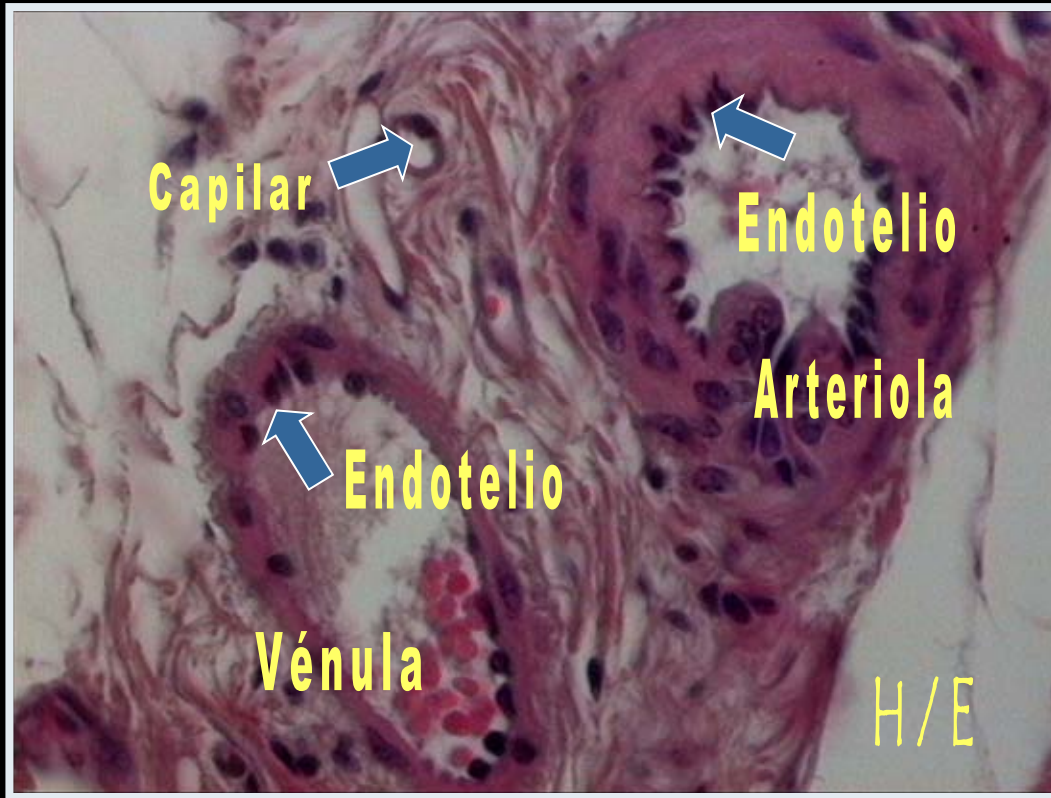
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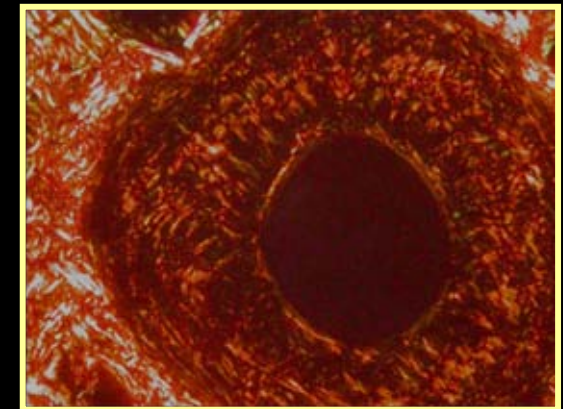
Sistema cardiovascular : arterias



Sistema cardiovascular : arterias y venas

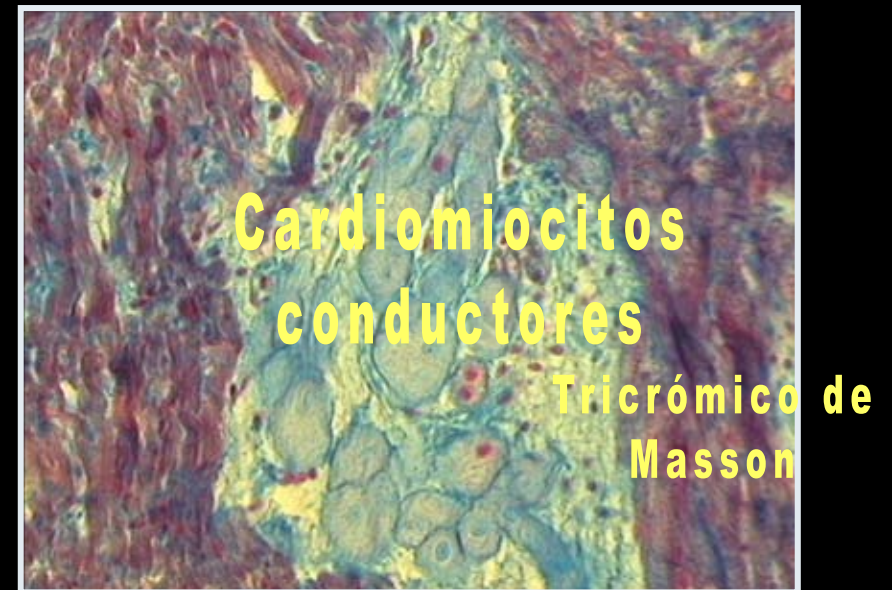


Arteria. Inmunomarcación para actina



Arteria. Picrosirius red/polarización

Corazón: miocardio



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Sistemas encargados de la nutrición, respiratorio y urinario

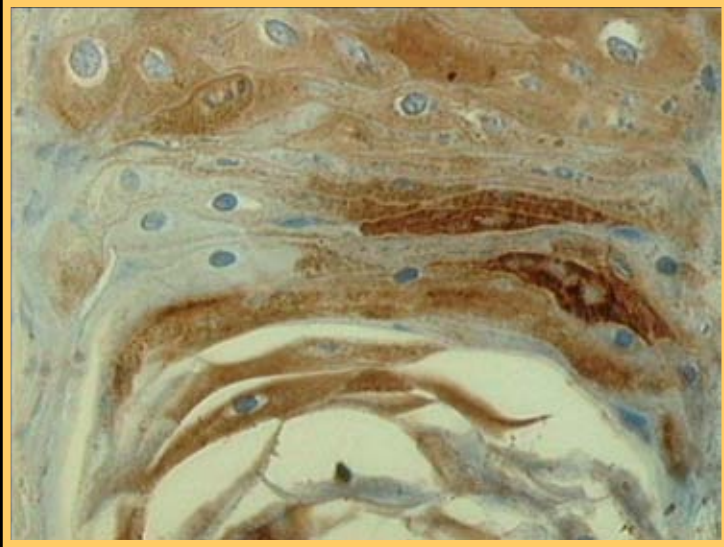
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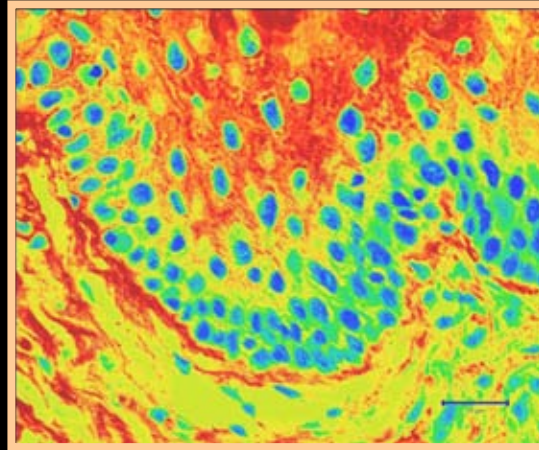
**LABIO DE FETO. TRICROMICO DE MASSON. 4x.
FOTOCOMPOSICION**



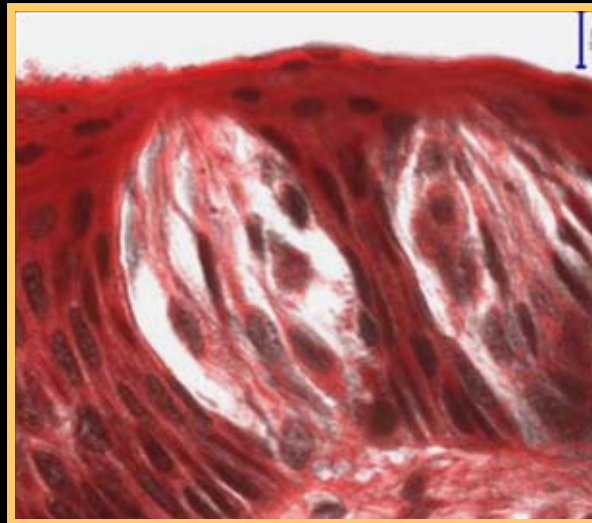
Sistema digestivo



Lengua. Cara dorsal.
Citoqueratinas 5/6.
(Dr Rugani).

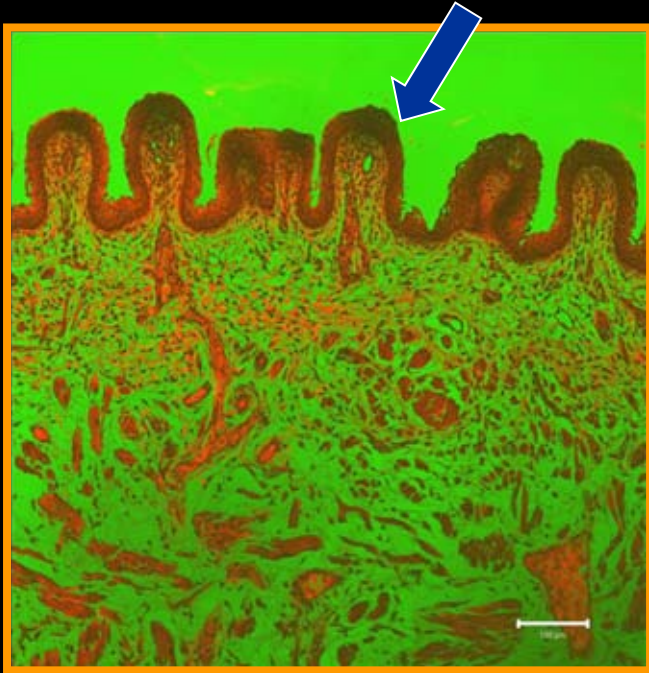


Papila fungiforme.
Región basal.
Microscopio láser
confocal.
(Dr Rugani).



Corpúsculos
gustativos.
Microscopio láser
confocal.
(Dr Rugani).

Sistema digestivo



Lengua de feto. Papilas.
Microscopio laser confocal.
(Dr Rugani).

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Detalle de
papila
caliciforme.
Tricrômico
De Dane
(Dr Rugani).

Sistema digestivo: Diente



Desgaste. Conexión
Amelodentinaria.



Desgaste. Cámara pulpar
(Dr Peralta)

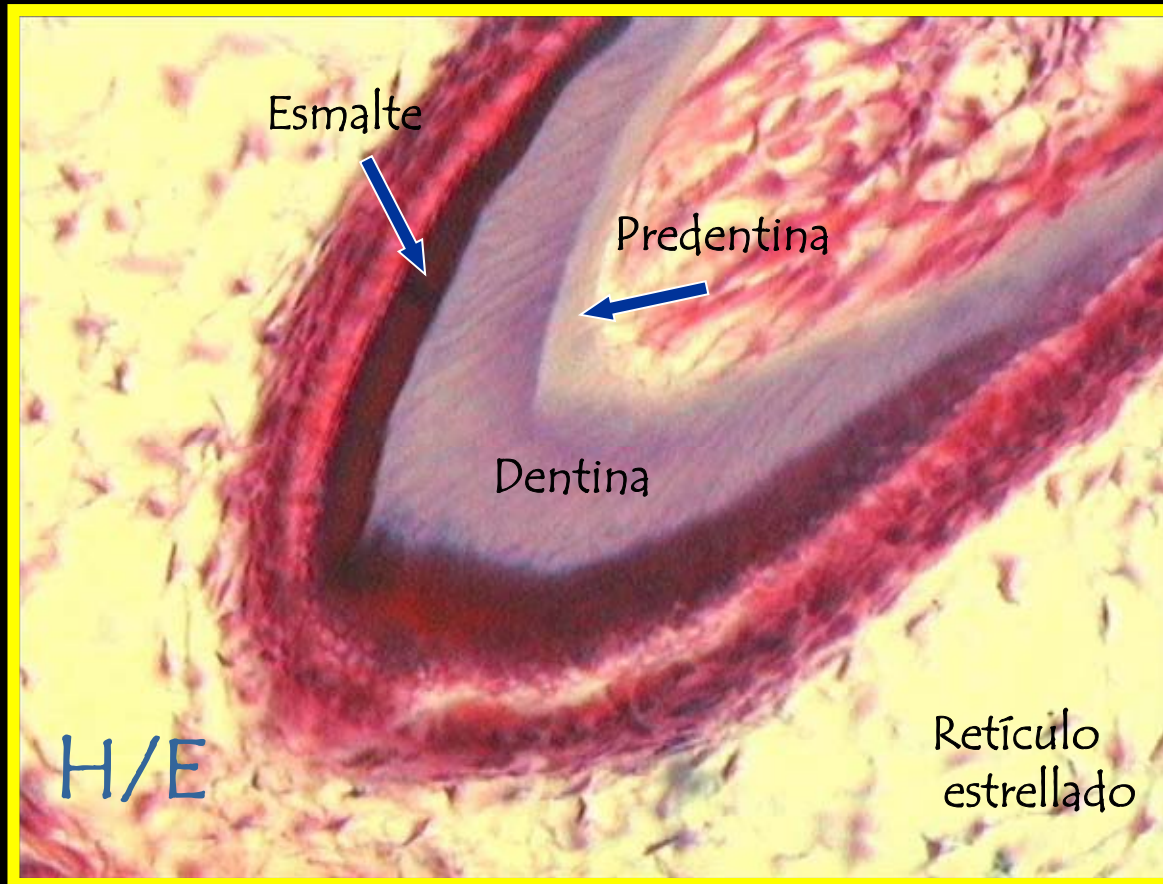


1º premolar inferior derecho.
(Dra Hassan)



Diente unirradicular, corte
horizontal. Desgaste.
(Dr Peralta)

Sistema digestivo: diente en desarrollo



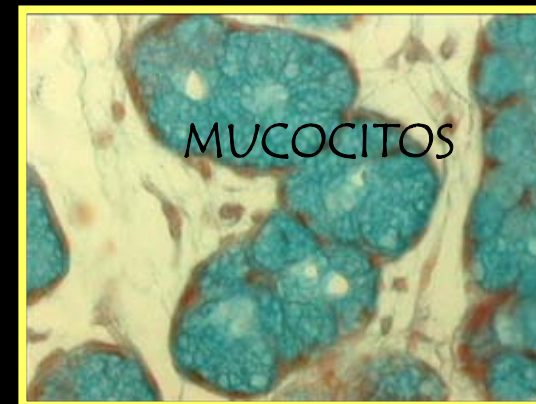
Sistema digestivo



Glândulas linguales posteriores
(Gustatorias)
. Tricrômico de Dane.

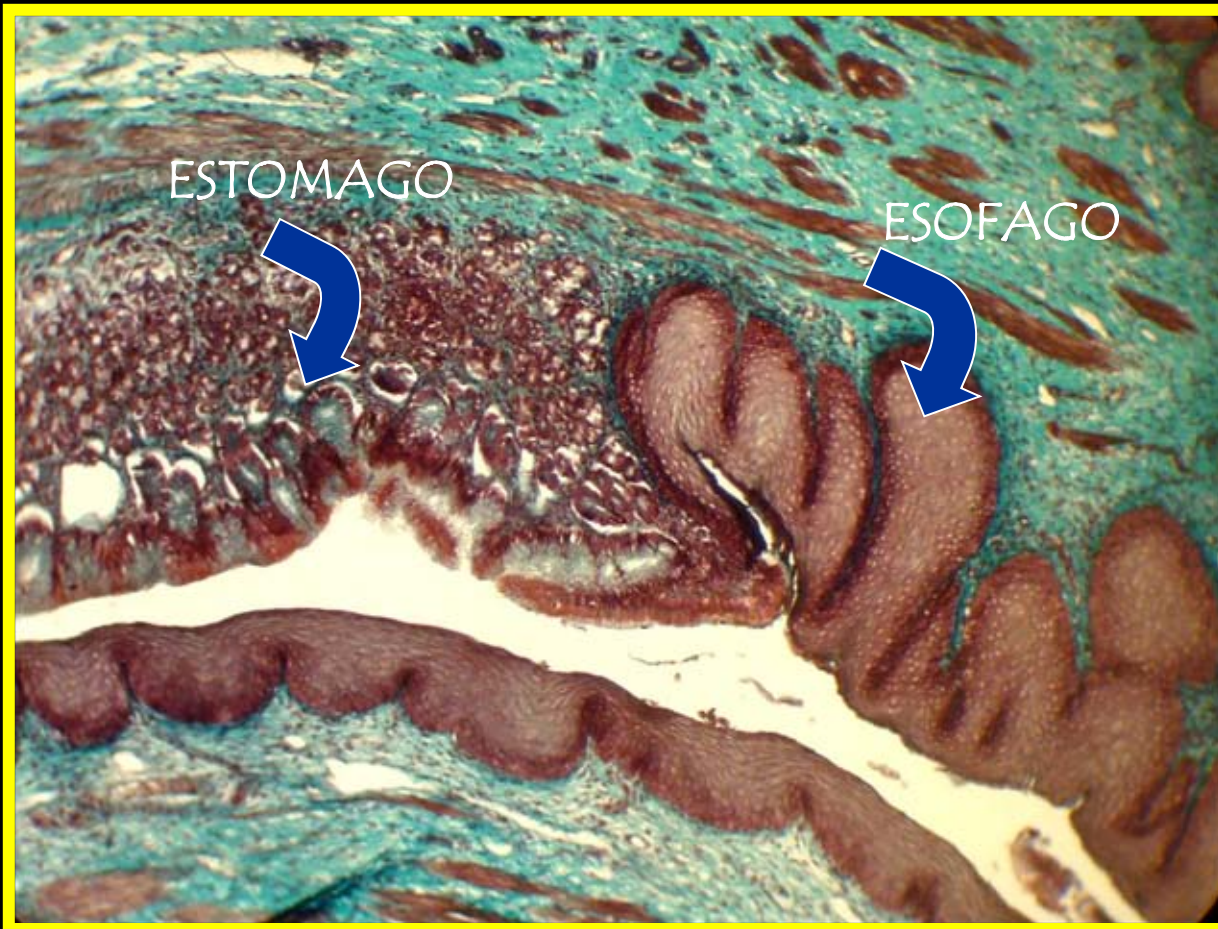


Glândulas linguales
Posteriores
(Gustatorias)
Citoqueratínas.



Glândulas palatinas.
Tricrômico de Dane.

Sistema digestivo

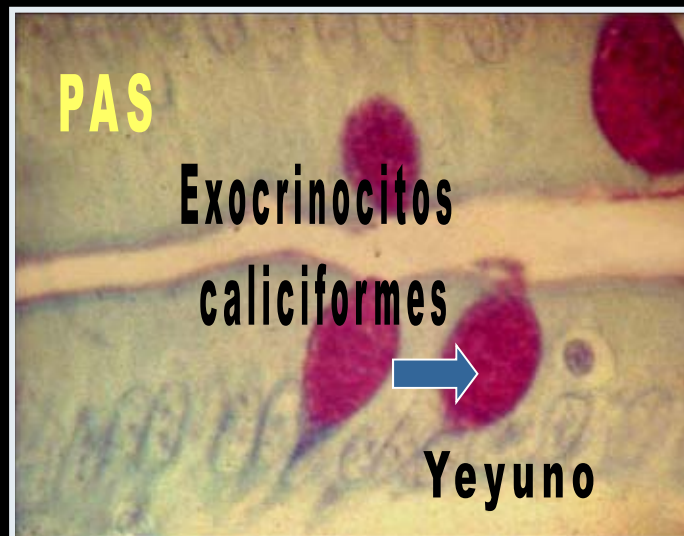
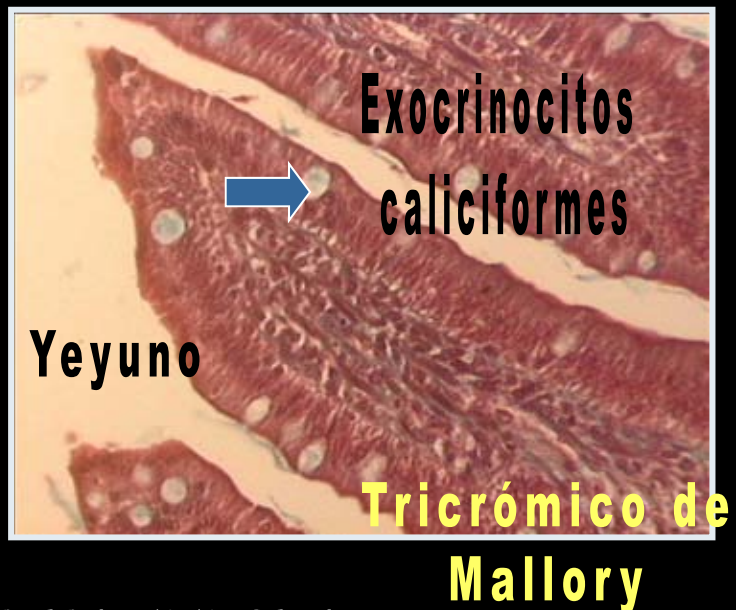
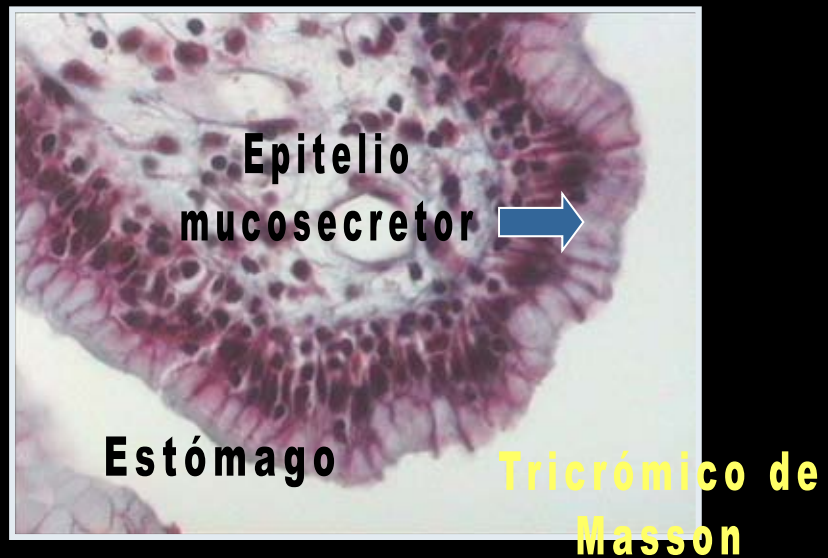
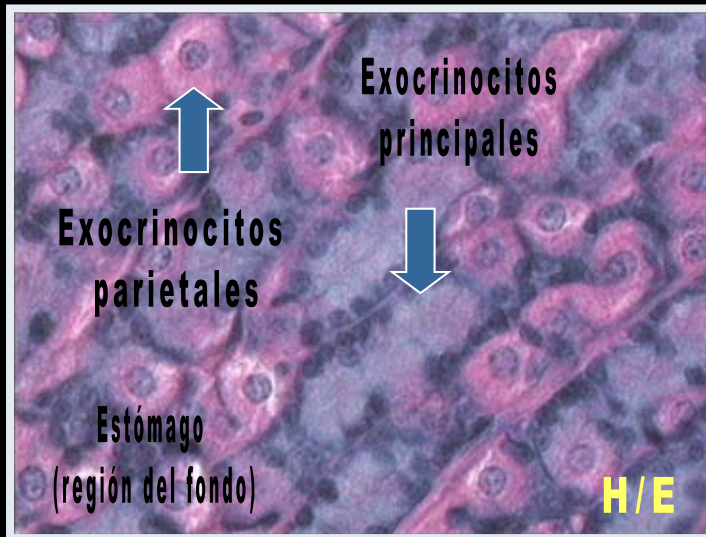


Unión gastroesofágica.
Tricrómico de Mallory.

ISBN 978-987-05-5029-7

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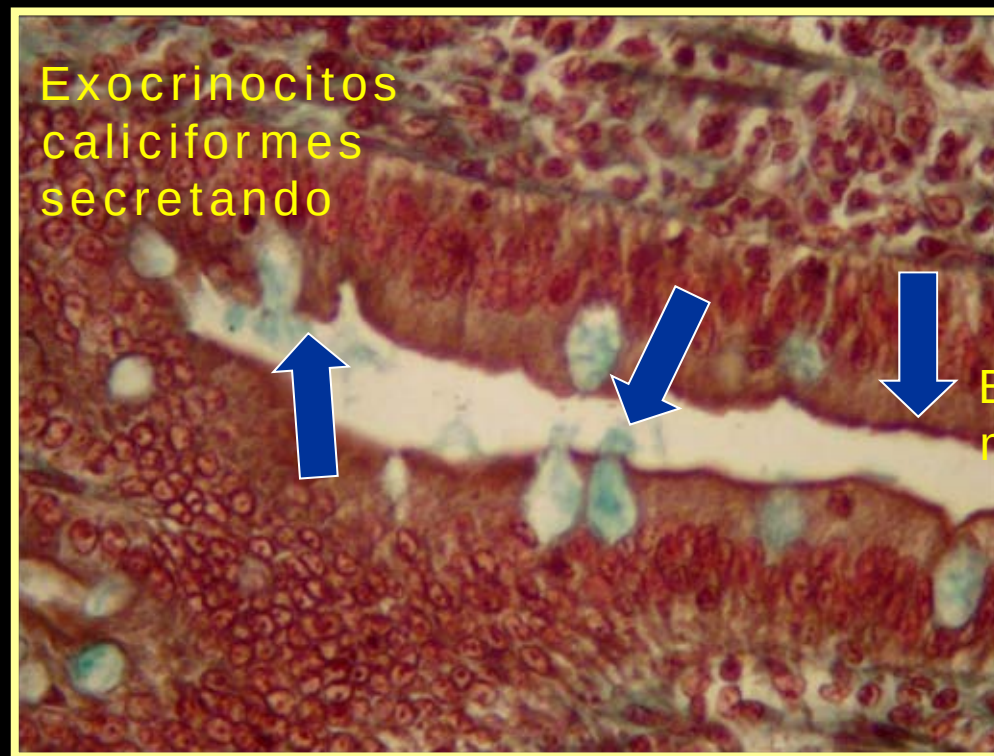
Sistema digestivo



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Intestino delgado

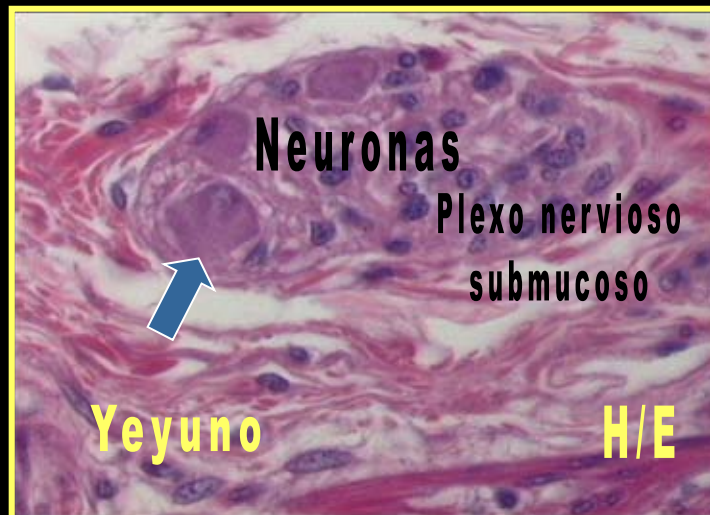
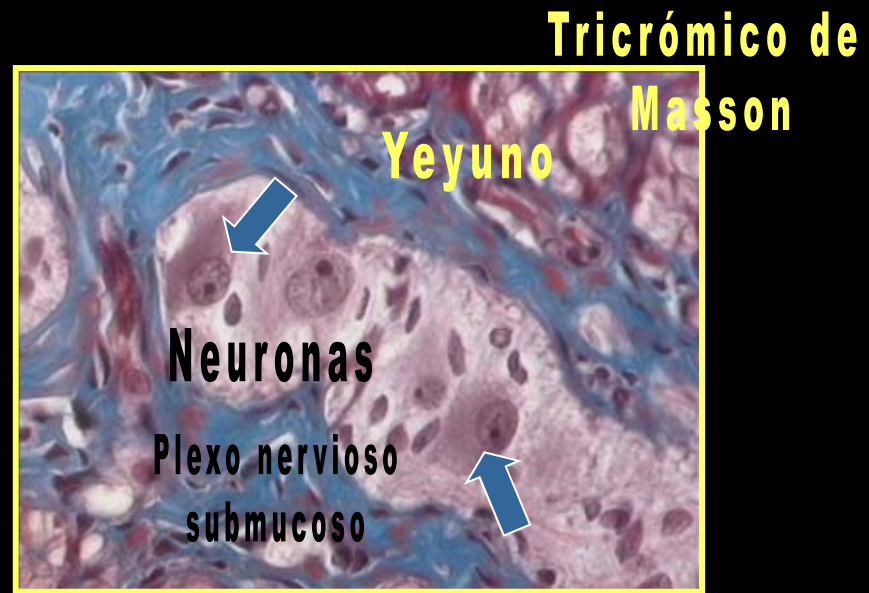
Tricrômico de
Mallory



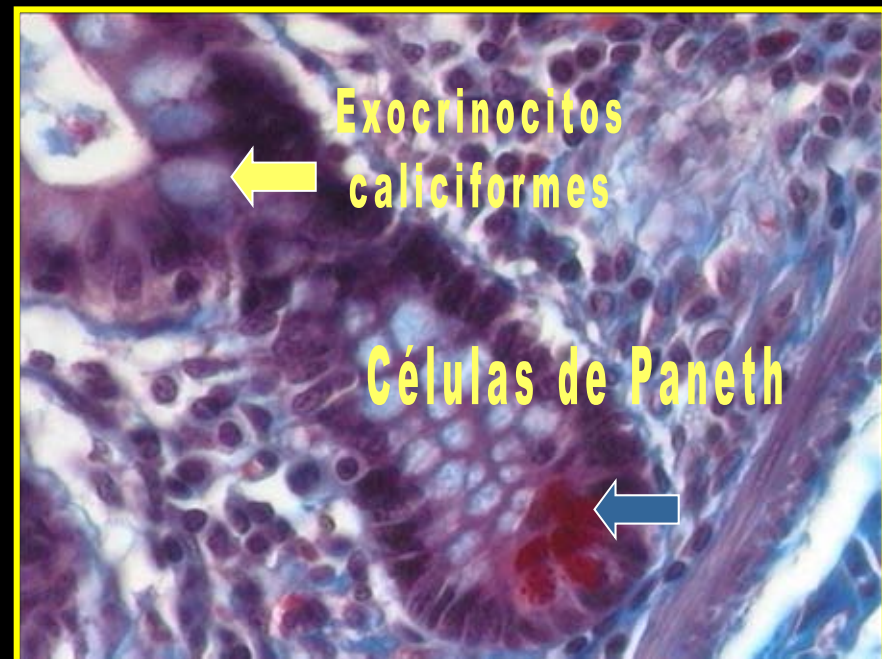
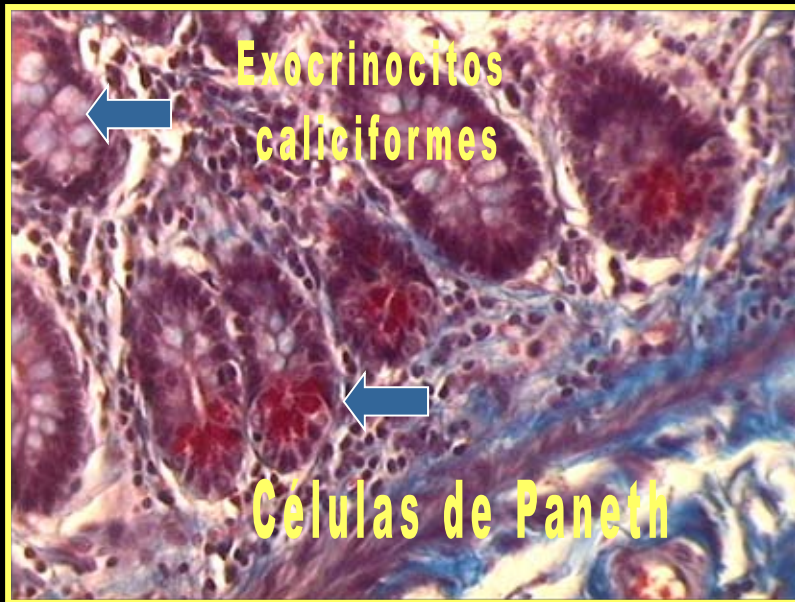
Exocrinocitos
caliciformes
secretando

Borde
microvelloso

Intestino delgado



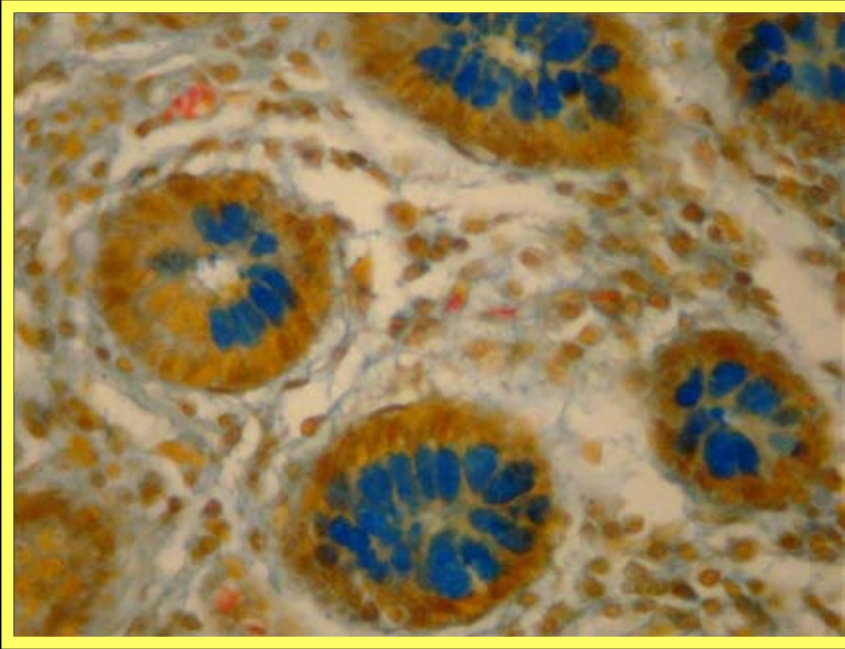
Intestino delgado. Criptas intestinales. Tricrómico de Masson



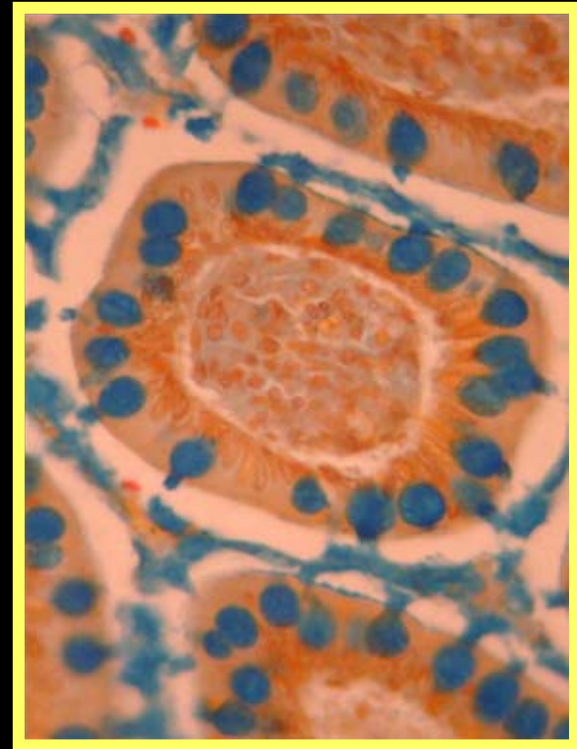
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Sistema digestivo



Intestino delgado. Criptas intestinales.
Tricrômico de Dane.

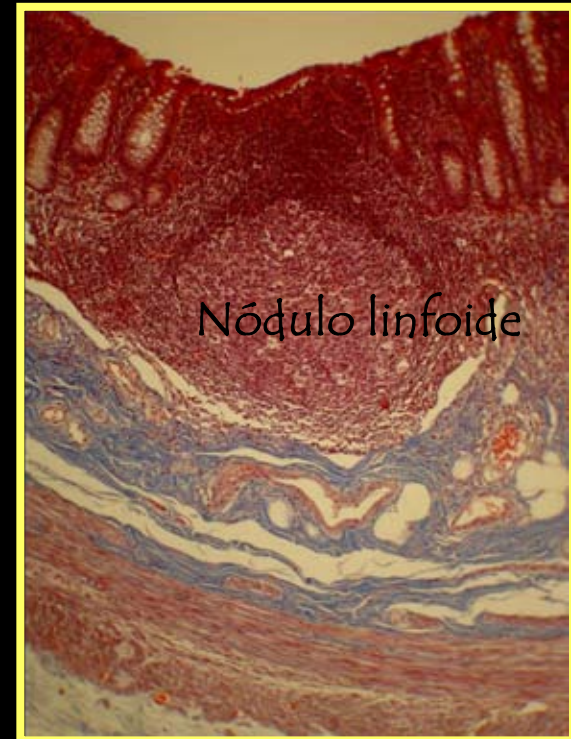


Intestino delgado. Velloidades en corte
transversal. Tricrômico de Dane.

Sistema digestivo

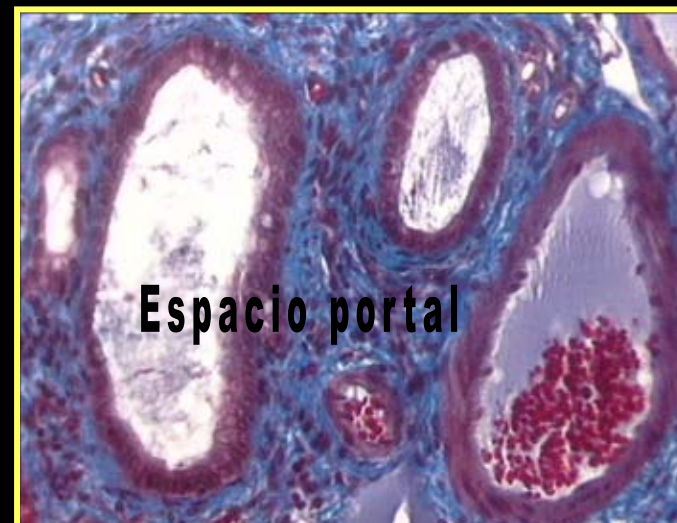
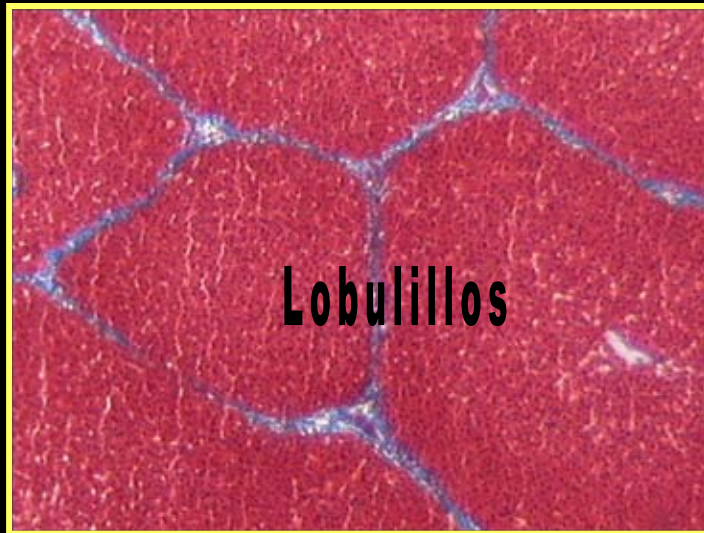


Intestino grueso.

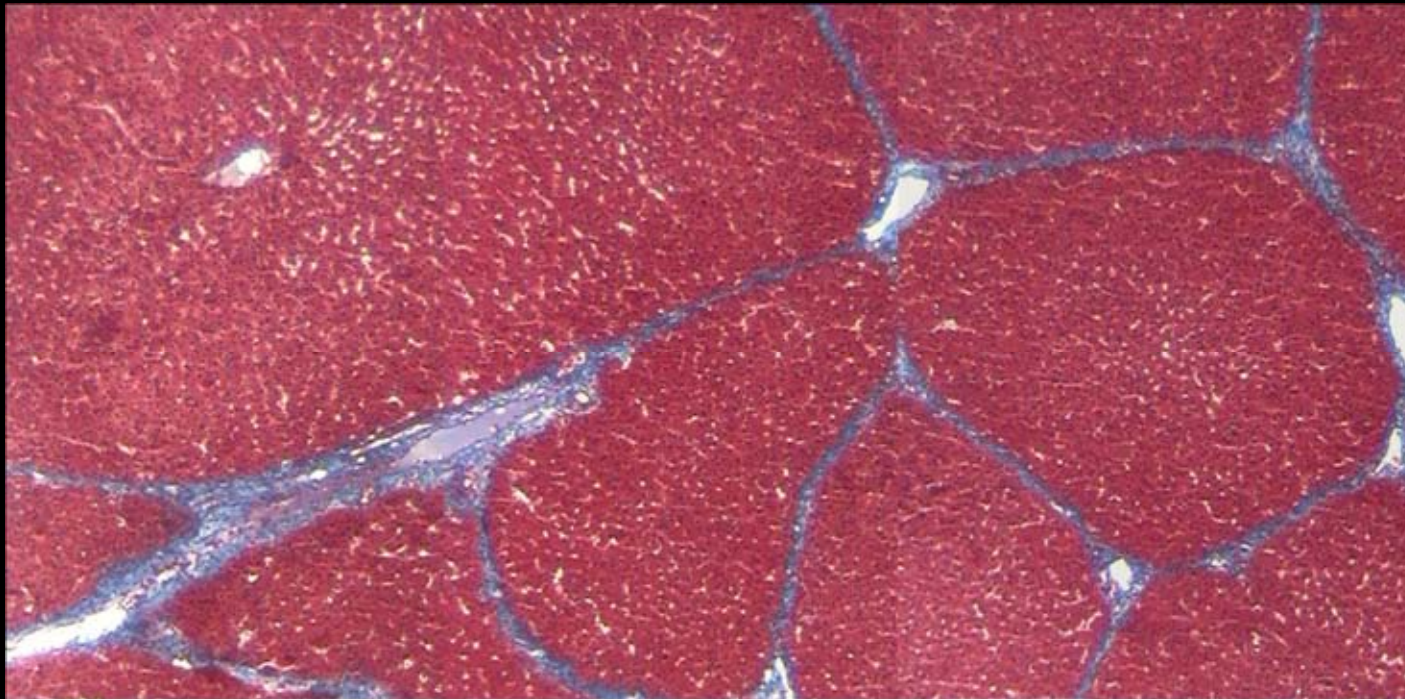


Apéndice. Tricrômico de Masson.

Hígado de cerdo: Tricrómico de Masson

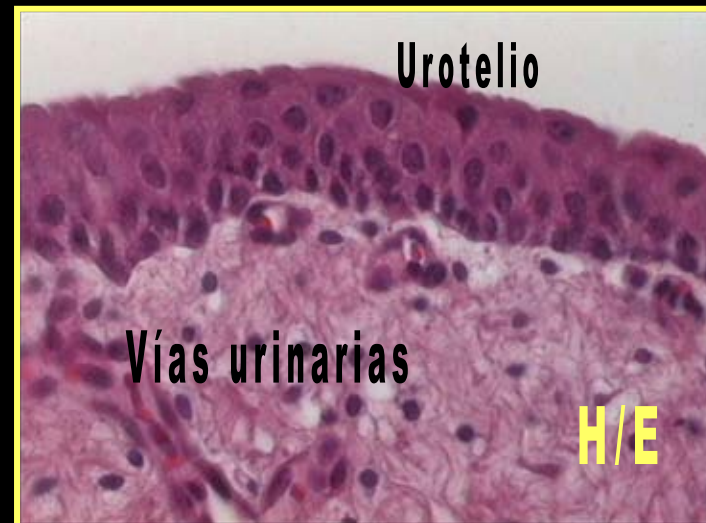
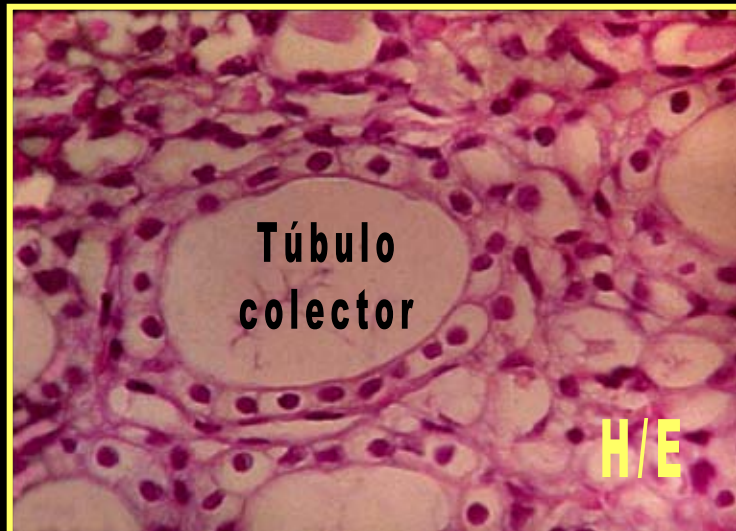
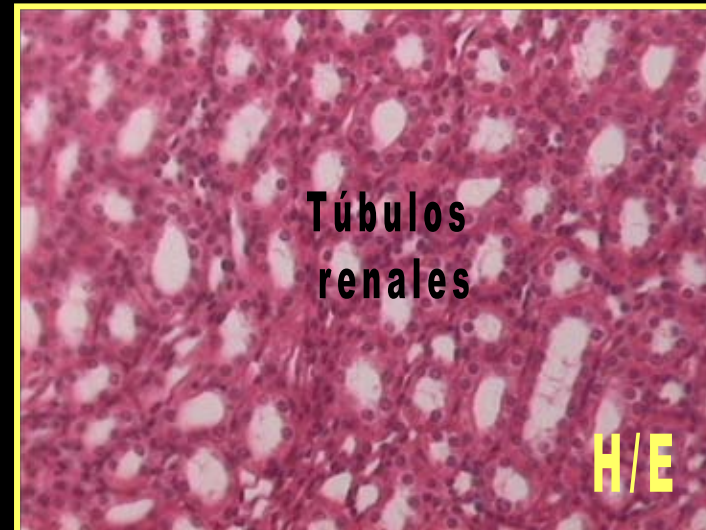
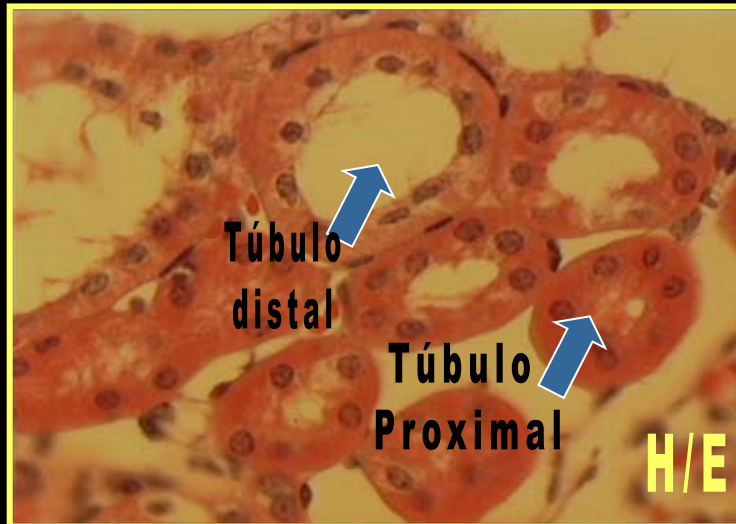


Hígado de cerdo Tricrómico de Masson



Fotocomposición. Se observan los lobulillos hepáticos bien delimitados por tejido conectivo

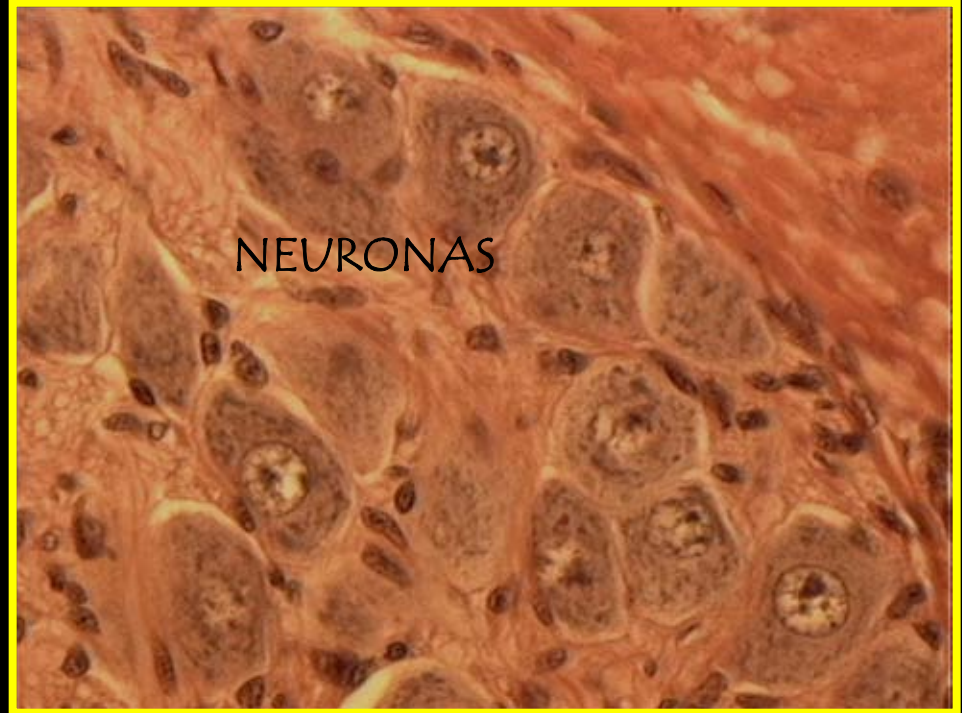
Sistema urinario



Sistema urinario

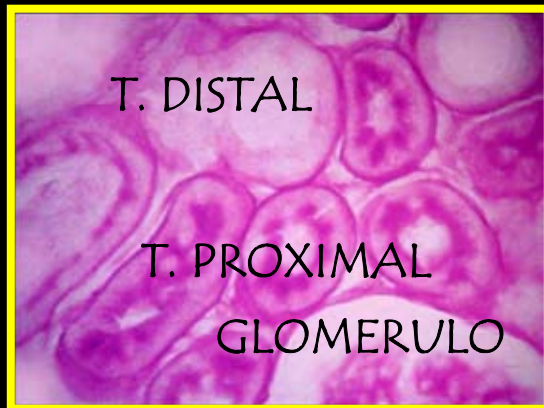


T. Proximales.
Mitocondrias.
Técnica de
Regaud



NEURONAS

VEJIGA. GANGLIO . H/E



T. DISTAL

T. PROXIMAL
GLOMERULO

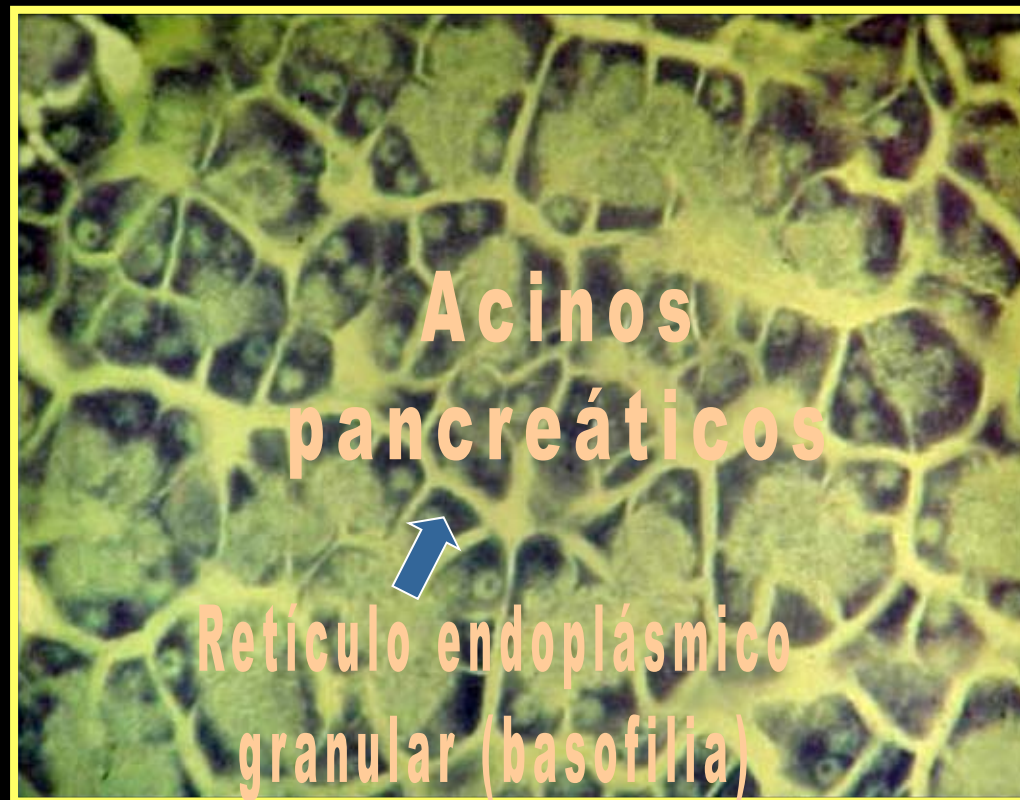
RIÑON. H/E

ISBN 978-987-05-5029-7

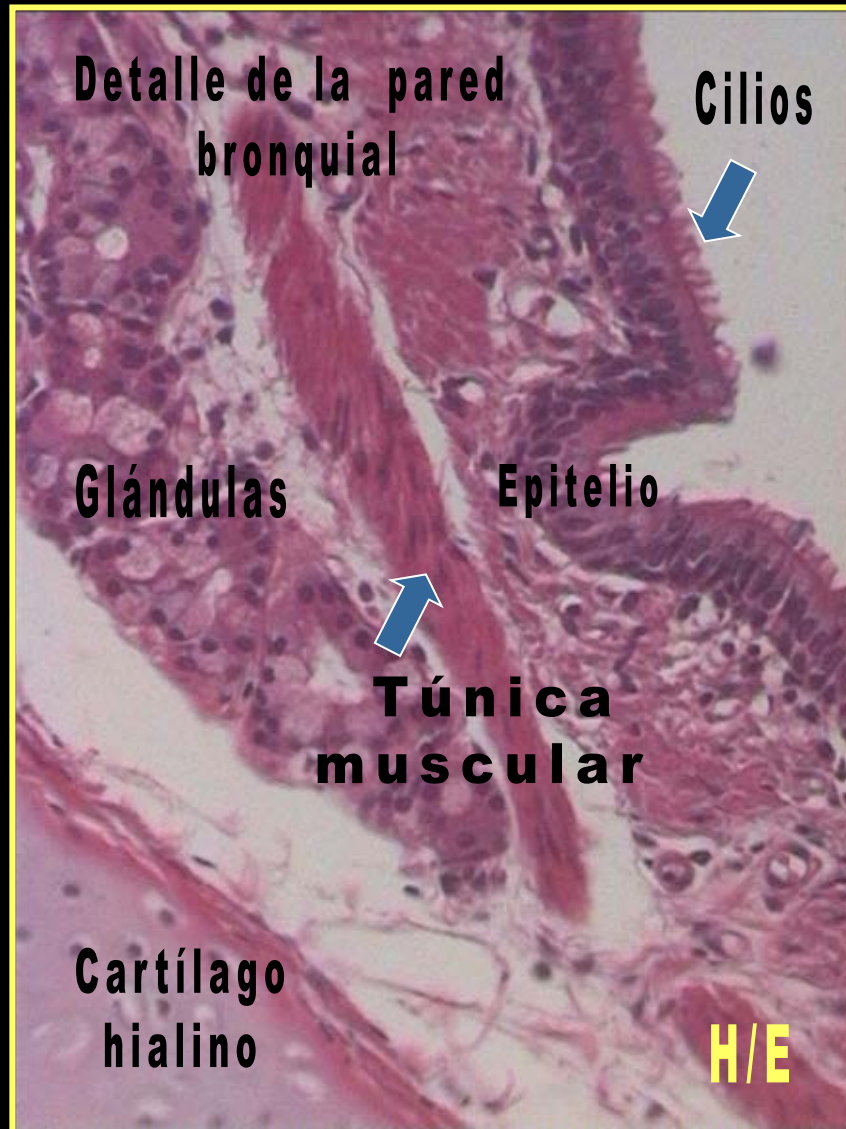
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Pâncreas

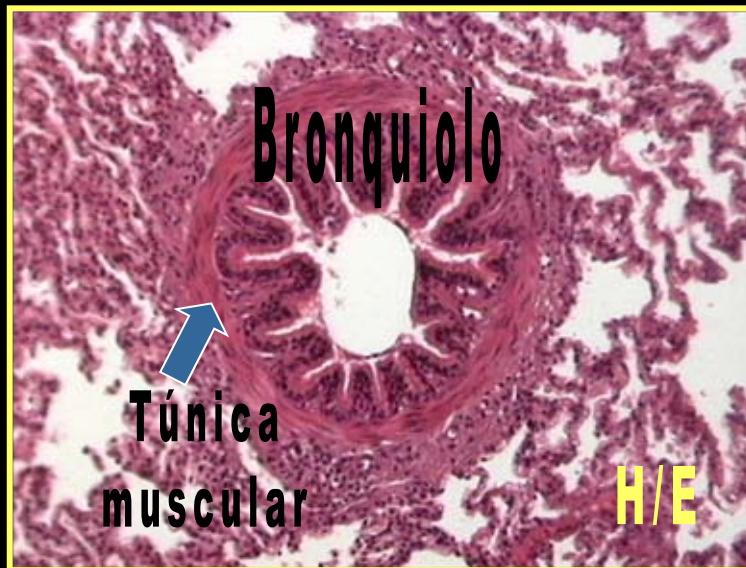
Azul de toluidina



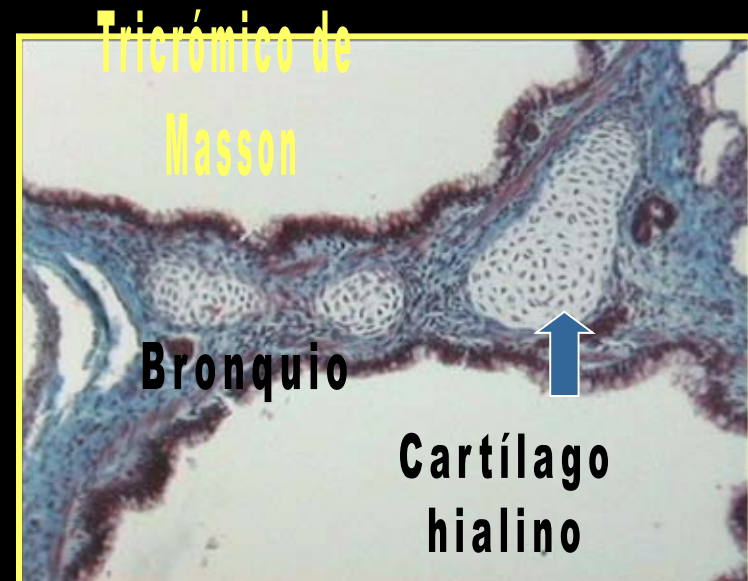
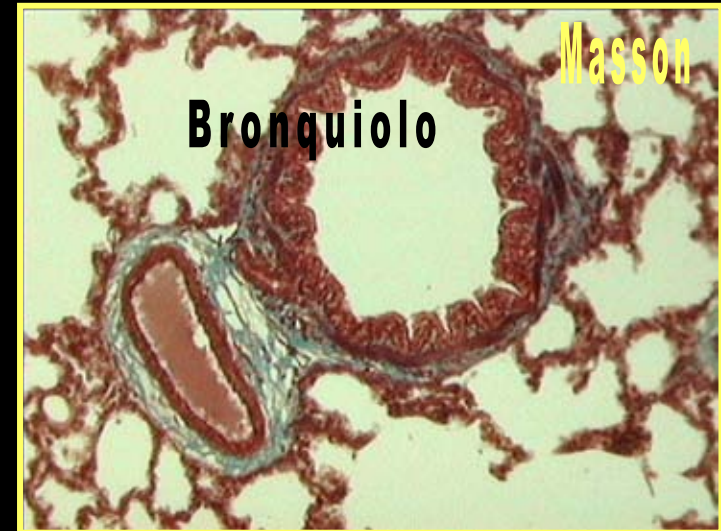
Pulmón



Pulmón



Tricrómico de



*Pulmón: bronquios
Tricrómico de Masson*



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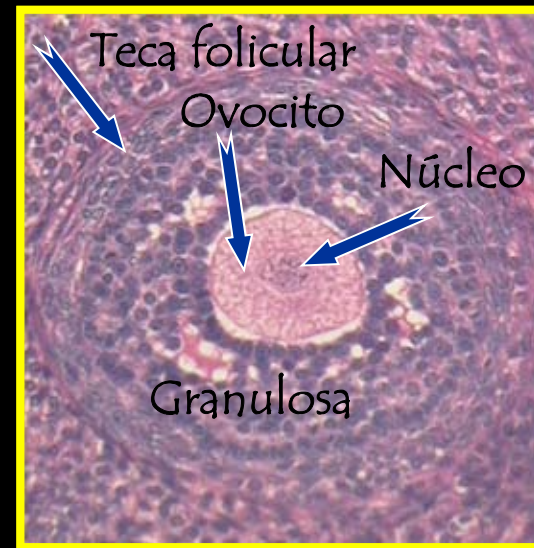
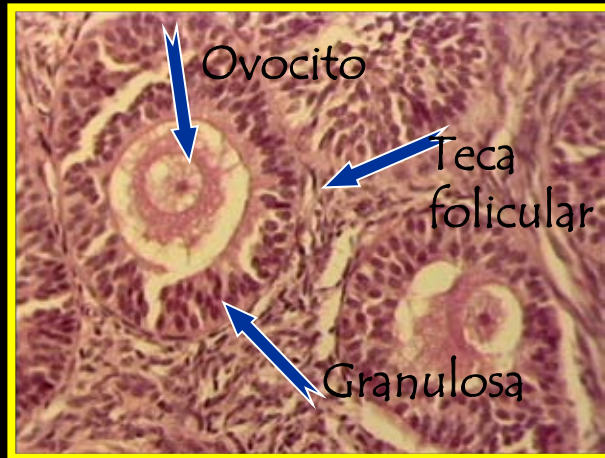
sistema genita!

SISTEMA GENITAL FEMENINO

OVARIO.
H/E.

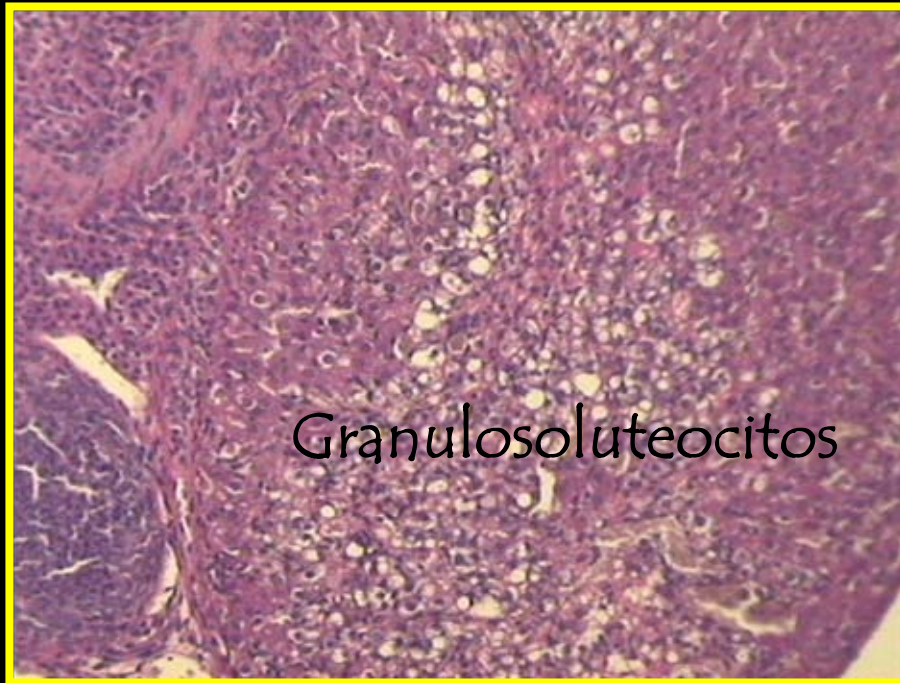


OVARIO.
Folículos.
H/E.



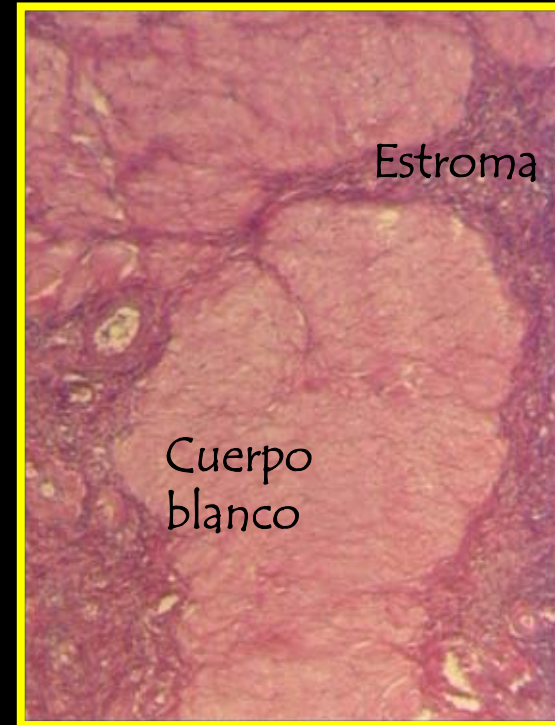
OVARIO.
H/E.

SISTEMA GENITAL FEMENINO



Granulosoluteocitos

OVARIO. CUERPO LUTEO. H/E



Estroma

Cuerpo
blanco

OVARIO. CUERPO BLANCO. H/E

SISTEMA GENITAL FEMENINO



CUERPO DE UTERO. ENDOMETRIO.
FASE SECRETORA. H/E.

SISTEMA GENITAL FEMENINO

VAGINA. H/E



Epitelio
escamoso
estratificado



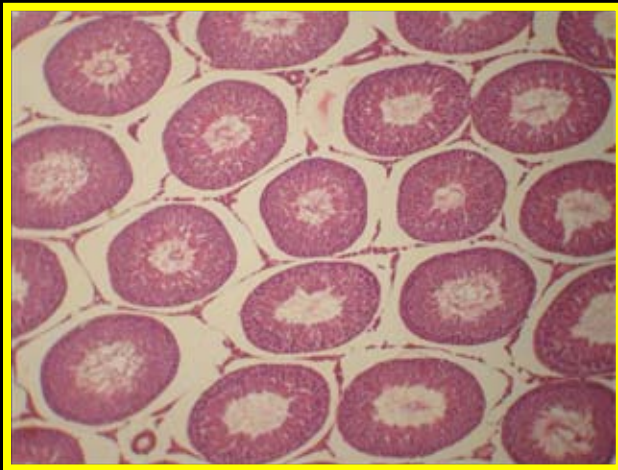
Pliegues
mucosos

TROMPA
UTERINA
H/E

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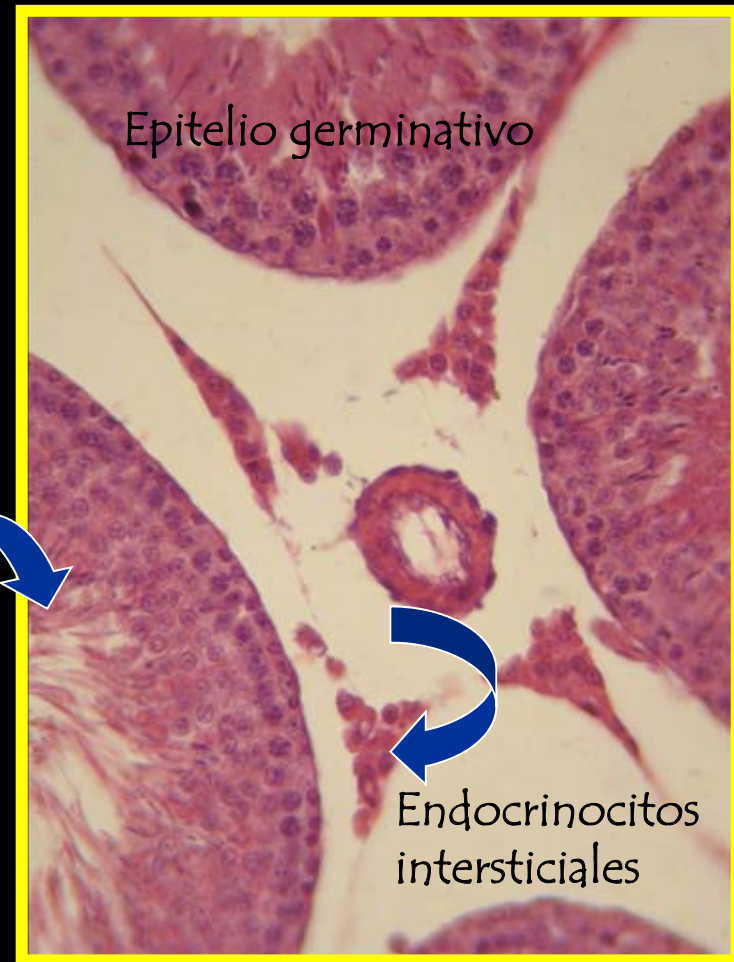
SISTEMA GENITAL MASCULINO



Testículo.
H/E



Túbulo
seminífero

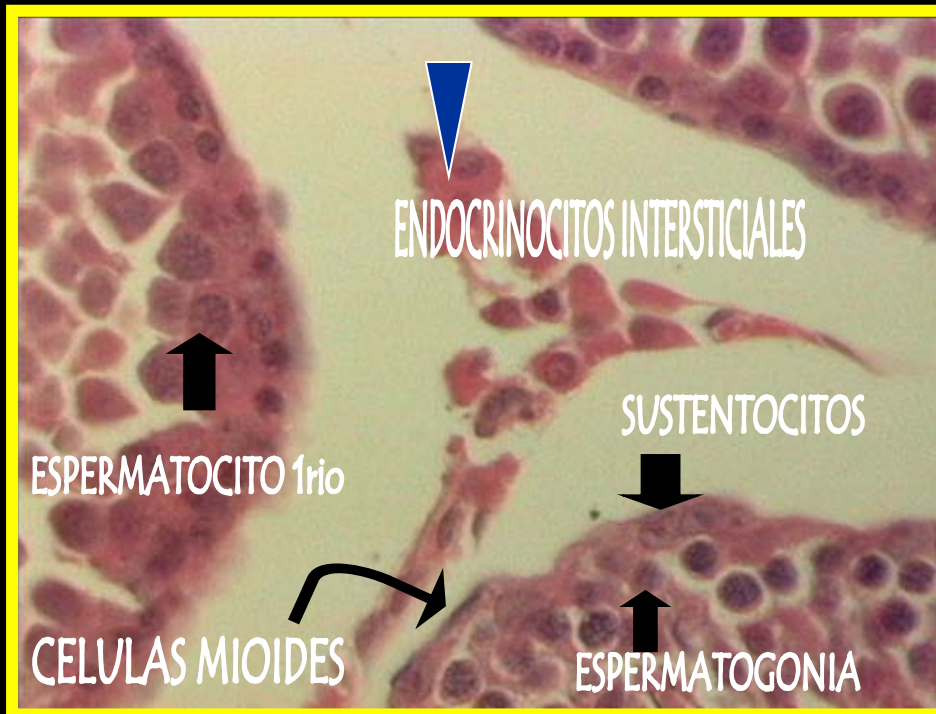


Epitelio germinativo

Endocrinocitos
intersticiales

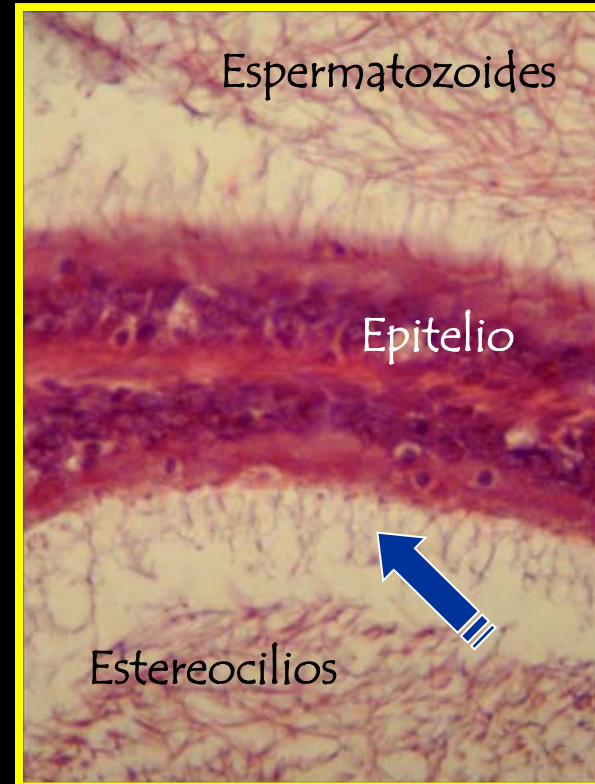
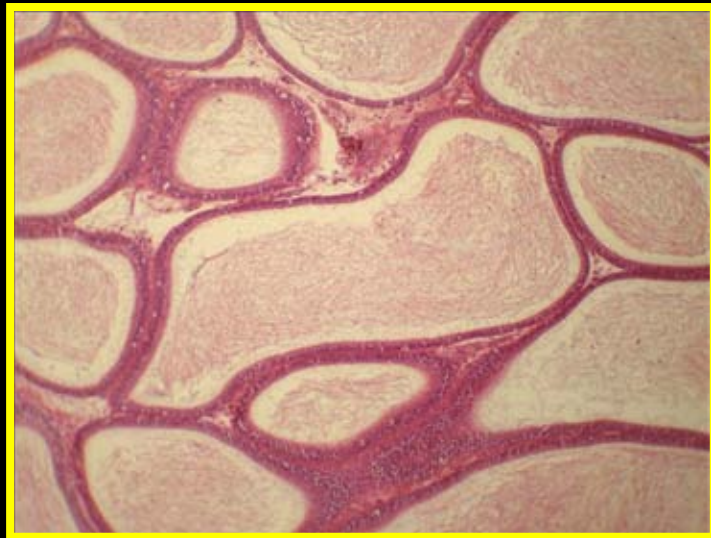
SISTEMA GENITAL MASCULINO

TUBULO SEMINIFERO



TESTICULO. H/E. 40x

SISTEMA GENITAL MASCULINO



Epidídimo. H/E

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SISTEMA GENITAL MASCULINO



Glândulas

Estroma conectivo/
muscular



Concreción
prostática

Próstata. H/E