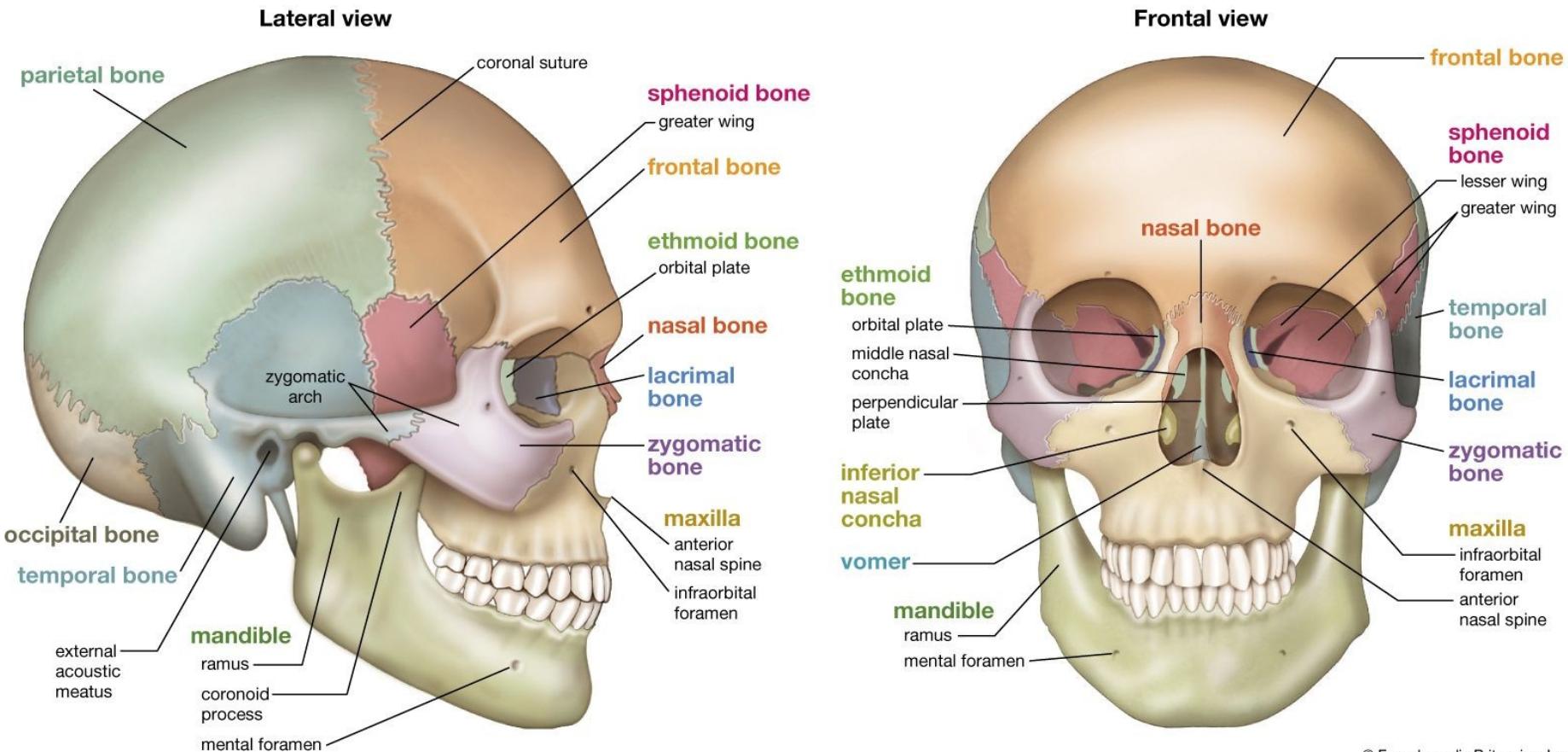
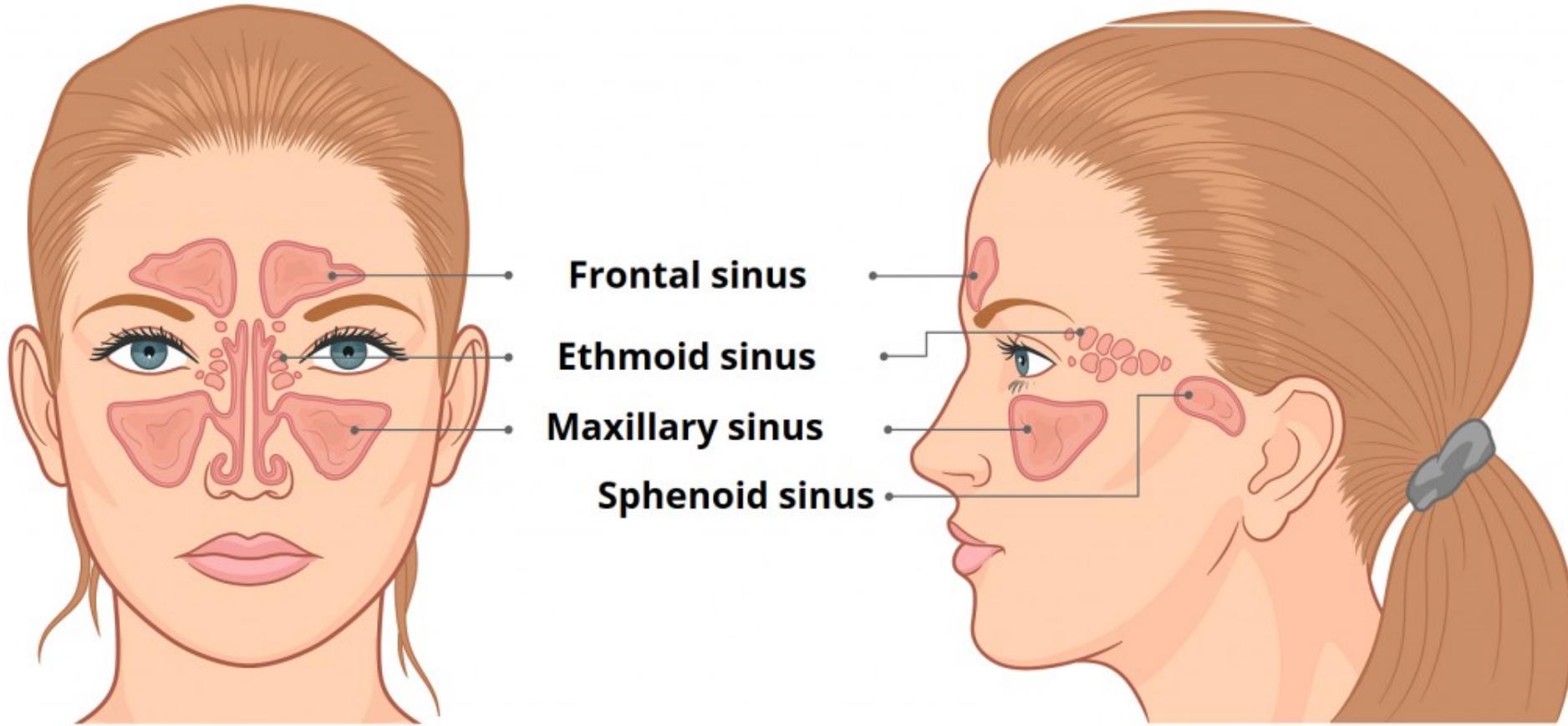


Kostra - lebka

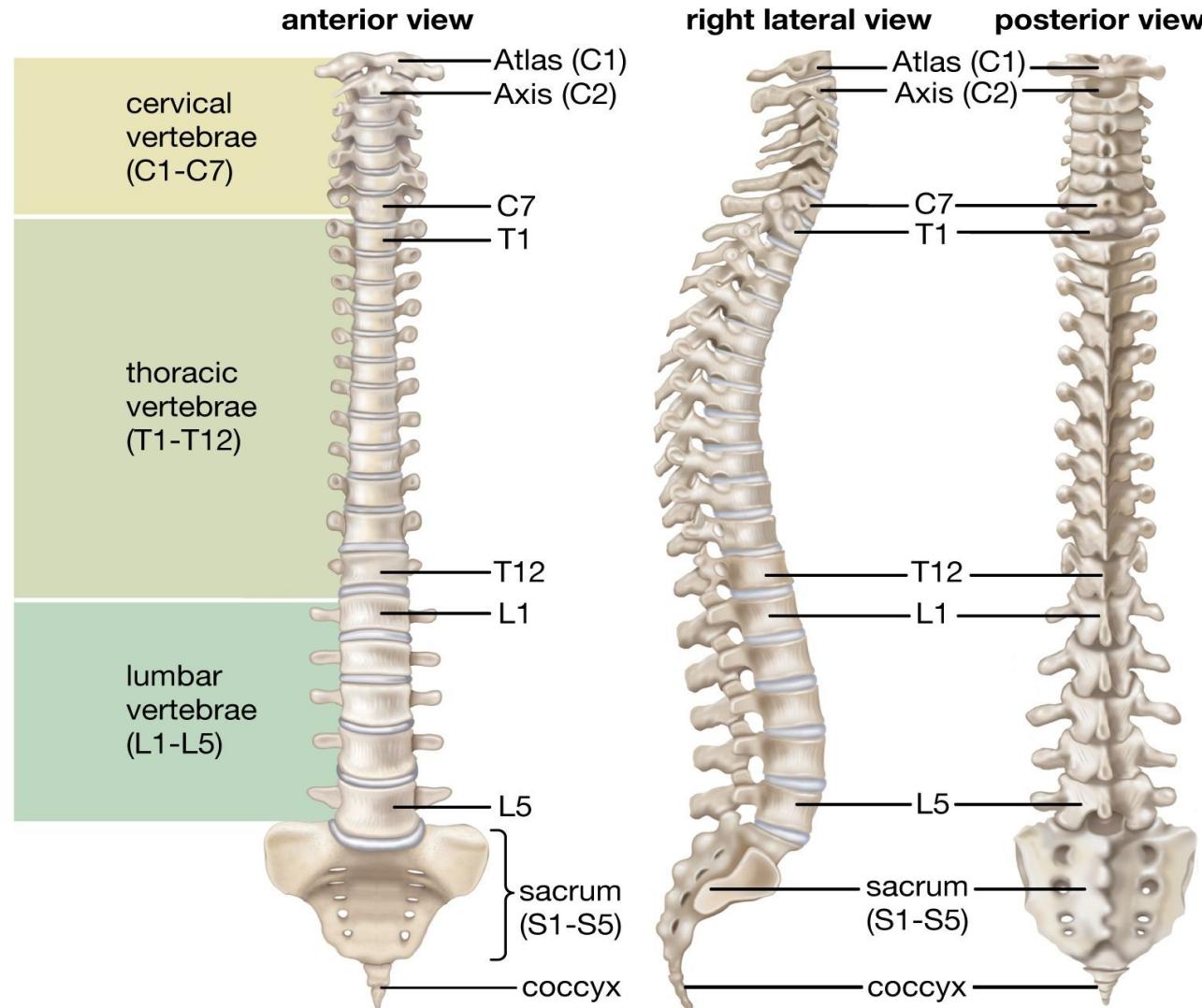


© Encyclopædia Britannica, Inc.

Vedlejší dutiny nosní – sinus paranasales



Páteř – Columna vertebrarum



<https://www.britannica.com/science/vertebra>

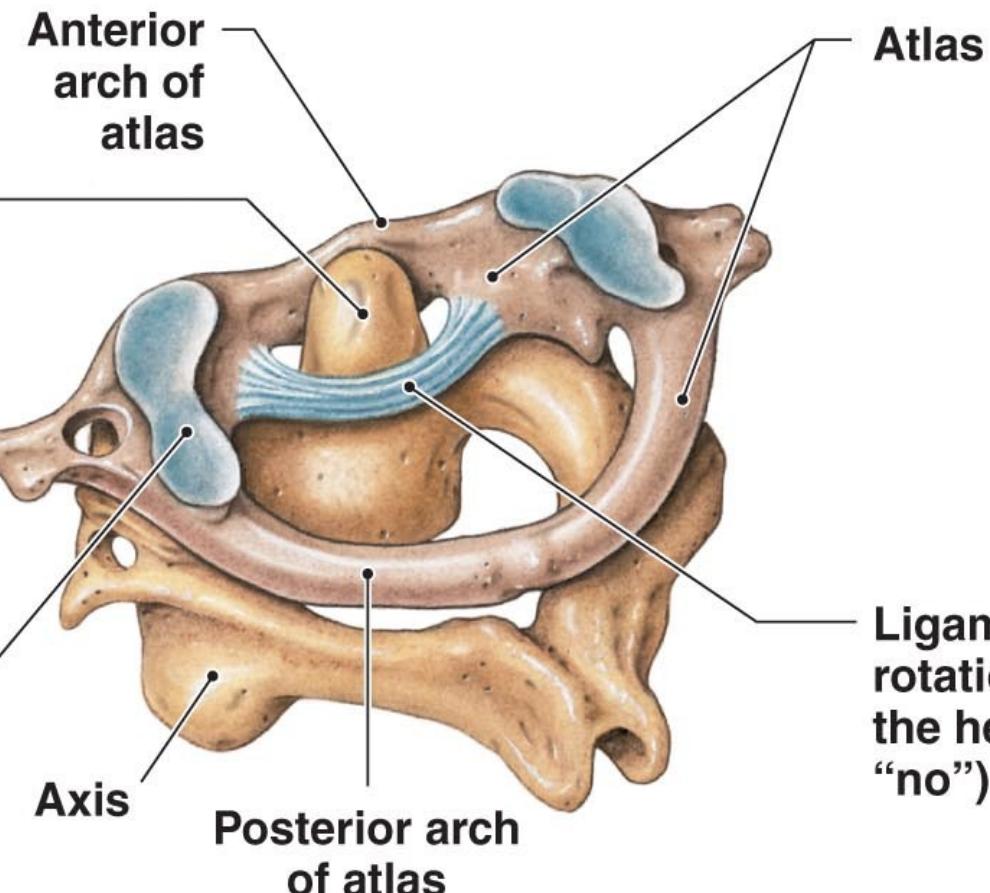
Spojení Atlas – axis C1- C2

https://youtu.be/am_OPxAXGK4

The first two cervical vertebrae: the atlas and the axis

Dens (odontoid process)

Joint that permits nodding (as in indicating "yes")

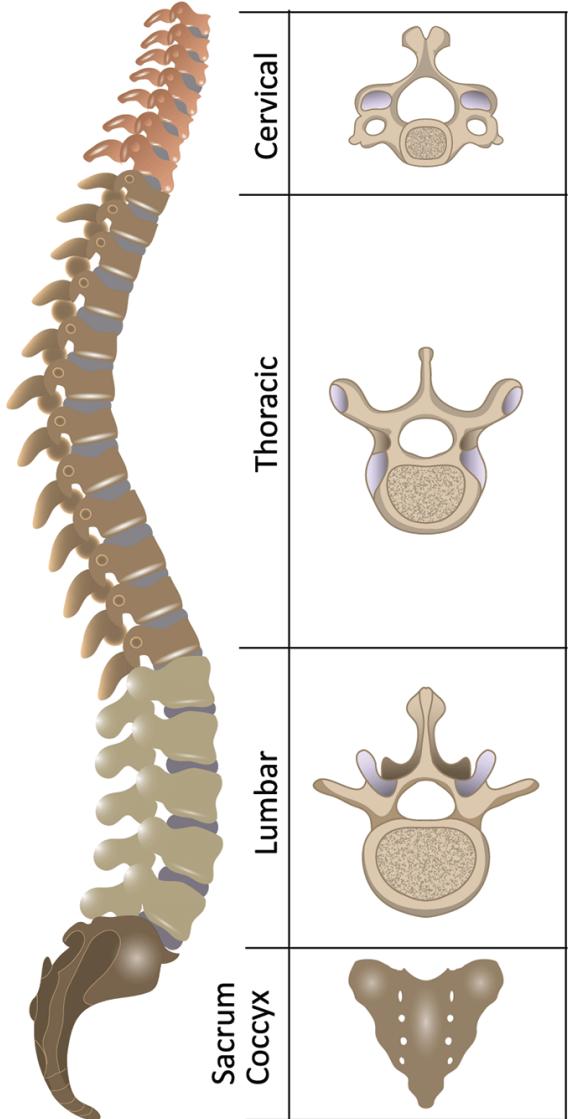


Ligament that enables rotation (as in shaking the head to indicate "no")

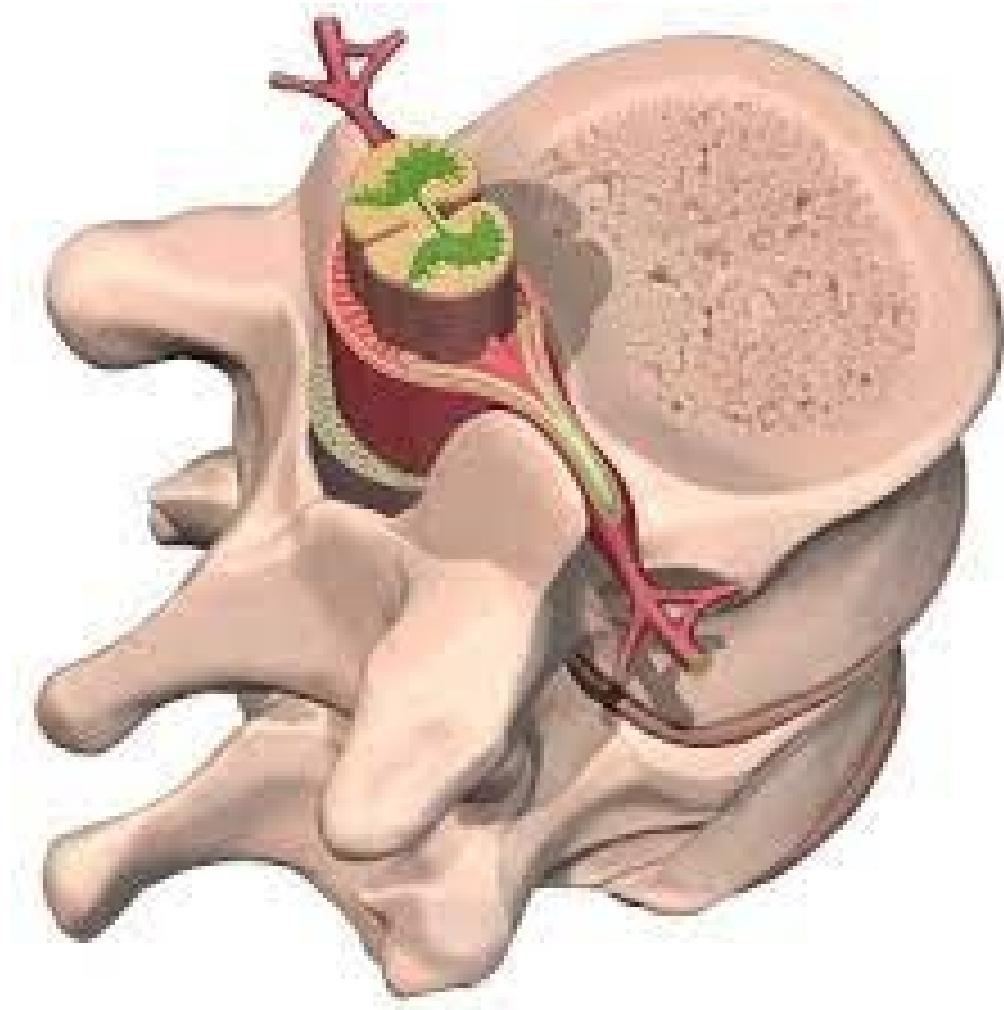
https://www.google.cz/search?q=connection+atlas+axis&tbo=m&isch&ved=2ahUKEwibrbbG0sz7AhXBZ7sIHcvZDJEQ2-cCebQJABAA&oq=connection+atlas+axis&gs_lcp=CgNpbWcQAz0ECAQQz0FCAAQgAQ6CABAEGAEIAEELEDQgIABAeOgcIAABCABBACTOGtJABAFB4QFzoICAAQCBAeFBM6BB8AFgQHICCVicOWCaQWgACB4A1ABgQGfIAfQk8EFMTUMTCYAQgAQgqAtRhd3Mtd216LWitZ8ABAQ&scrlt=img&ei=h3GCY9vOLcgf7_upy7OziAk&bih=609&biw=1263&hl=cs#imgrc=CWUWn64vQ0eZEUM

Obratel, stavba

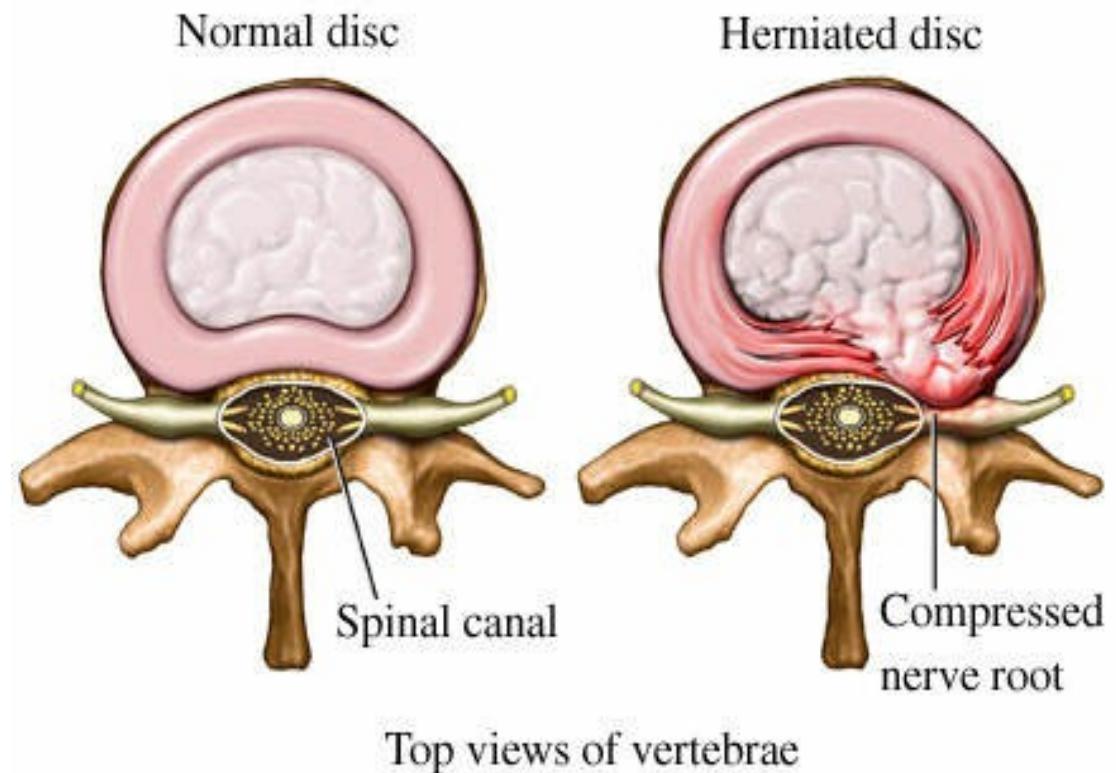
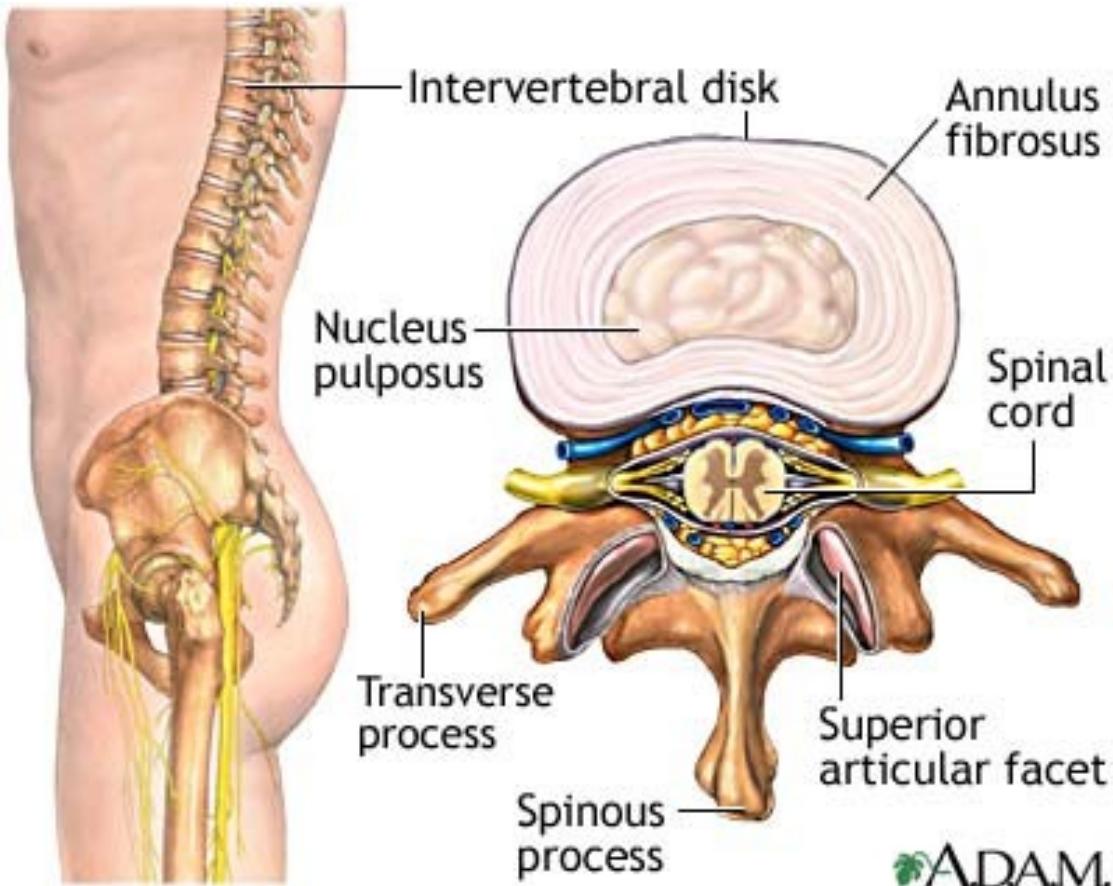
Vertebral
vertebrae



vertebra, vertebrae



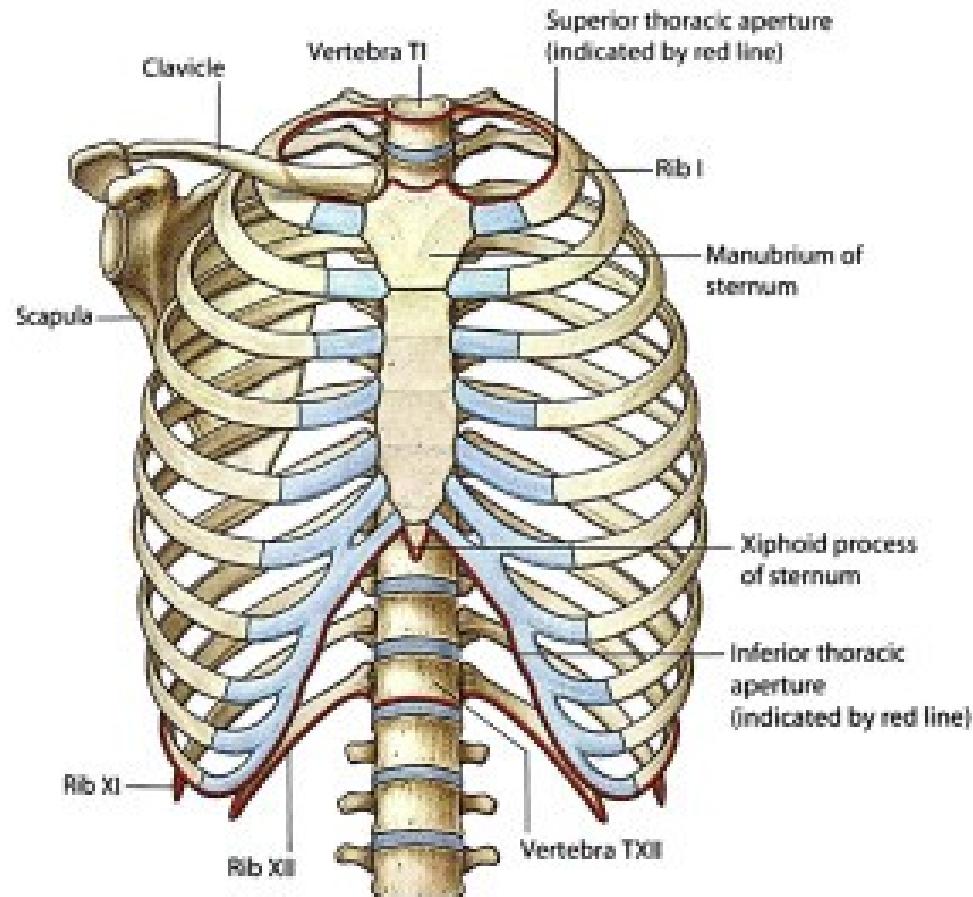
Meziobratlové ploténky, discus intervertebralis



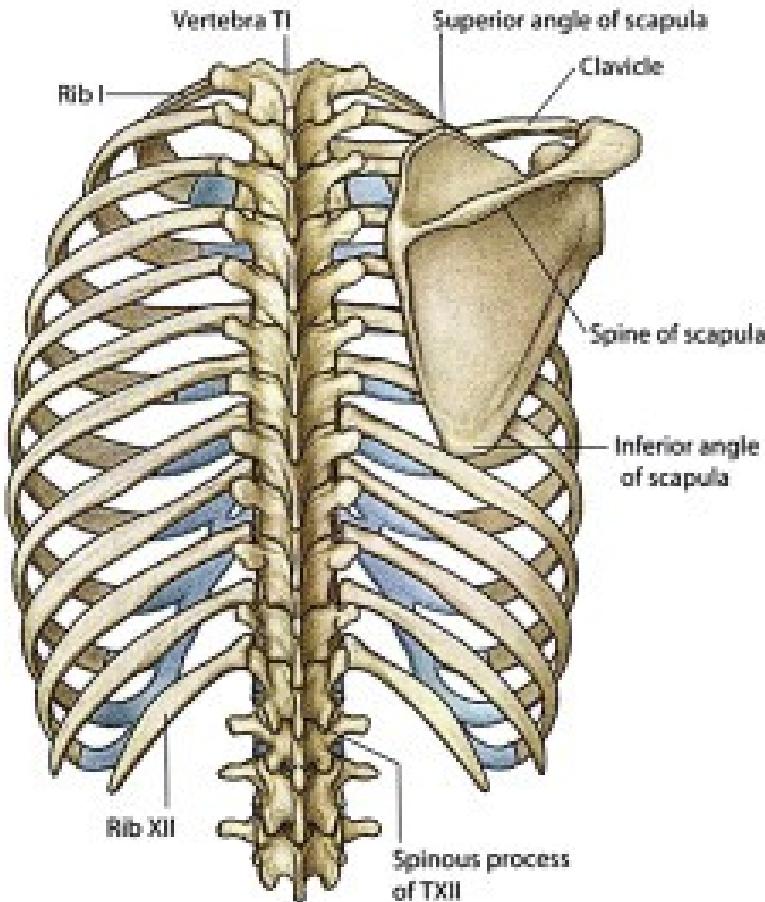
https://www.google.cz/search?q=discus+intervertebralis&tbm=isch&ved=2ahUKEwjz69OI18z7AhX-xgIHHDwC5AQ2-cCegQIAA&oq=discus+inter&gs_lcp=CgNpbWcQRgAmGUiABCABDIECAAQHjIECAAQHjIECAAQHjIECAAQHjIGCAAQBR AeMgYIABAIEB4yBAgAEB4yBAgAEB46CAgEAIAELEDQgQiABBDULQjWLkhYNYvaAbwAHgAgAGqAogBgvSAQU0LjguMZgBAKABA aoBC2d3cy13aXotaW1nwAEB&sclient=img&ei=Q3aCY7O-NP6Ni-gP0OGtgAk&bih=255&biw=628#imgrc=qNgHkOmRuirAM

https://www.google.cz/search?q=prolaps+discus+intervertebralis&tbm=isch&ved=2ahUKEwjkrMGE2Mz7AhWRNewKHTR9D9gQ2-cCegQIAA&oq=prolaps+discus+intervertebralis&gs_lcp=CgNpbWcQAzoFCAAQgAQ6BggAEAcQHjoECAAQHIDLLiaQGCqRGgAcAB4AIAB0QGIAYglkgEFNC40LjGYAQCGqAQtn3Mtd2l6LWltZ8ABAQ&sclient=img&ei=R3eCY6TtJJHrsAe0-r3ADQ&bih=255&biw=628#imgrc=jK64SpwG6sGqM

Hrudník, Thorax



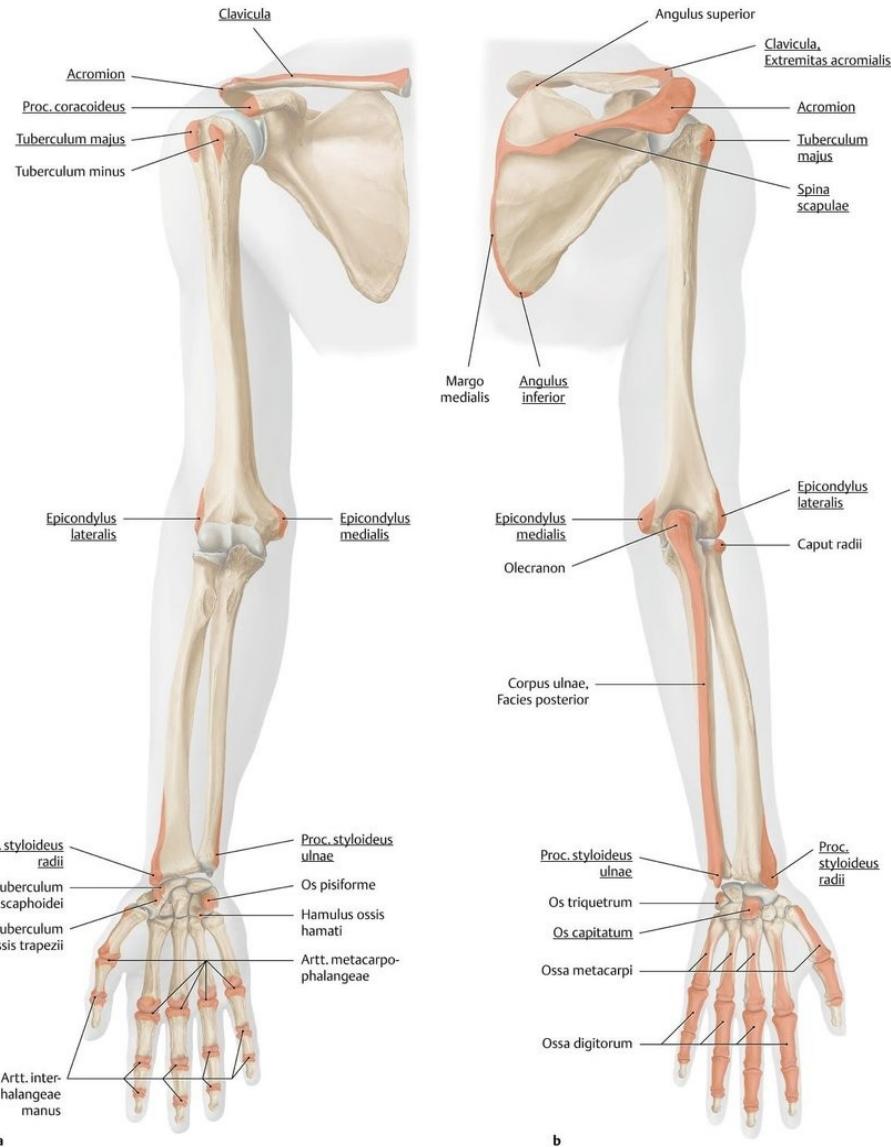
Bony framework of thorax (anterior view)



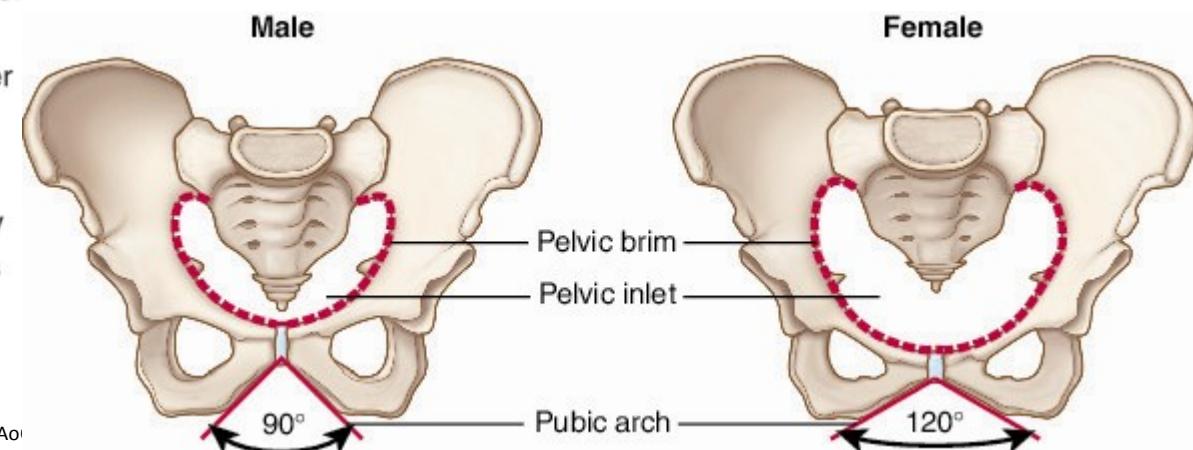
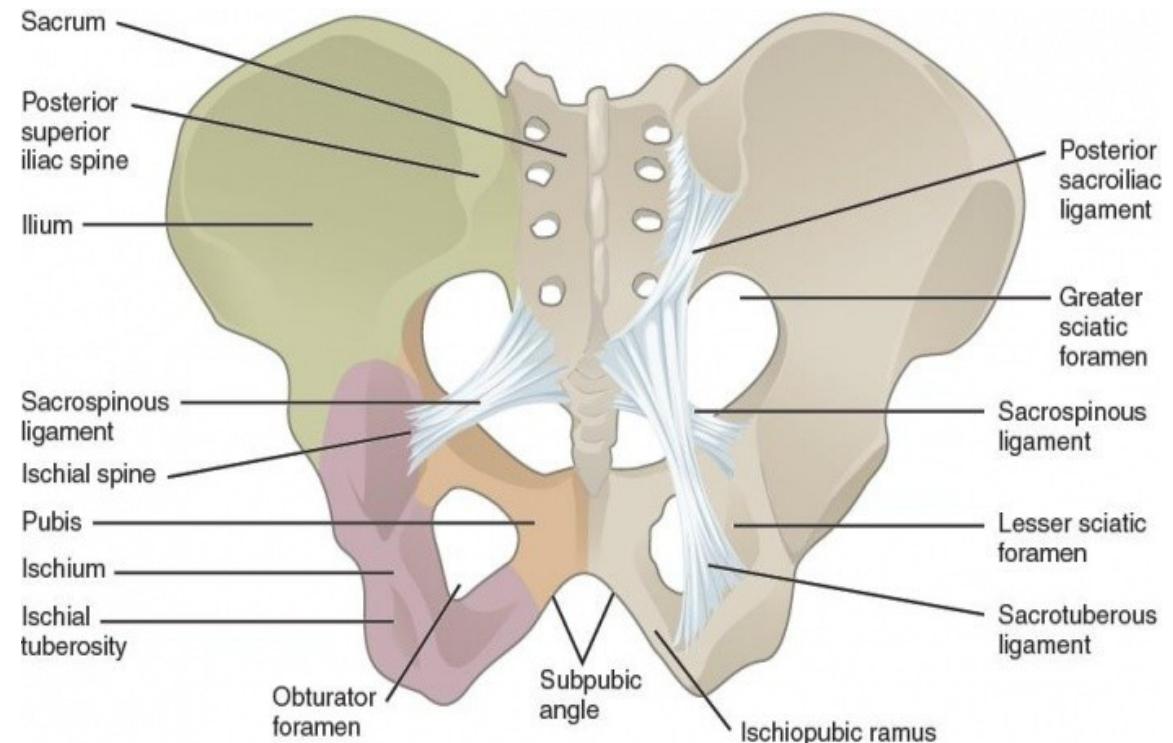
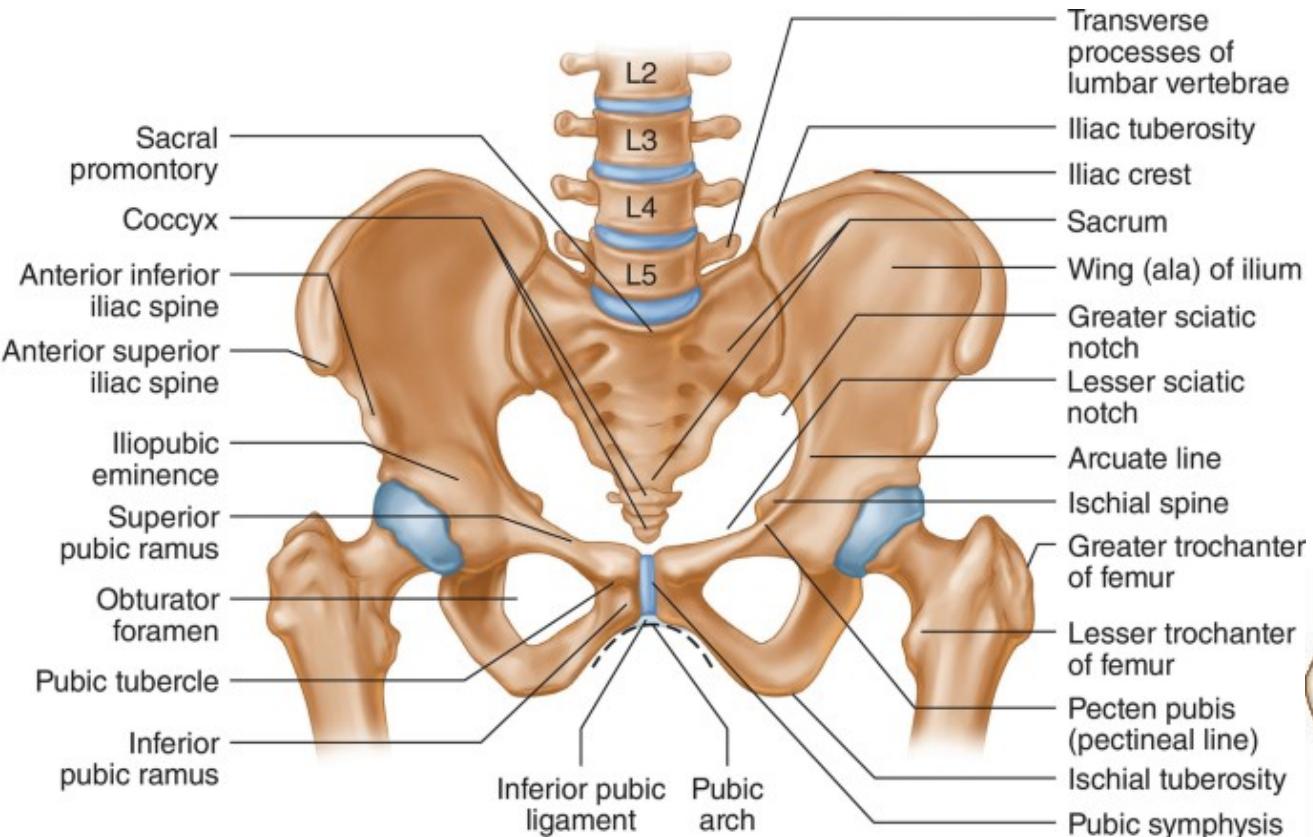
Bony framework of thorax (posterior view)

Pletenec horní končetiny

<https://youtu.be/D3GVKjeY1FM>



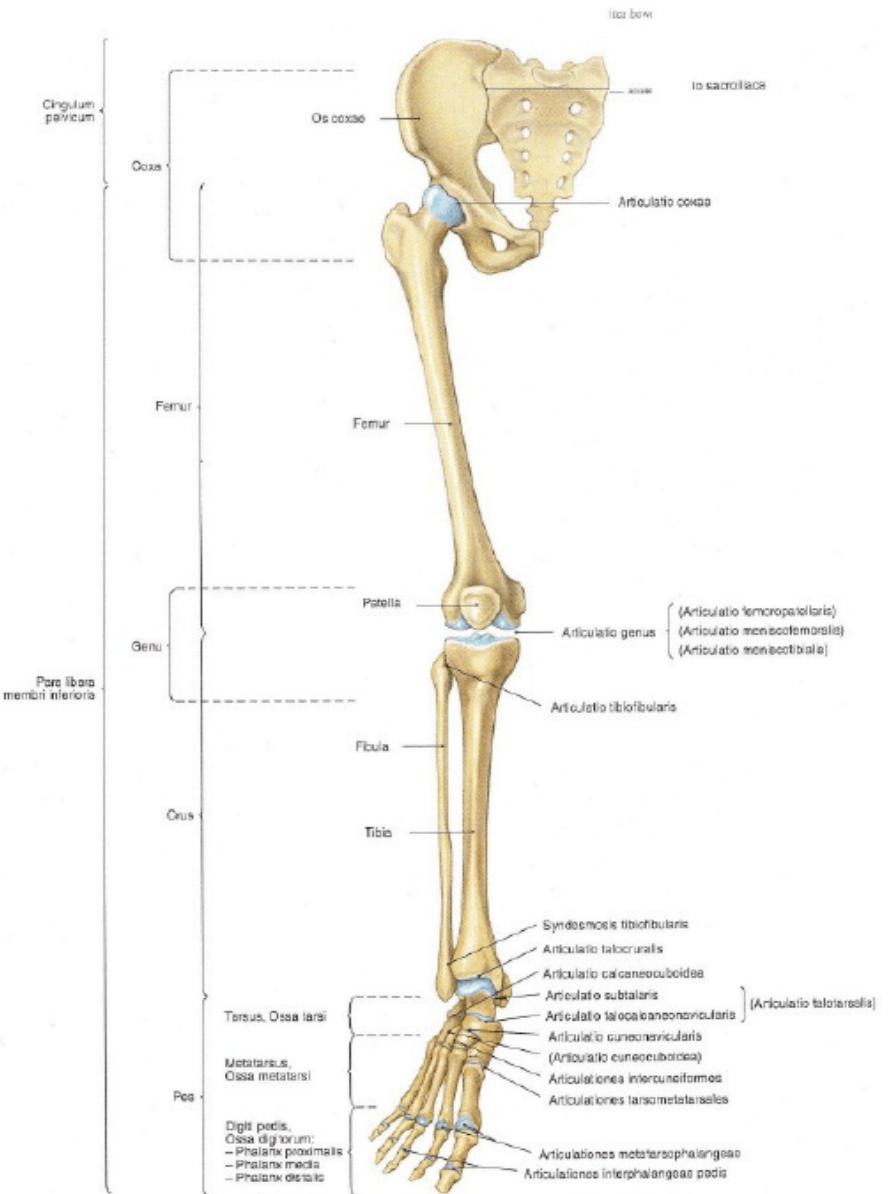
Pánev - pelvis



https://www.google.cz/search?q=pelvis&hl=cs&tbo=isch&source=lnms&sa=X&ved=2ahUKEwiqjrHI28z7AhX7iv0HHQ9XAGwQ_AUoAXoECAoAw&biw=1280&bih=609&dpr=1.5#imgrc=BlqFcEMwMyHyOM

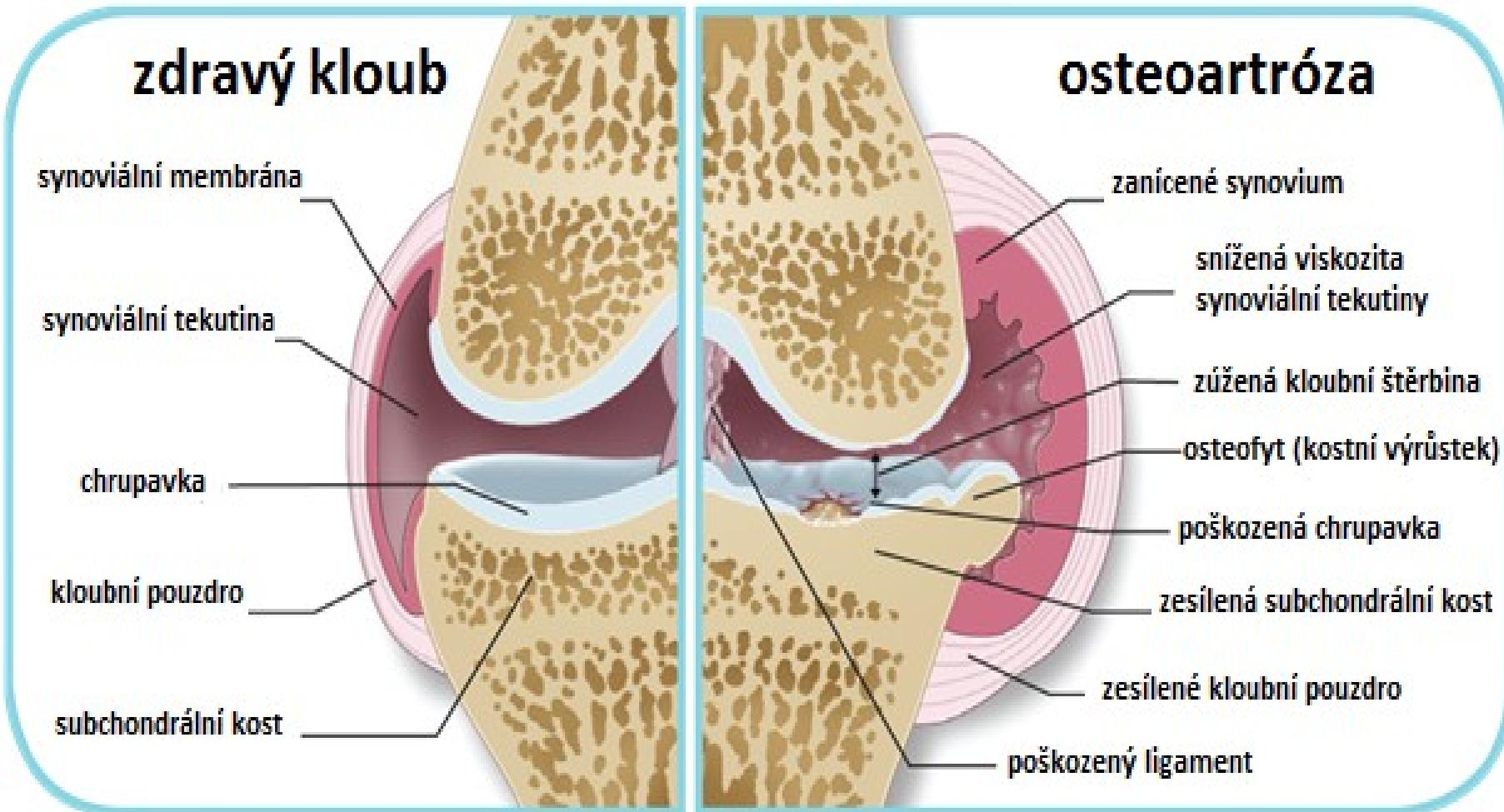
<https://nursing.unboundmedicine.com/nursingcentral/view/Tabers-Dictionary/764020/all/pelvis>

Pletenec dolní končetiny



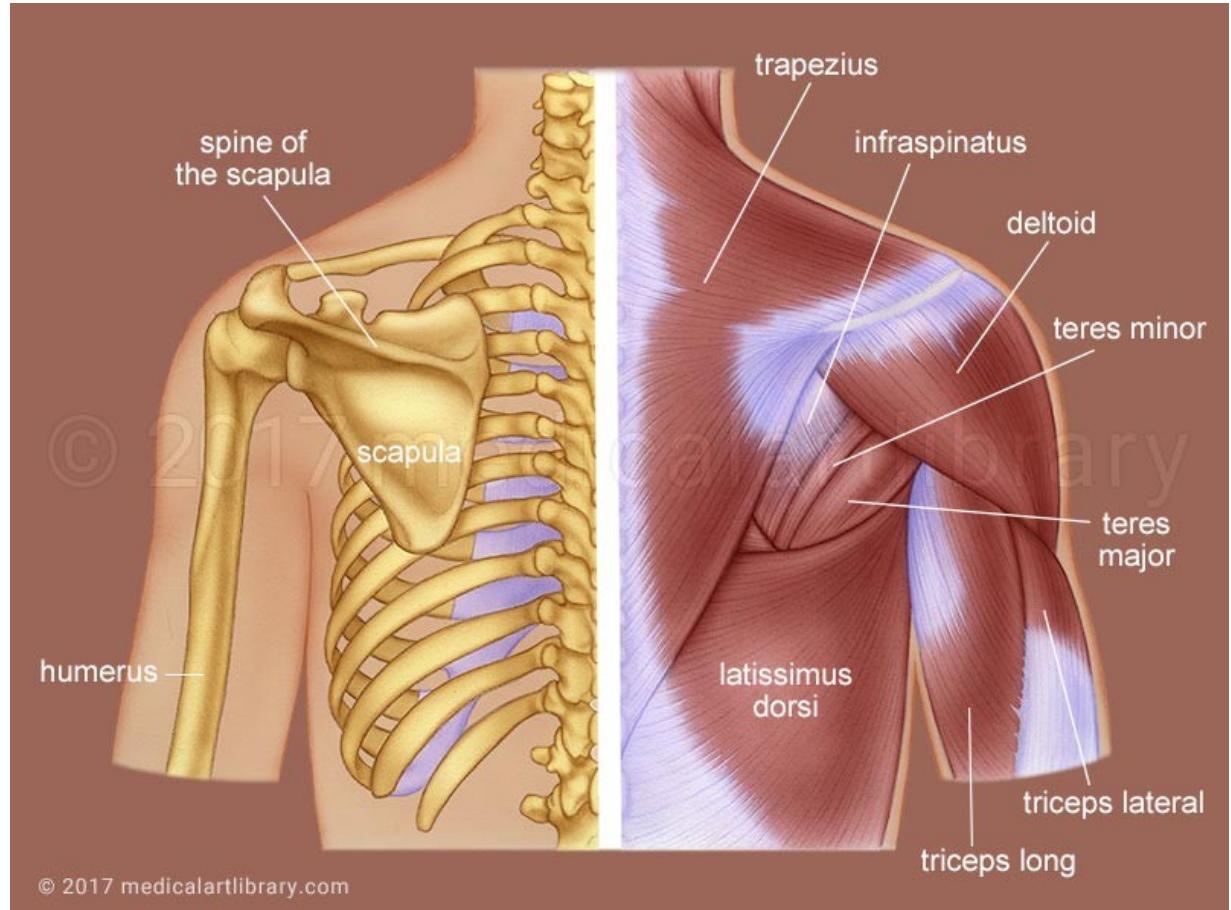
https://www.google.cz/search?q=extremitas+inferior&tbm=isch&ved=2ahUKEwi4joTp2z7AHVfhv0HHypDSSQ2-cCegQJABAA&oq=extremitas+inferior&gs_lcp=CgNpbWcOAZhCAQgAQOEziICAQRAeFBMycAgAEAUOhHATMggIABAeFB4QEziGCAAQHIAQHICdEFWNNmdFQ2AcBAIABrpAGIAeMQgEOC4MpGBAKAAoBC203cy13aXotaW1hwAEB&client=img&ei=p3UCY_Jyk&WM9u8Piu52Aw&bih=609&biw=1280&hl=cs#imgrc=n03v5HkbRcUYM

Stavba kloubu

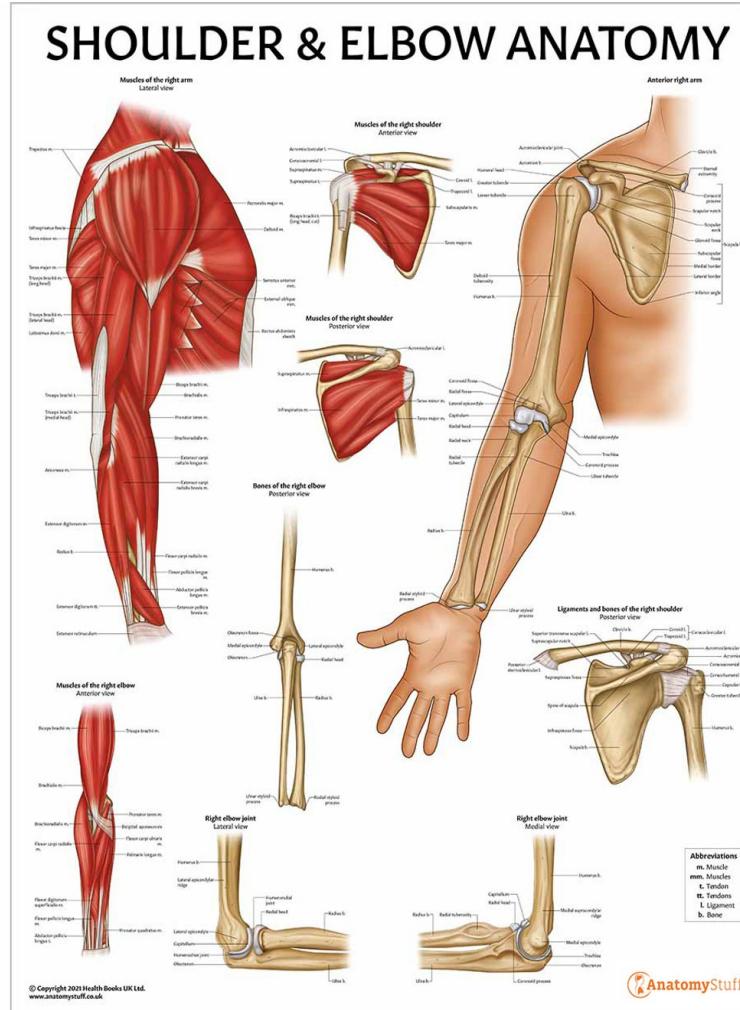


Ramenní kloub

- <https://www.youtube.com/watch?v=D3GVKjeY1FM>



Loketní kloub – articulatio cubiti



Klouby ruky – articulatio manus

<https://www.dreamstime.com/arm-hand-bone-vector-illustration-arm-hand-bone-image178009684>

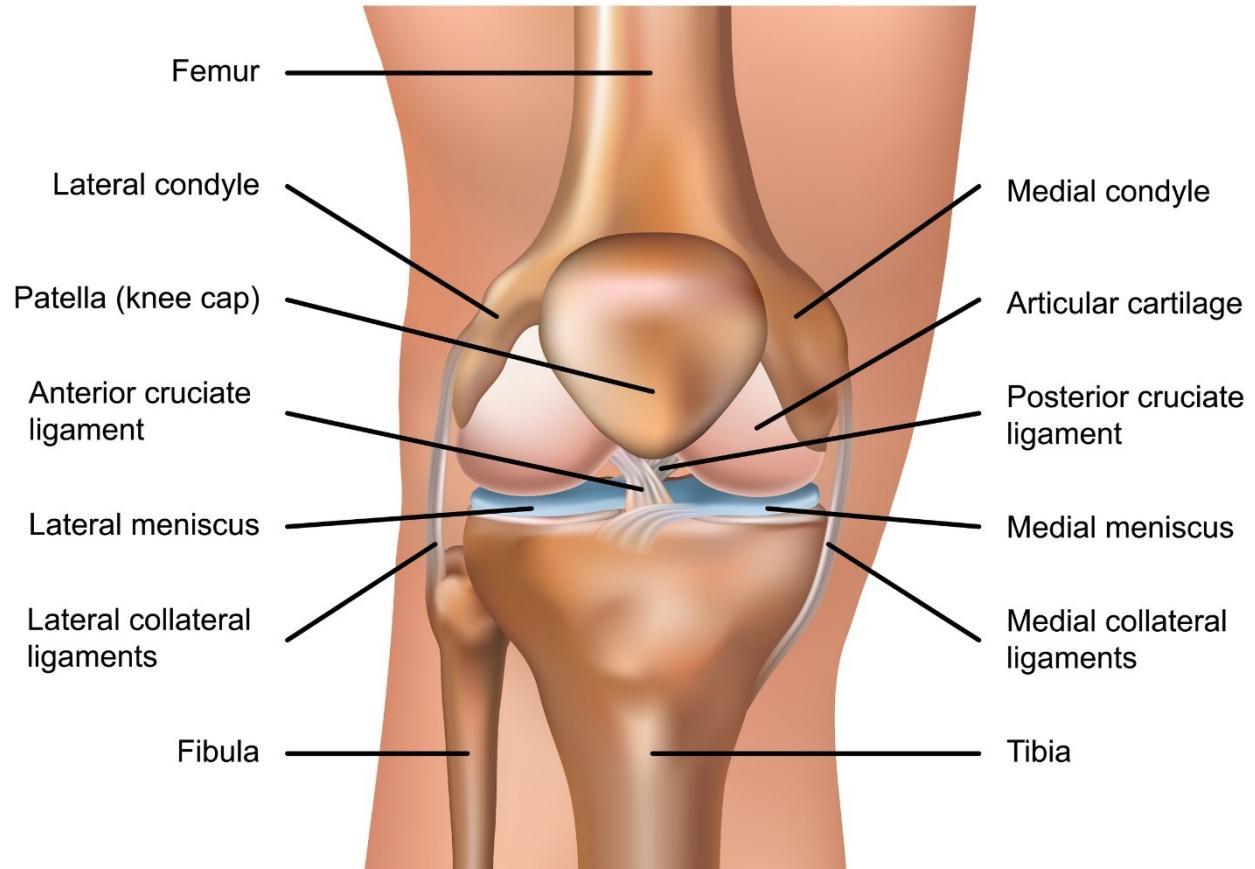


HAND BONE

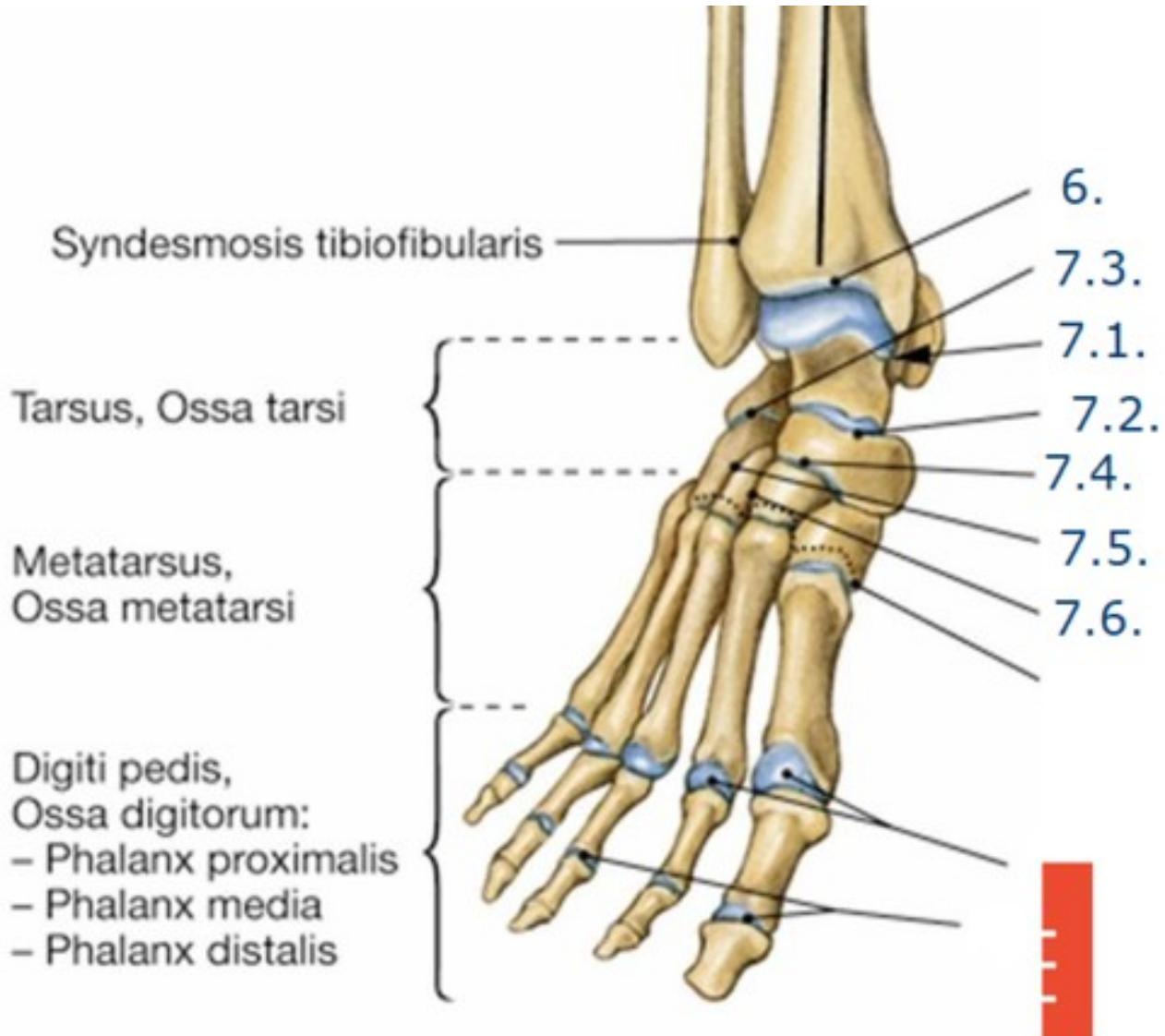
Lorem ipsum dolor sit amet, consectetur
elit, tempor incididunt labore et dolore.

Kolenní kloub

- <https://www.youtube.com/watch?v=q-Jxj5sT0g>

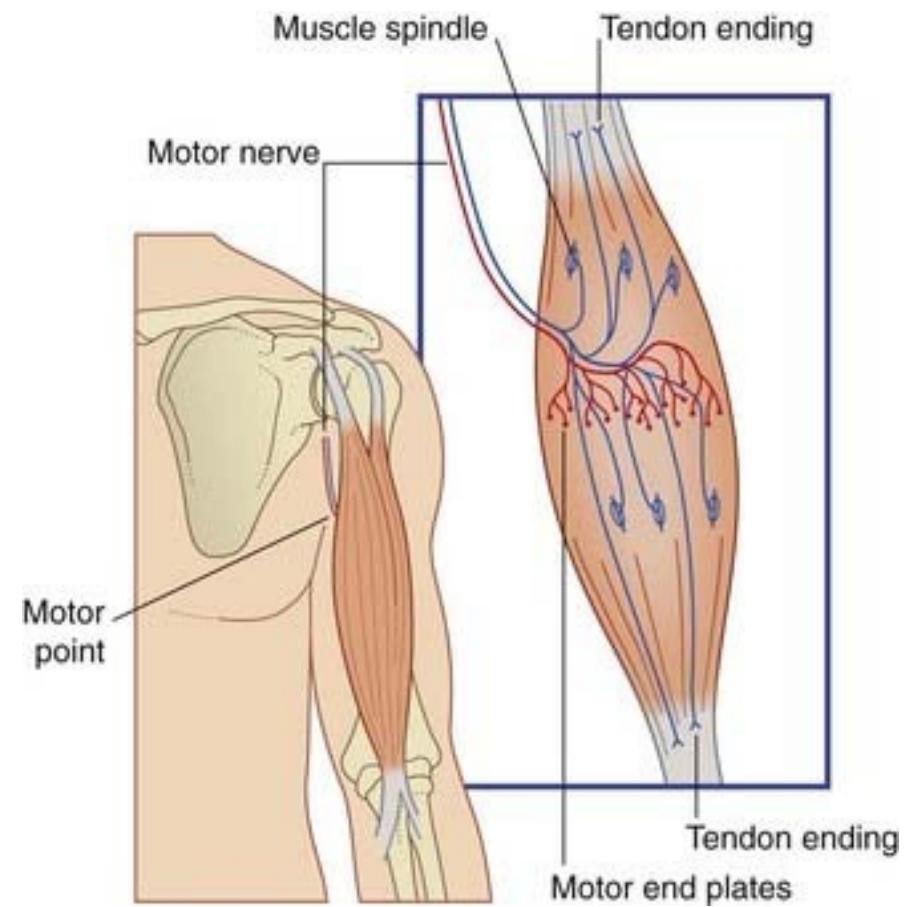
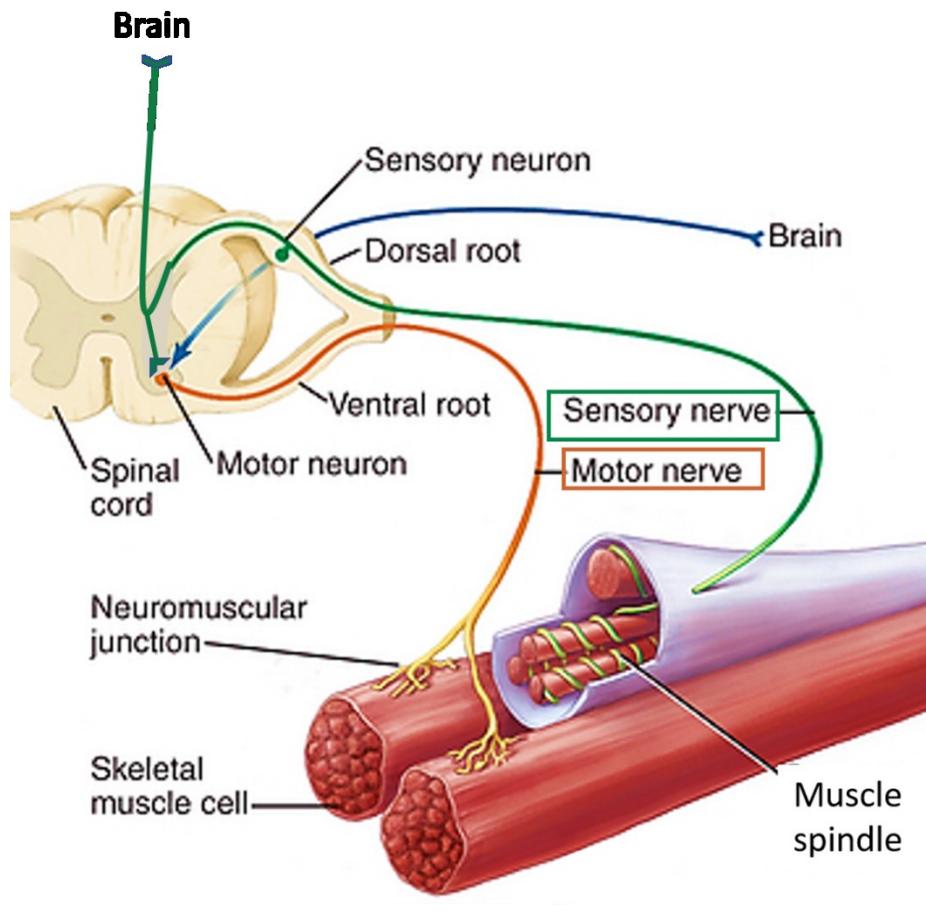


Kloub hlezenní articulatio talocruralis

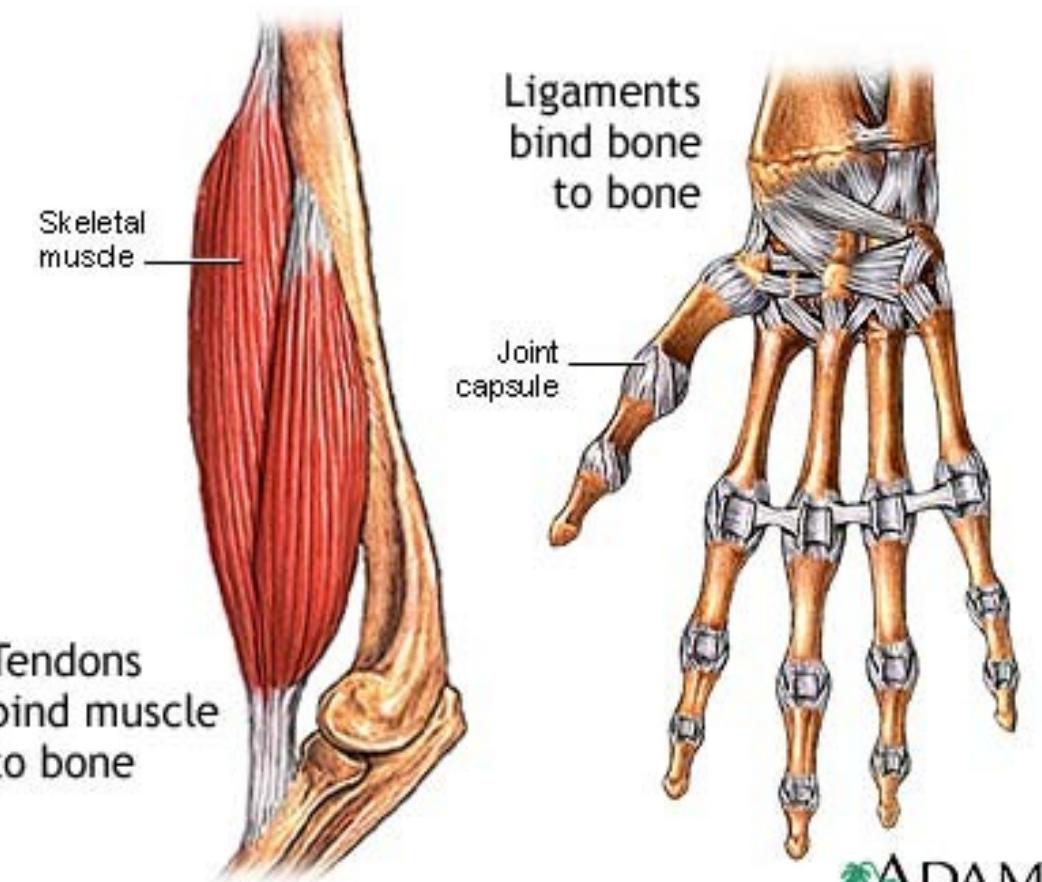
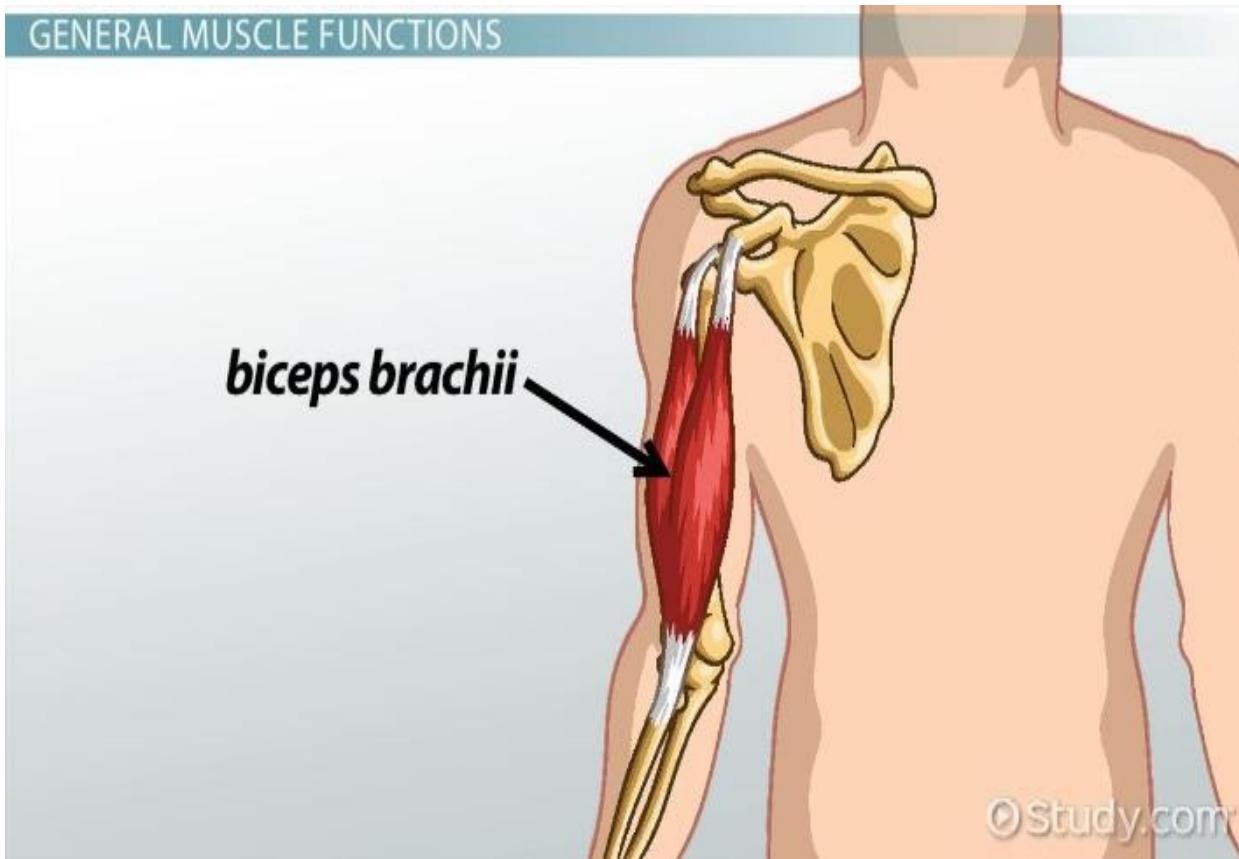


https://www.google.cz/search?q=articulatio+talocruralis+anatomy&tbo=isch&ved=2ahUKEwiOxenK48zTAhIJyKHZmbDNYQ2-cCgQIABAA&oq=articulatio+talocruralis+anatomy&gs_lcp=CgNpbwrcQAz0ECAQQzoGCAAQBoAeOgdABCABAAToggLABAHB4QzolCAAQBRAYEB4QzolCAAQBRAY8KHNIImQkwWT7CwDQ&bih=609&biw=1280#imgrc=8S3CwzIC4QfhCM

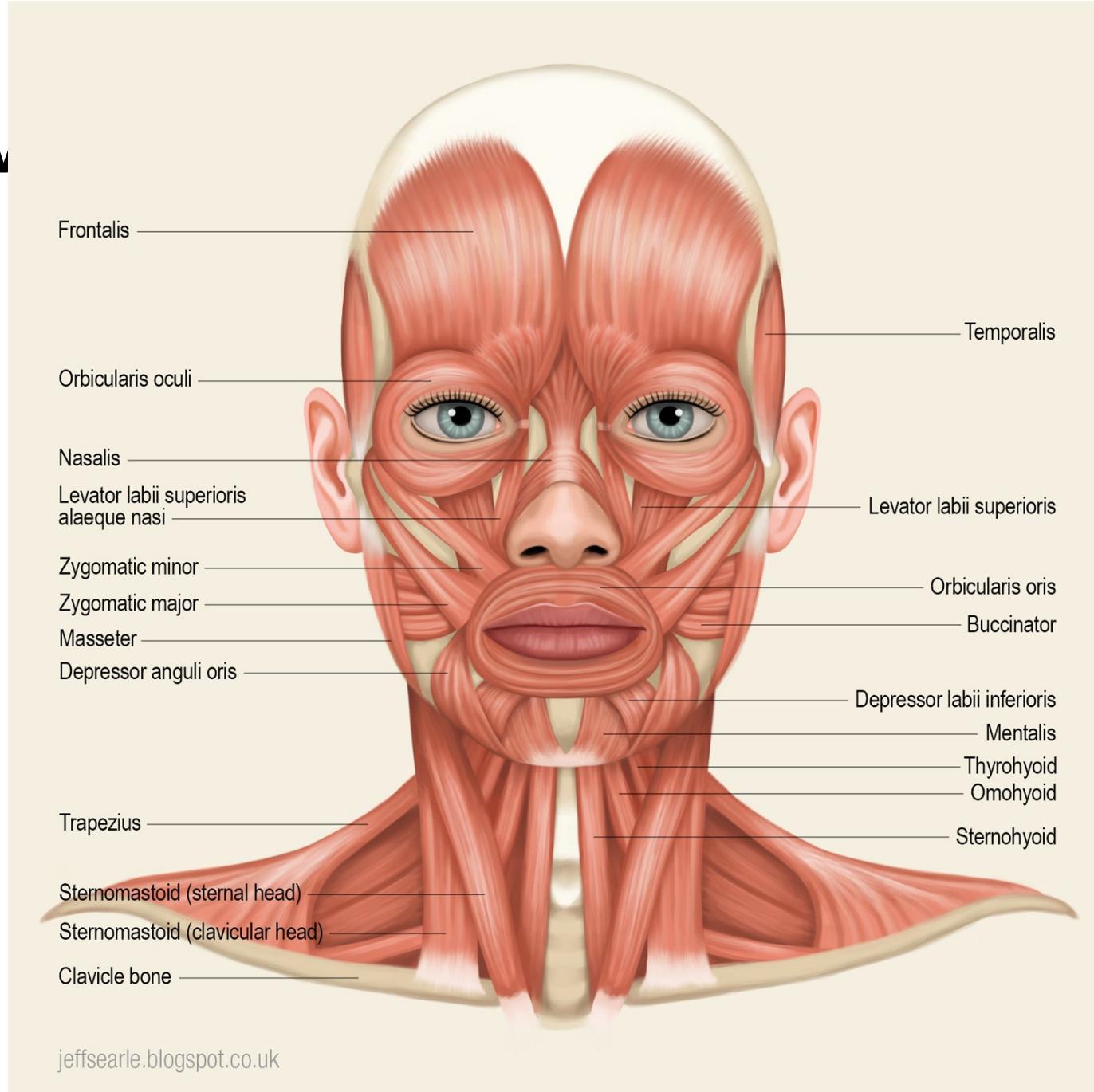
Inervace svalů



Šlachy - tendinum, vazy - ligamenta

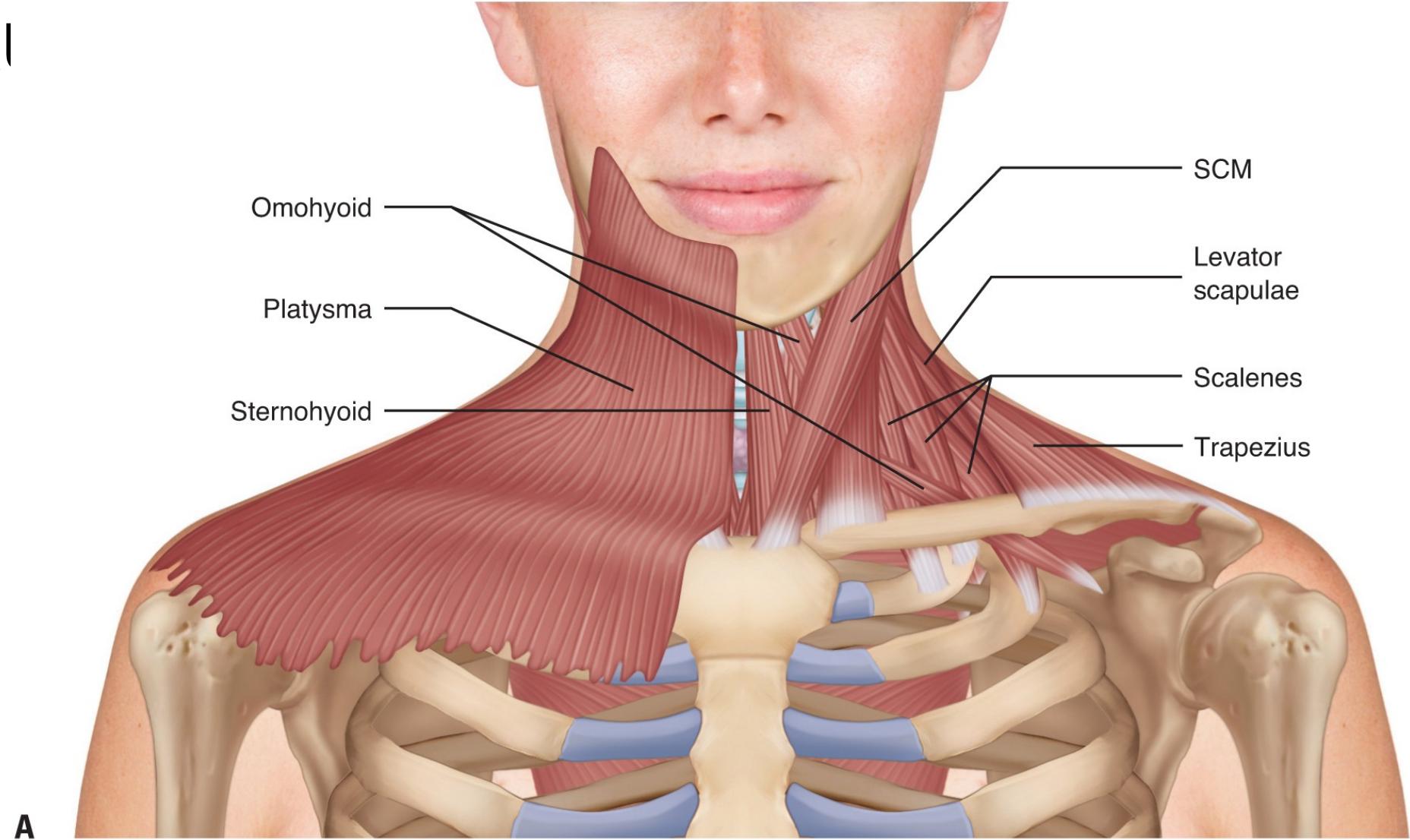


Svaly hlaw



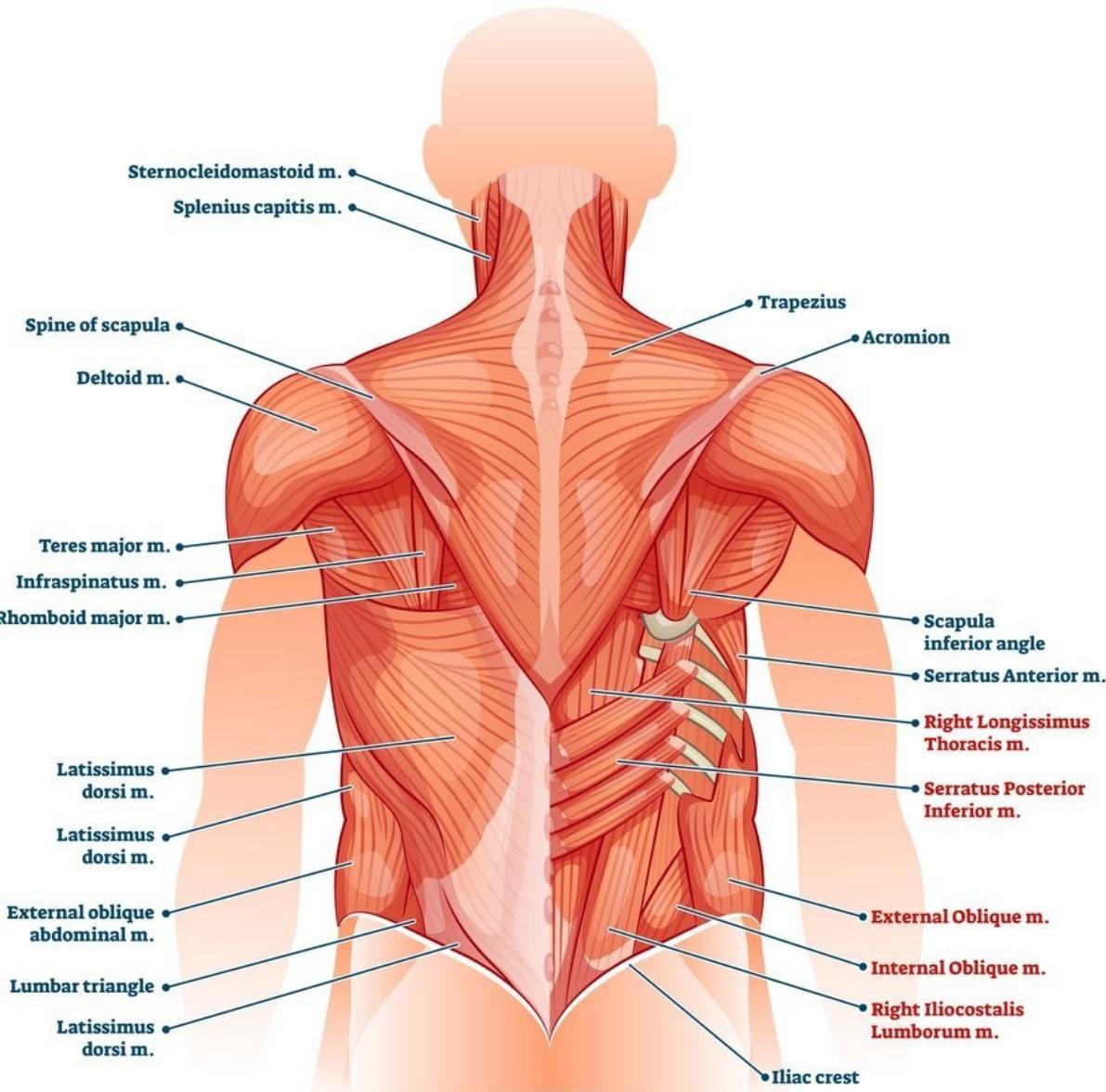
Svaly krki

<a href="https://www.google.cz/search?q=muscles+neck&tbn=isch&ved=2ahUKEw1WhefZ5czAhX0taQKfVzeGnoQ2-ccGqJABAA&q=muscles+neck&gs_lcp=CgNpbWCCQzIHCQAQBAQQEZIHCAQgAQQEzIHCAQAQBAQQEZIHCAQAQBAQQEZIHCAQAQBAEeBMM6GAGAfAUQHhATUjMLWjRwKgJAABwAHgAgAdaoBGvweSAQUxliJlmpGBAKAAb0C2d3cyJ3axotaW1nwAE&sclient=img&ei=n1WCY5bHCMPlkgXcvkVQBw&bih=609&biw=1280#imgrc=tbjjMjNLlFCRM

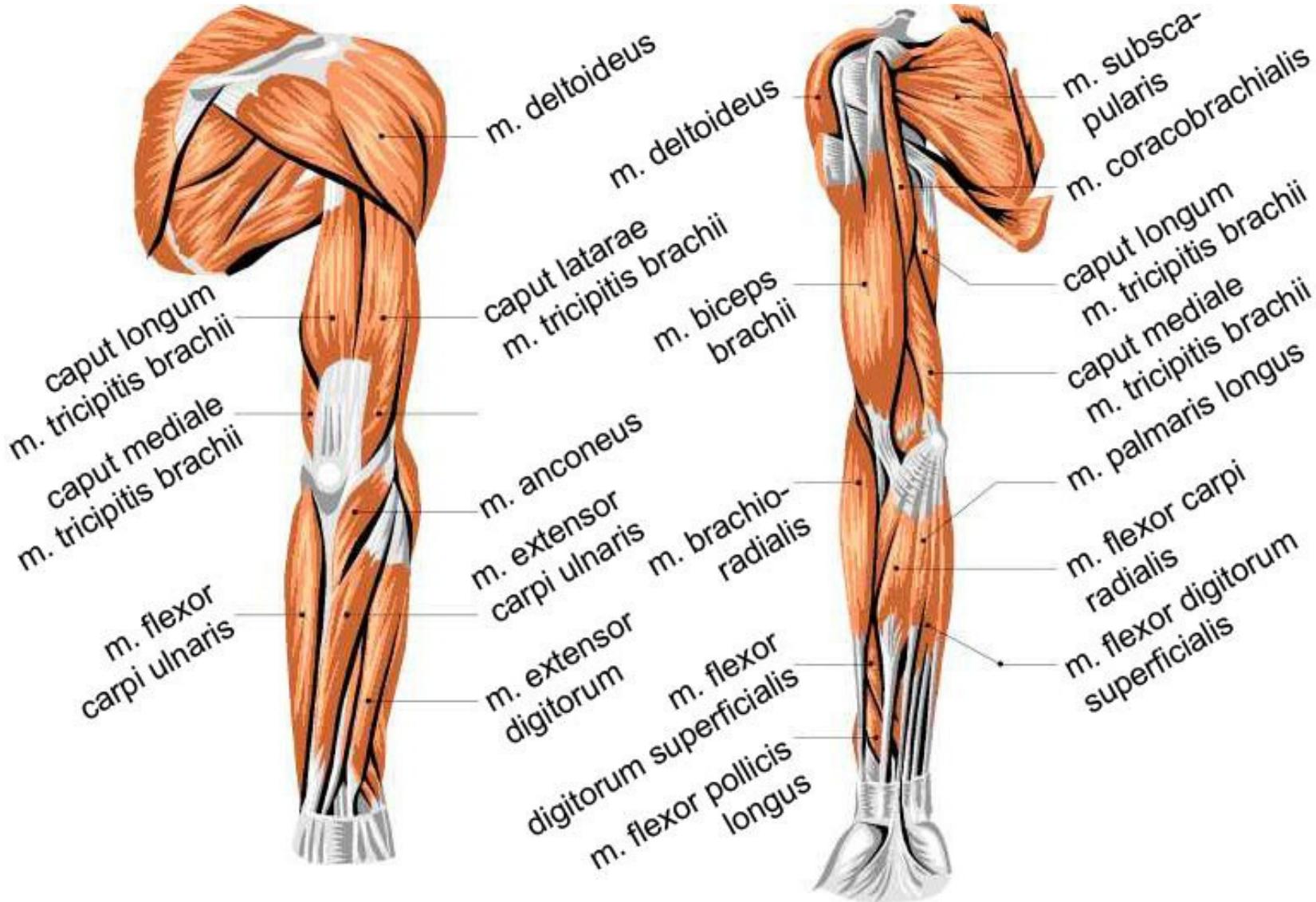


Zádové svaly

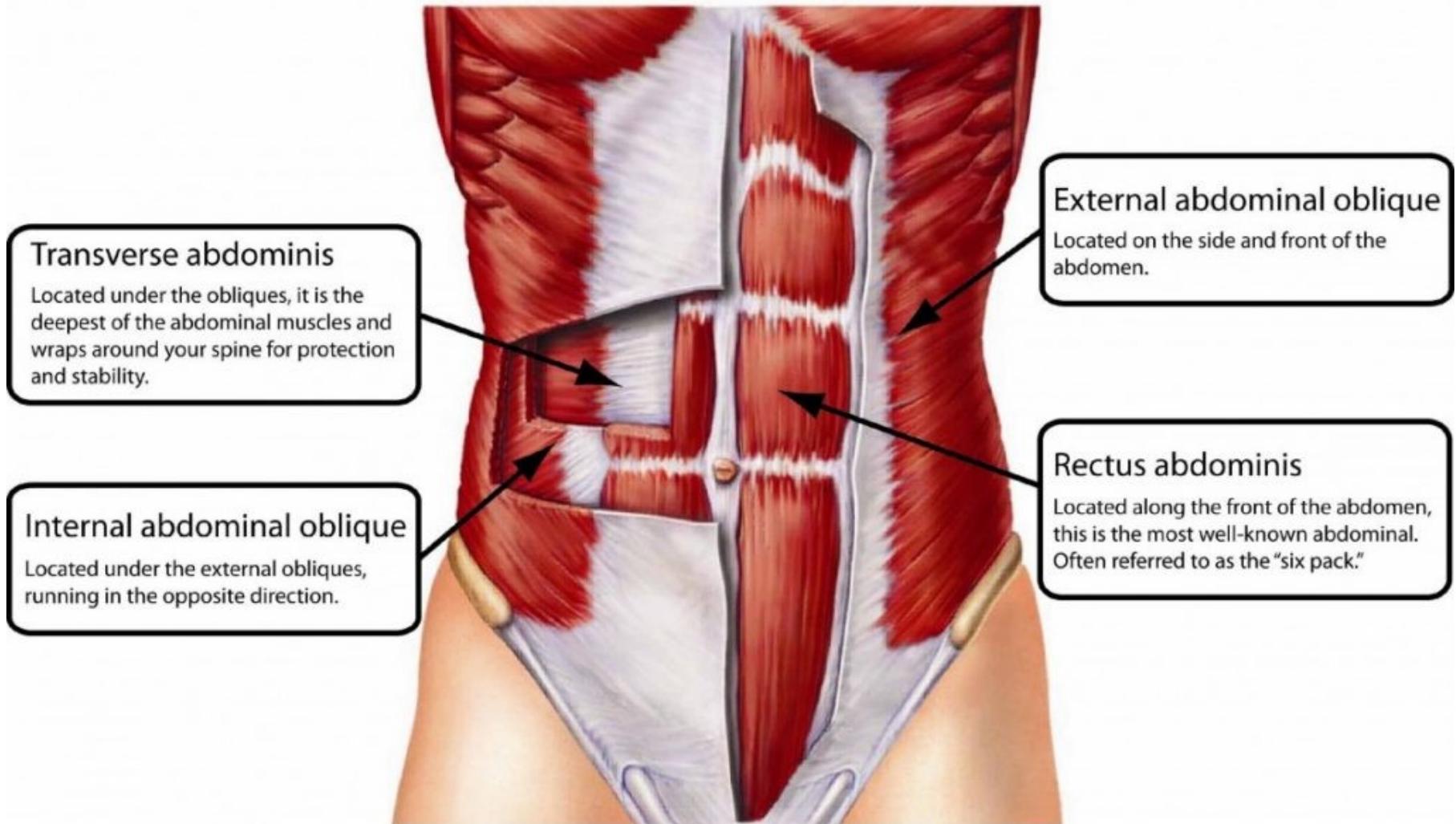
LOWER BACK MUSCLES



Svaly horní končetiny

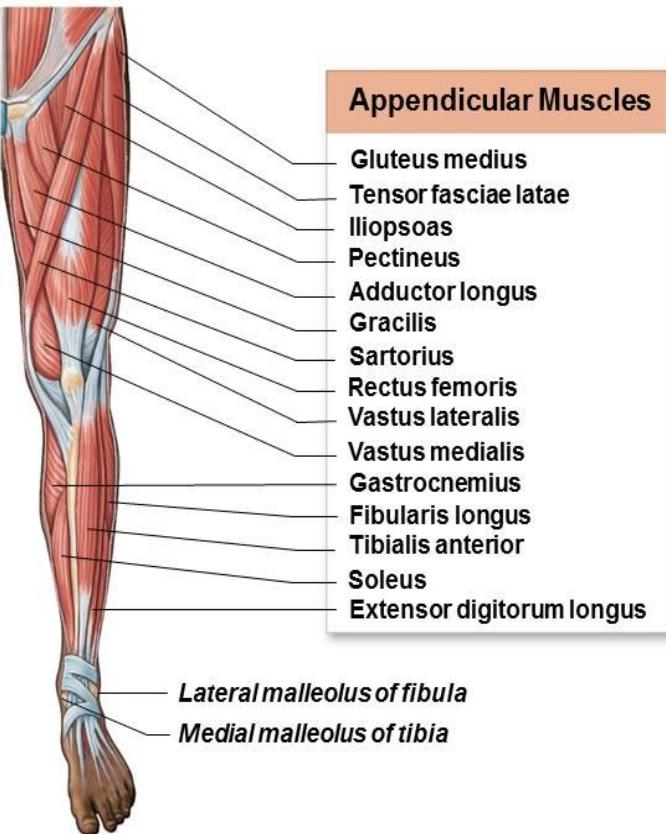


Svaly břicha



Svaly dolní končetiny

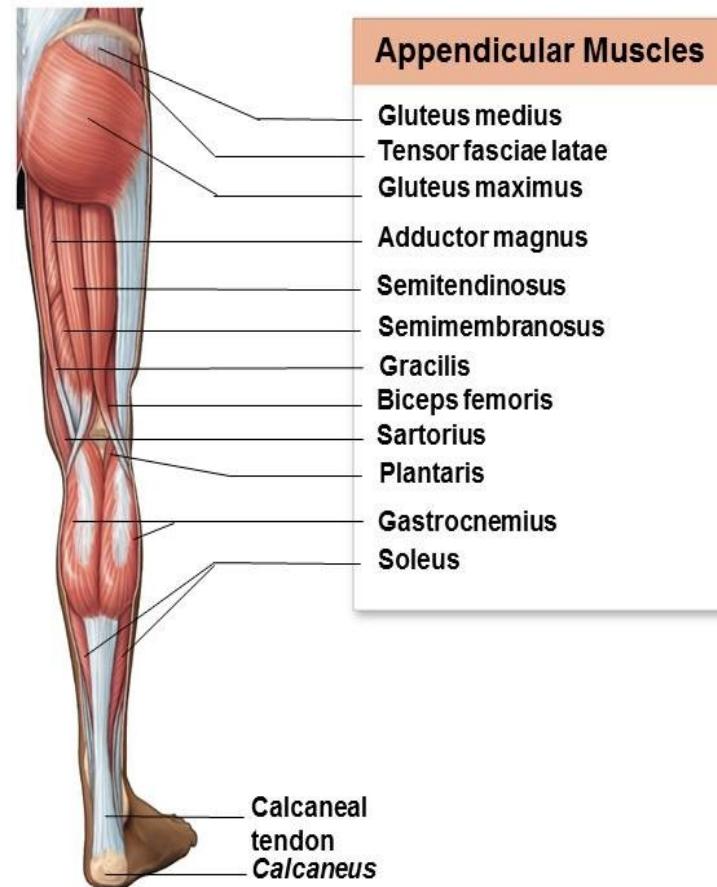
Figure 11-3a An Overview of the Major Skeletal Muscles (Part 6 of 6)



a An anterior view.

ATLAS: Plates 1a; 39a-d

Figure 11-3b An Overview of the Major Skeletal Muscles (Part 5 of 6)



b A posterior view

ATLAS: Plates 1b; 40a,b

Krev – tekutá tkáň

<https://www.youtube.com/watch?v=PK5YbDZODYk>

Hematopoeza

- <https://www.youtube.com/watch?v=OdeCbmh7PHs>
- <https://www.youtube.com/watch?v=lXfEK8G8CUI>

- Přenos kyslíku Ery

- <https://www.youtube.com/watch?v=xEHGIRpGyh4>

- Srážení krve

- <https://www.youtube.com/watch?v=PK5YbDZODYk>

- <https://www.youtube.com/watch?v=DKFSH5MMPLM>

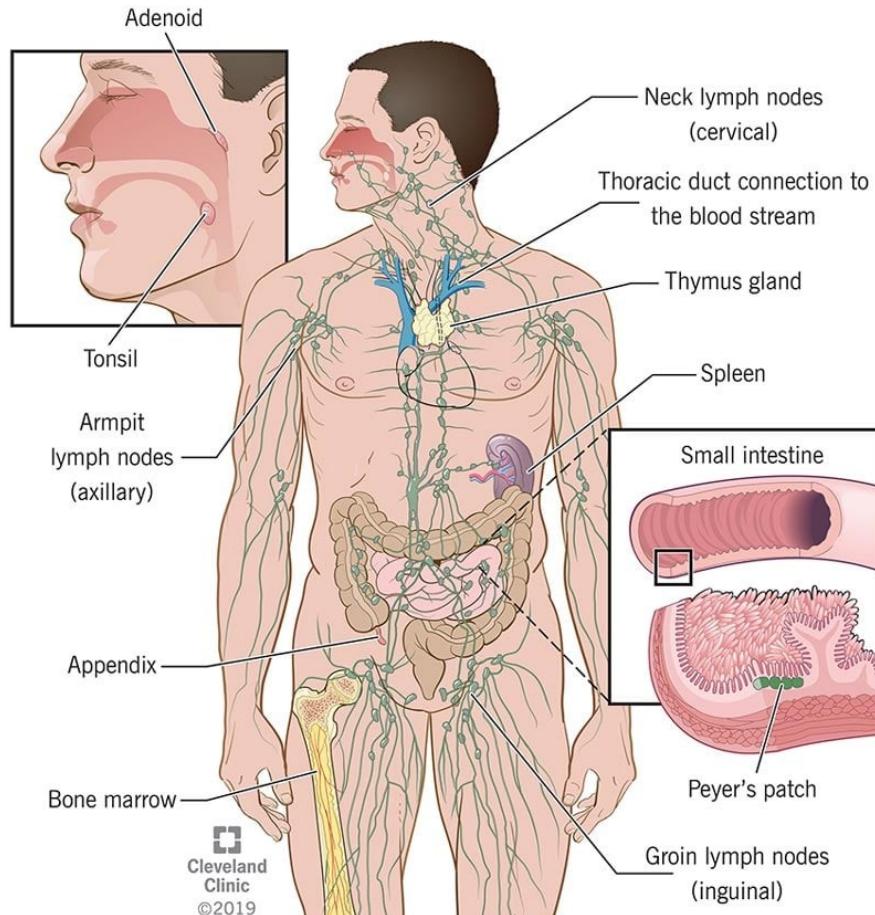
- <https://www.youtube.com/watch?v=R8JMfbYW2p4>

- https://www.youtube.com/watch?v=cy3a_OOa2M

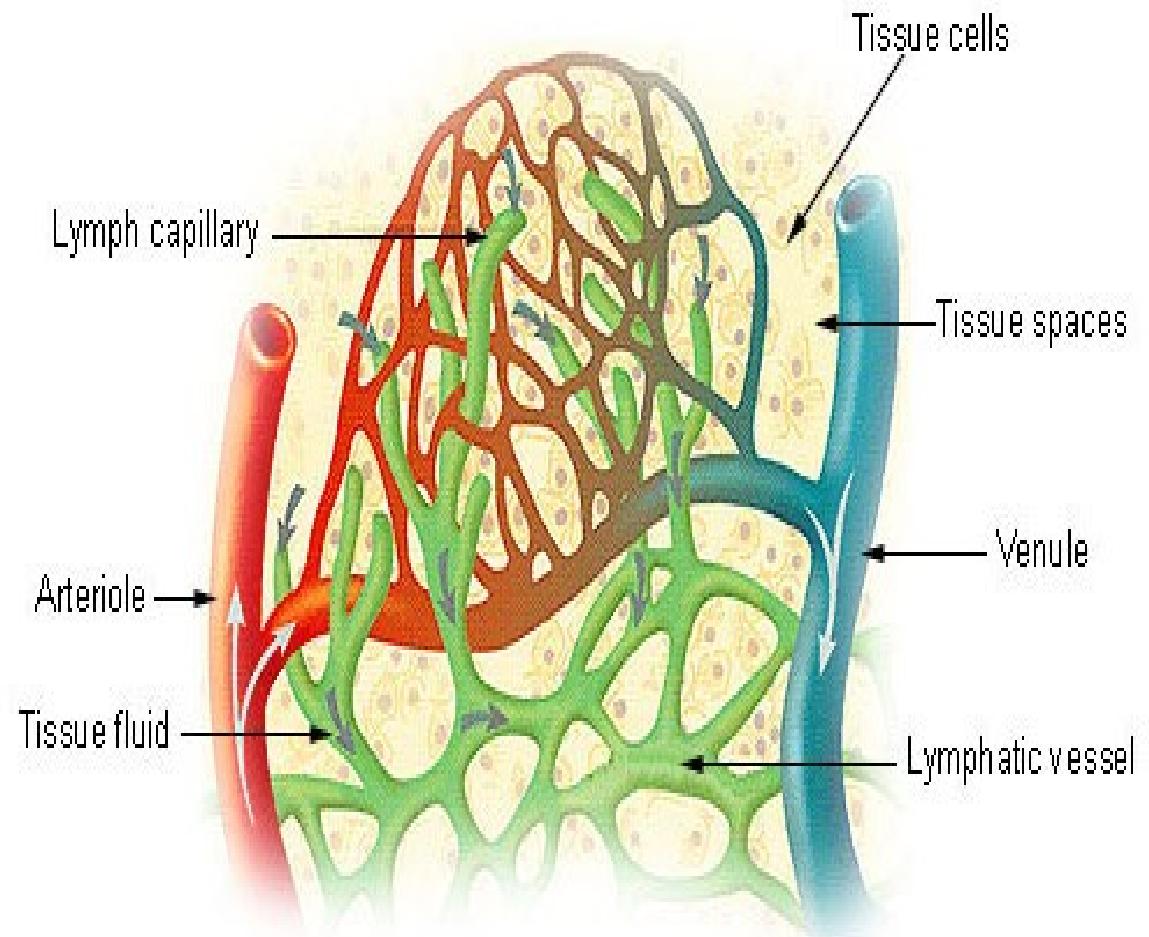
- <https://www.youtube.com/watch?v=x8TLTTyyPfl>

- [https://www.wikiskripta.eu/w/Von Willebrand%C5%AFv faktor](https://www.wikiskripta.eu/w/Von_Willebrand%C5%AFv_faktor)

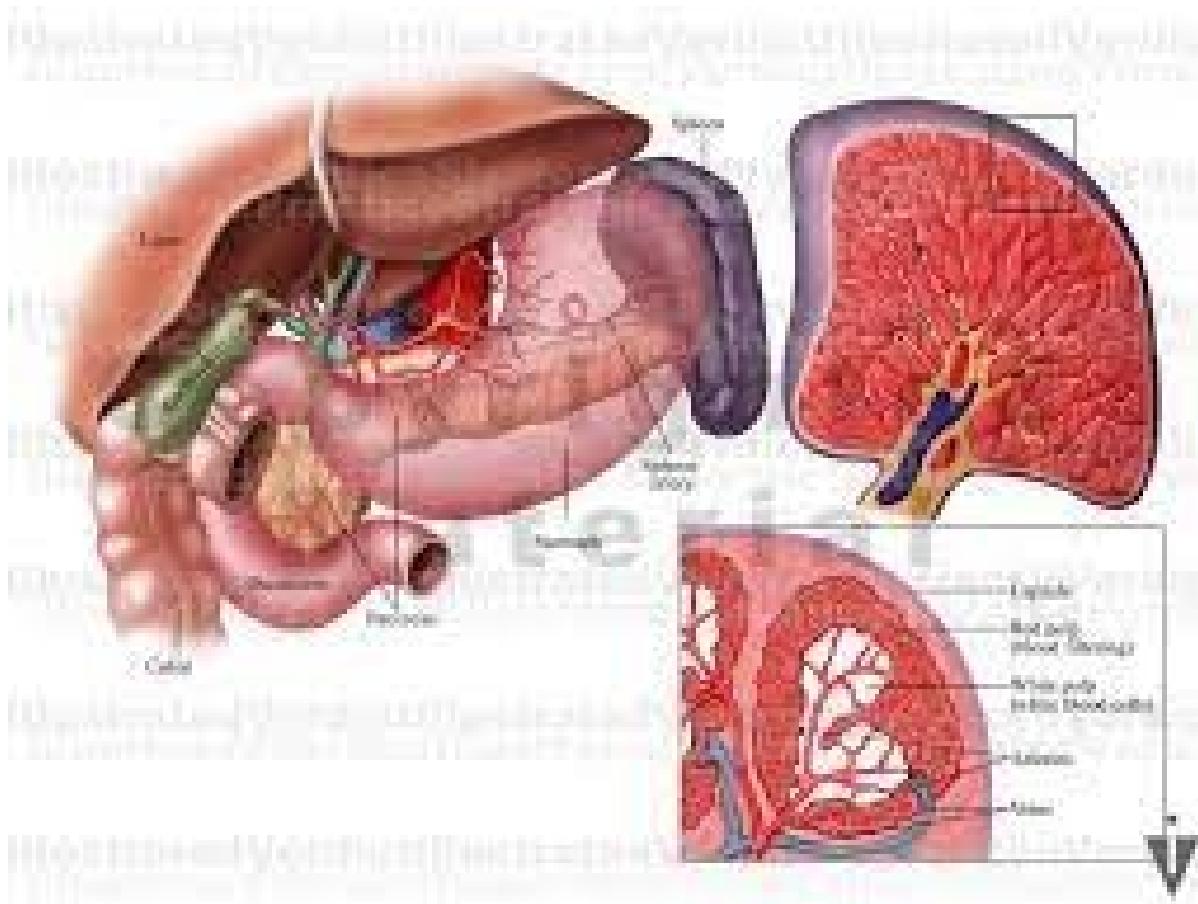
Lymfatický systém



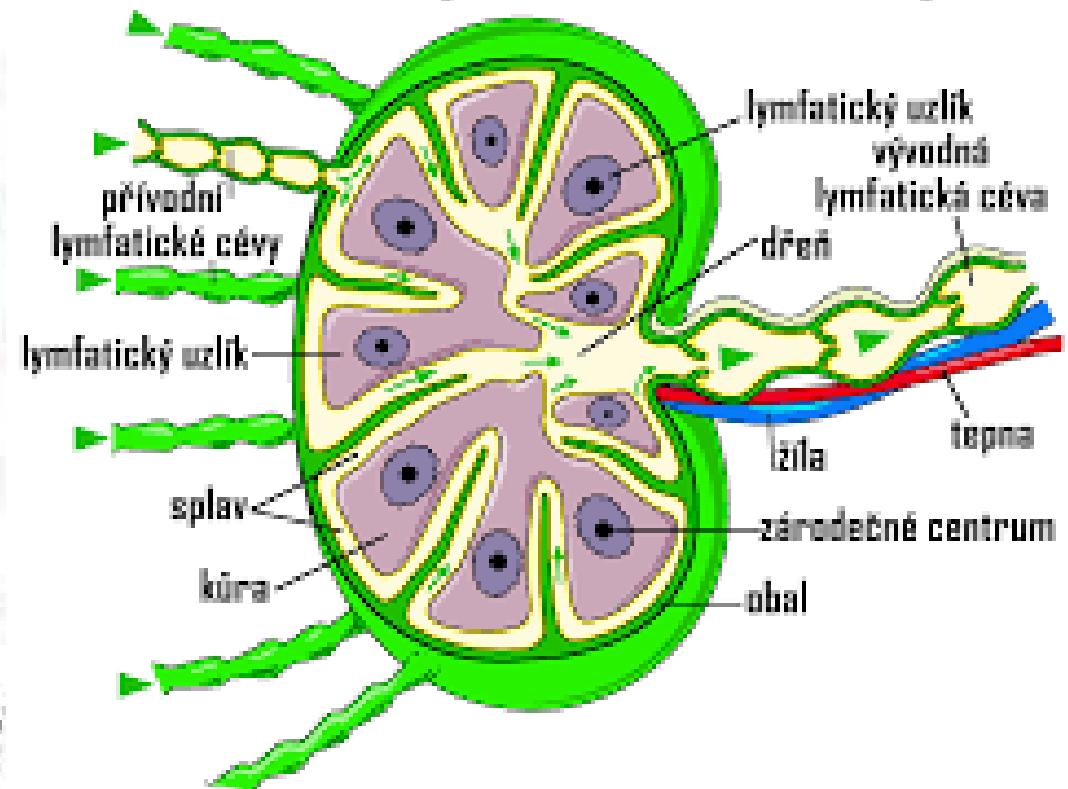
Lymph Capillaries in the Tissue Spaces



Slezina, lat. *lien*, řec. *splen*



Stavba lymfatické uzliny

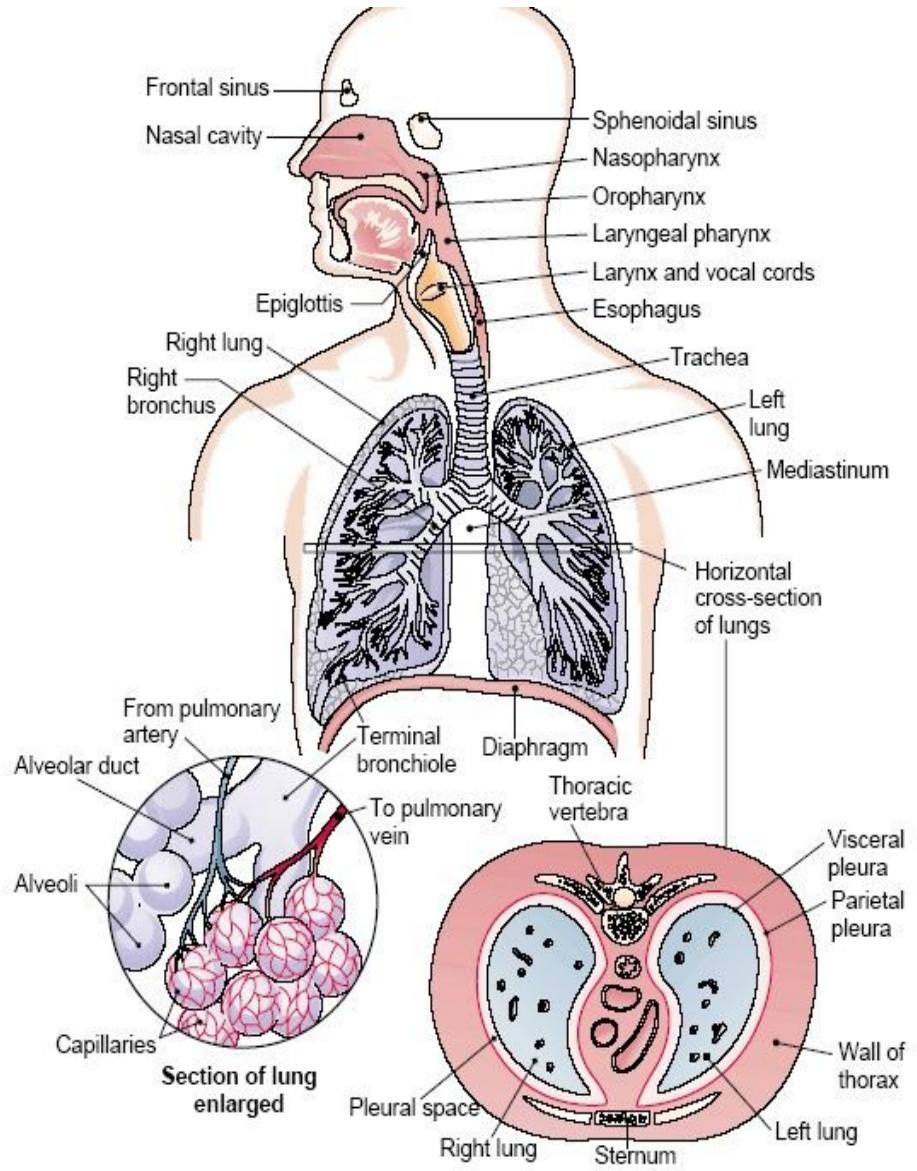
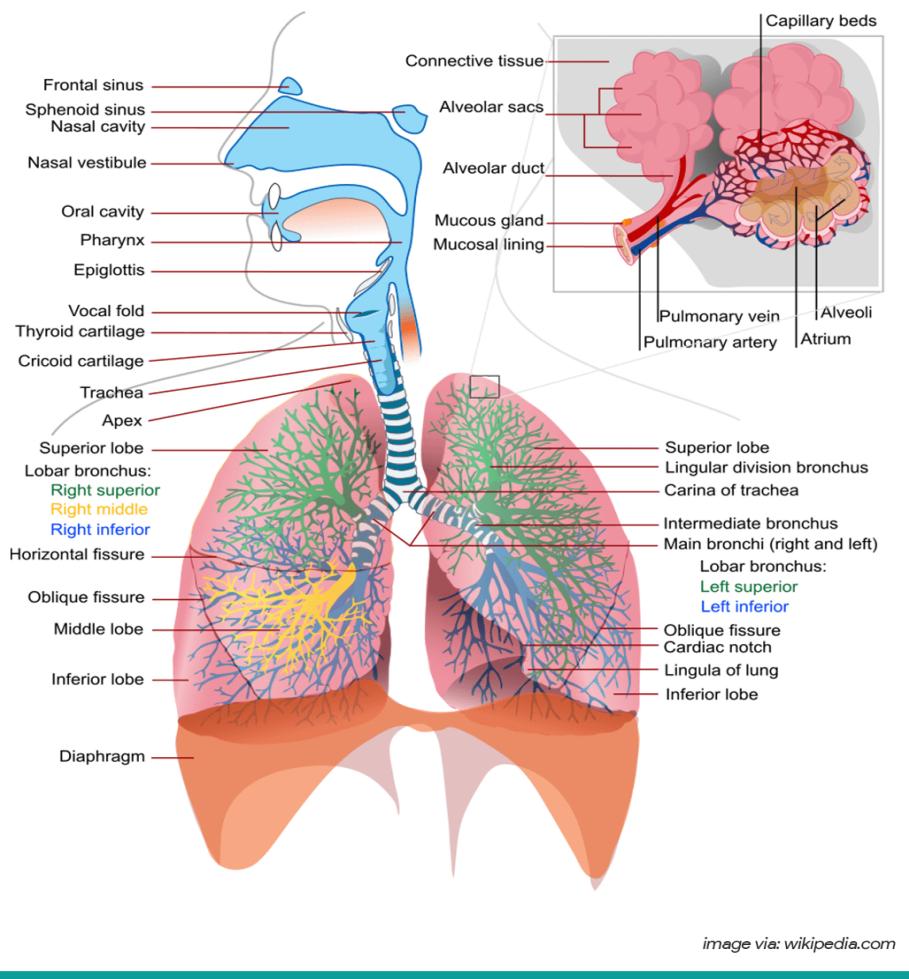


Lymfatický systém

- <https://www.youtube.com/watch?v=cCPyWFK0IKs>
- <https://www.youtube.com/watch?v=IxC-3MpIMUo>
- <https://www.youtube.com/watch?v=IXfEK8G8CUI>

Dýchací systém

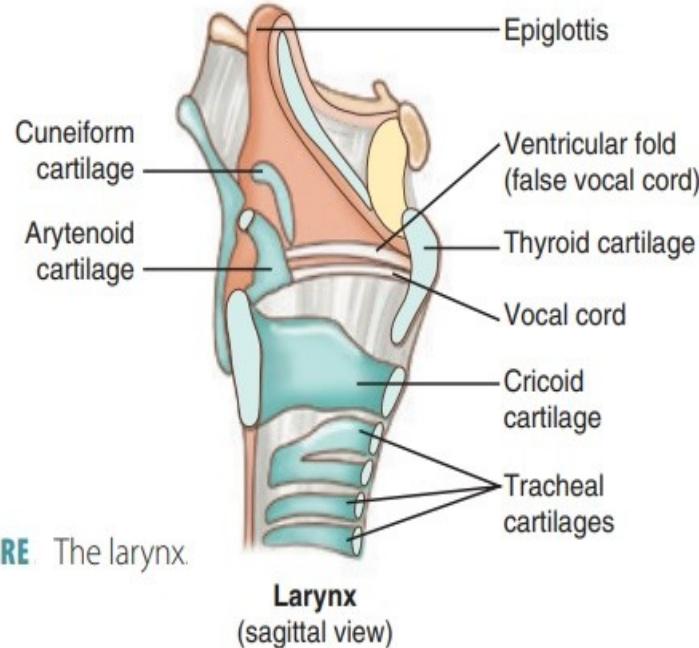
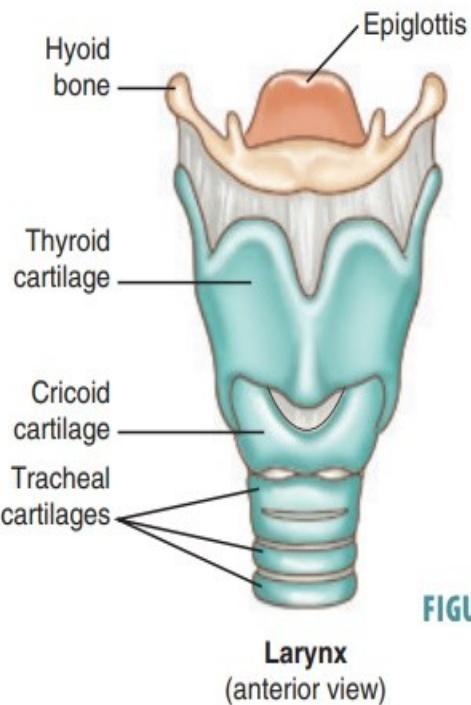
Respiratory System



<https://nurseslabs.com/respiratory-system/>

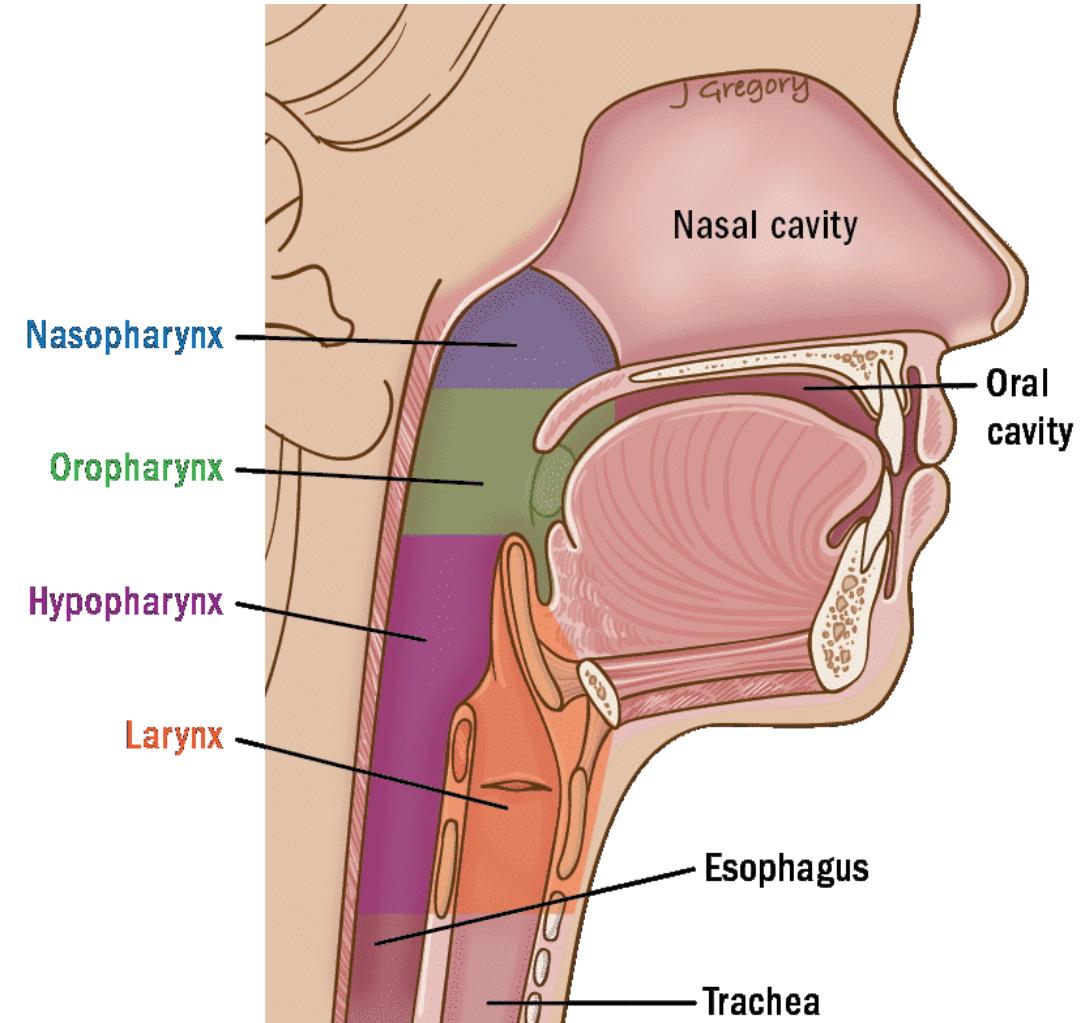
Hrtan, lat. Larynx

<https://youtu.be/b89RSYCaUBo>



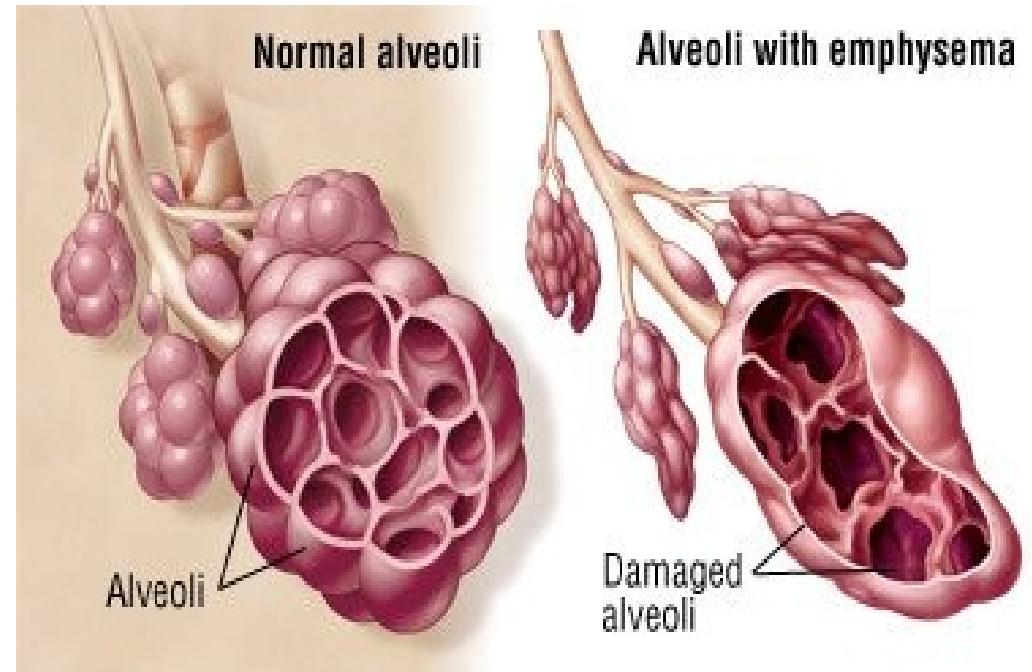
<https://healthjade.com/what-is-the-larynx/>

<https://www.pharmacy180.com/article/larynx-3656/>



Respirační systém

- <https://www.youtube.com/watch?v=B75kBvjJink>
- Emfysém
- Spirometrie
- <https://youtu.be/hQzNG89pESQ>
- https://www.google.com/search?q=emphysema&tbo=isch&sorce=lnms&sa=X&ved=2ahUKEwiw94Kk79v7AhV1SfEDHTIVAxYQ_AUoAXoECAoQAw&biw=1003&bih=497&dpr=1.5#imgrc=ex-siDfAWuS7sM&imgdii=hXLB_v_m-q3gXSM

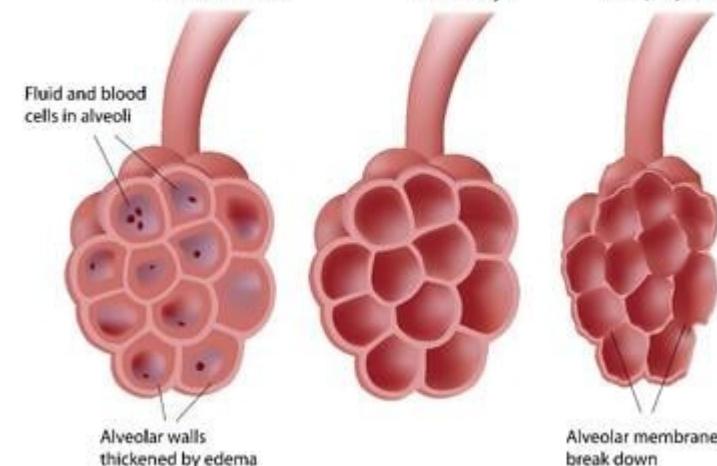


Alveoli Changes in Lung Diseases

Pneumonia

Healthy

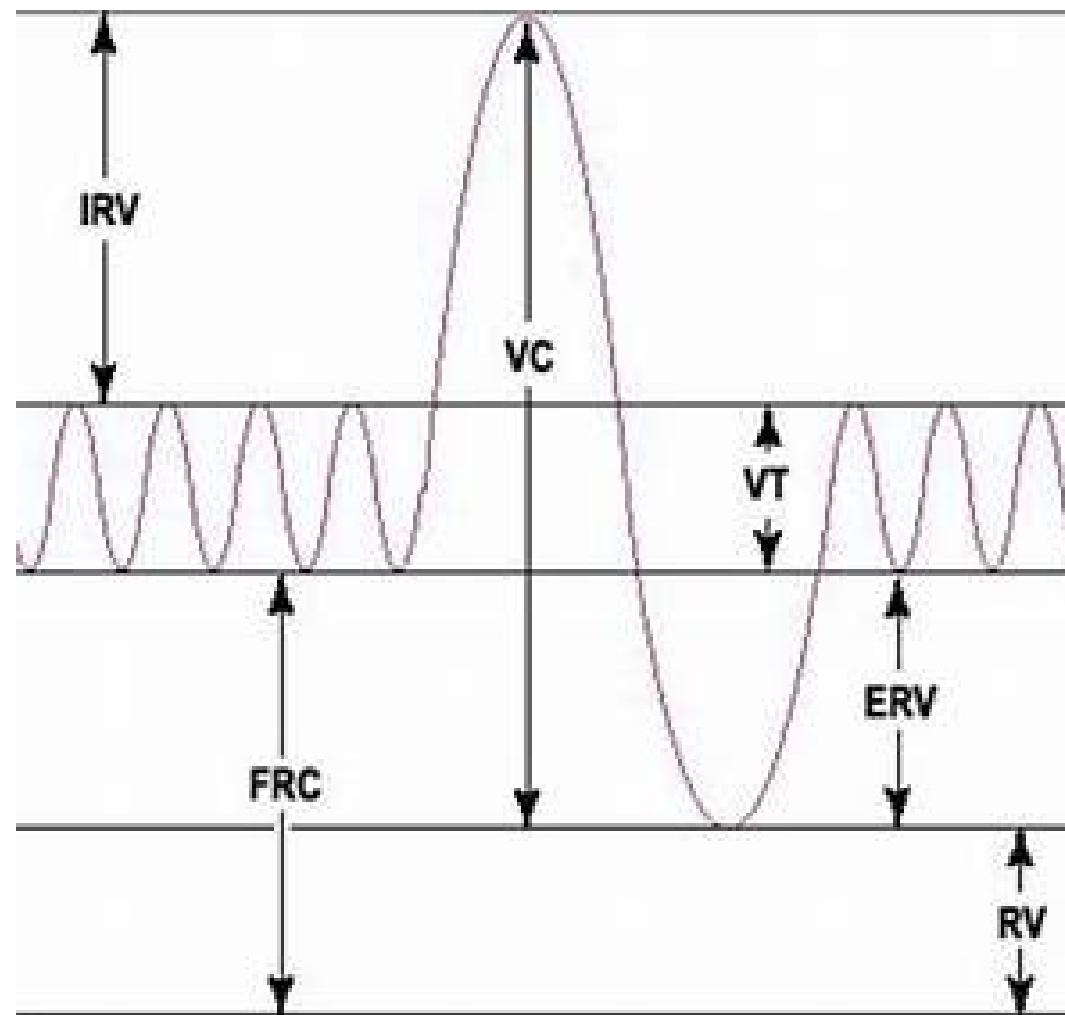
Emphysema



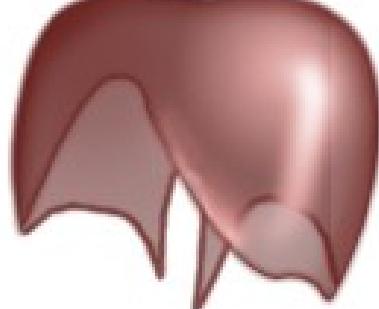
Pneumonie

- <https://lungfoundation.com.au/patients-carers/living-with-a-lung-disease/other-lung-conditions/pneumonia/>
- <https://youtu.be/3hTsve9jjsQ>

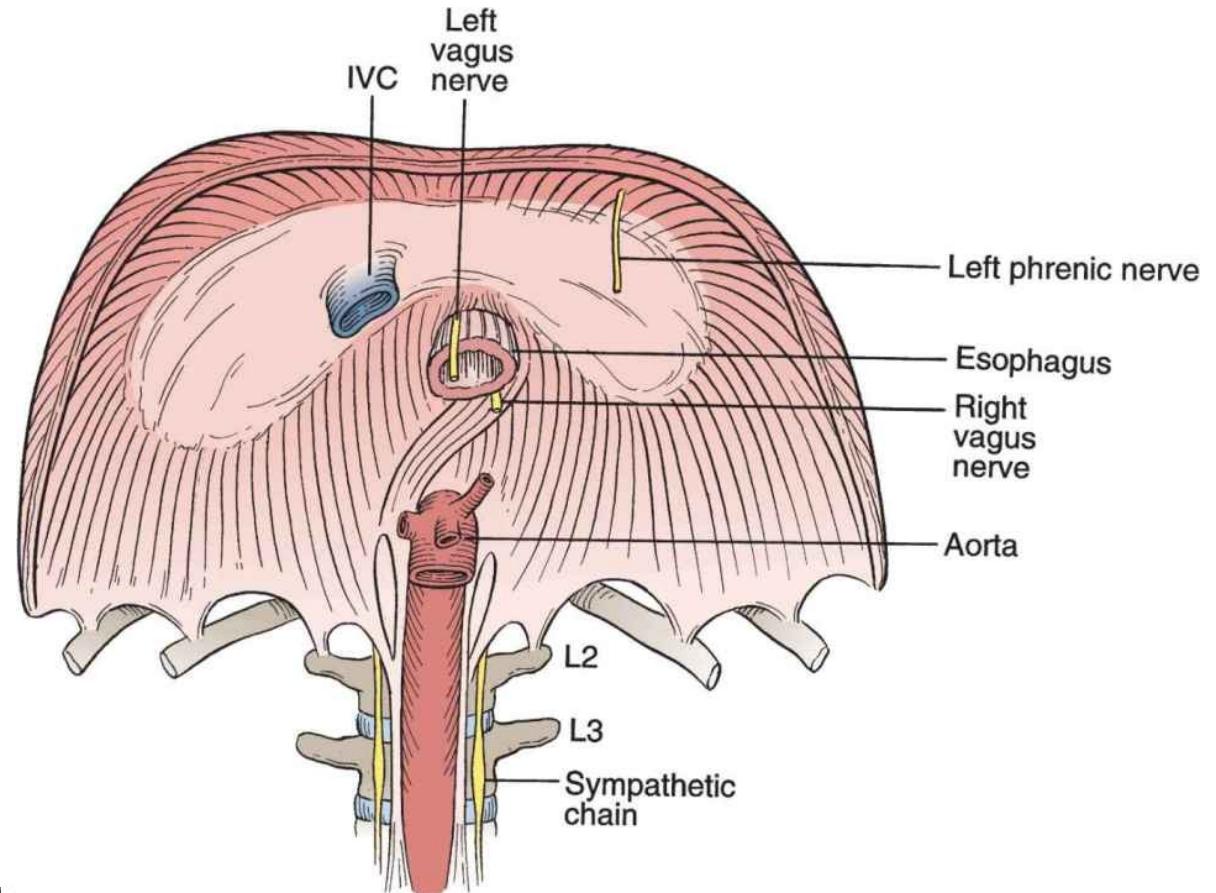
Spirometrie



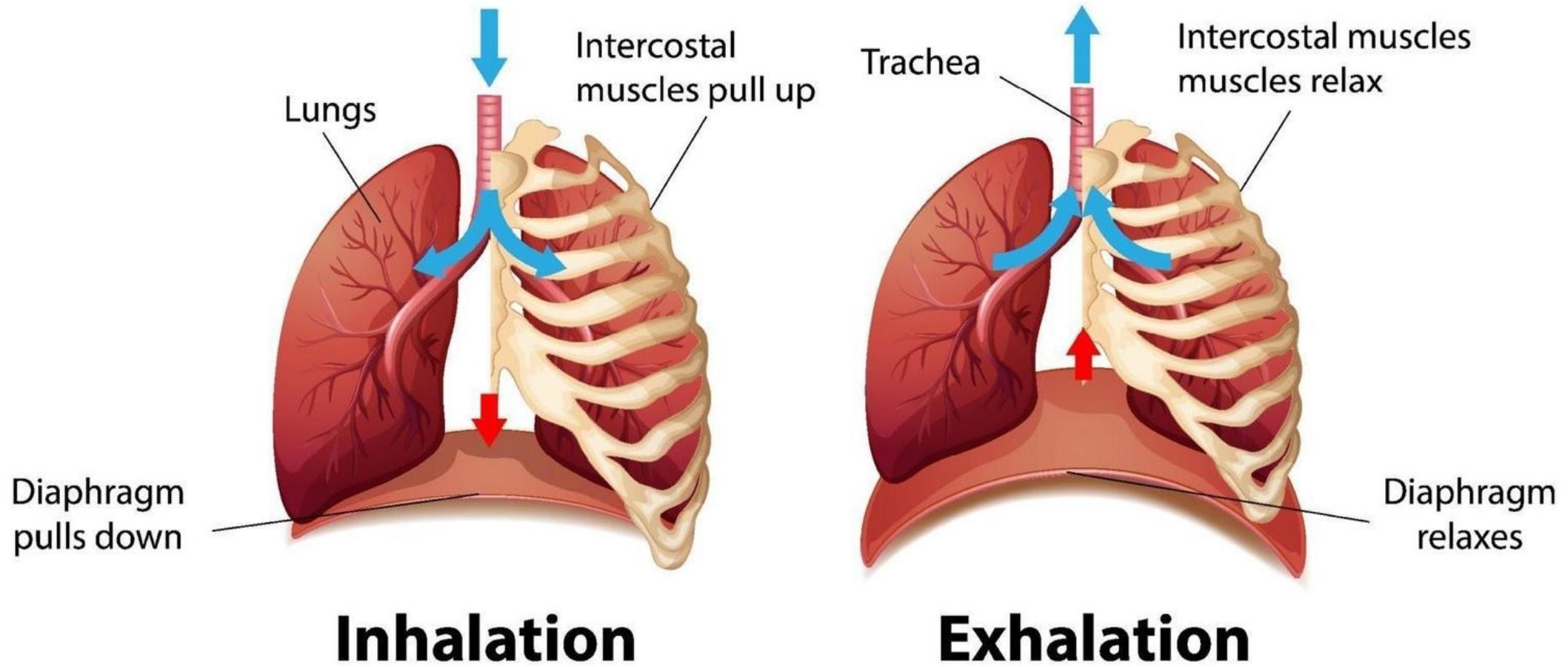
Bránice, lat. *diaphragma*



The diaphragm
is shaped
like a parachute



THE DIAPHRAGM FUNCTIONS IN BREATHING



Srdce, oběh

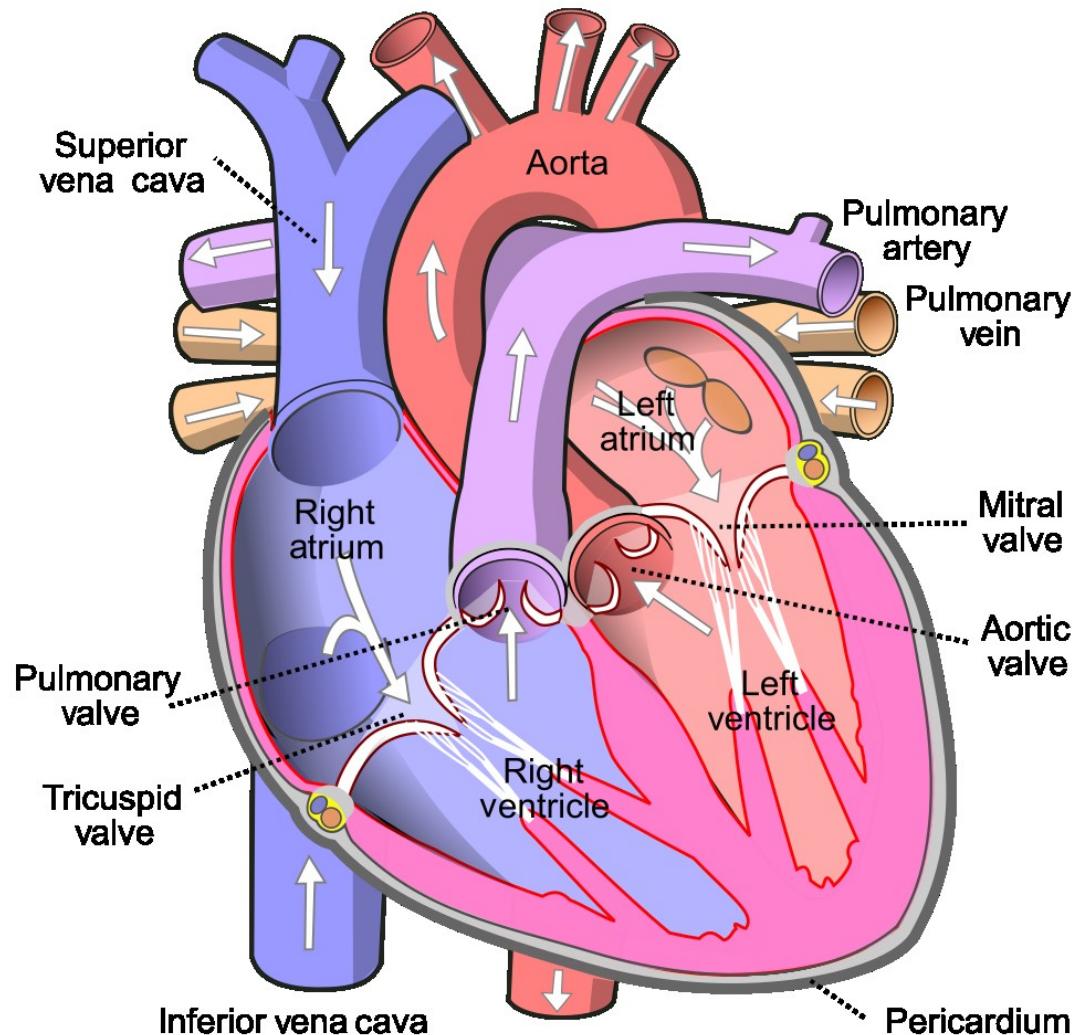
- <https://www.youtube.com/watch?v=GMBSU-2GK3E>
- <https://www.youtube.com/watch?v=46u2ON6d4mg>
- <https://www.youtube.com/watch?v=CWFyxn0qDEU>
- https://youtu.be/_qmNCJxpsr0

Koronární artérie

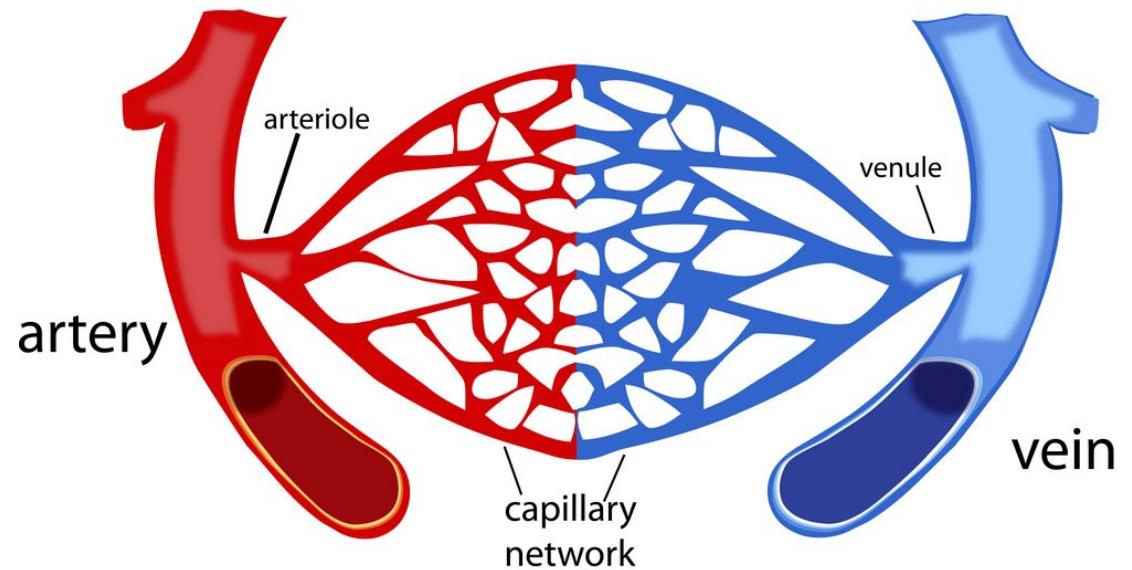
<https://www.youtube.com/watch?v=ggj4OWNkBbw>

IM

<https://www.youtube.com/watch?v=QllguanpKic>



Krevní oběh

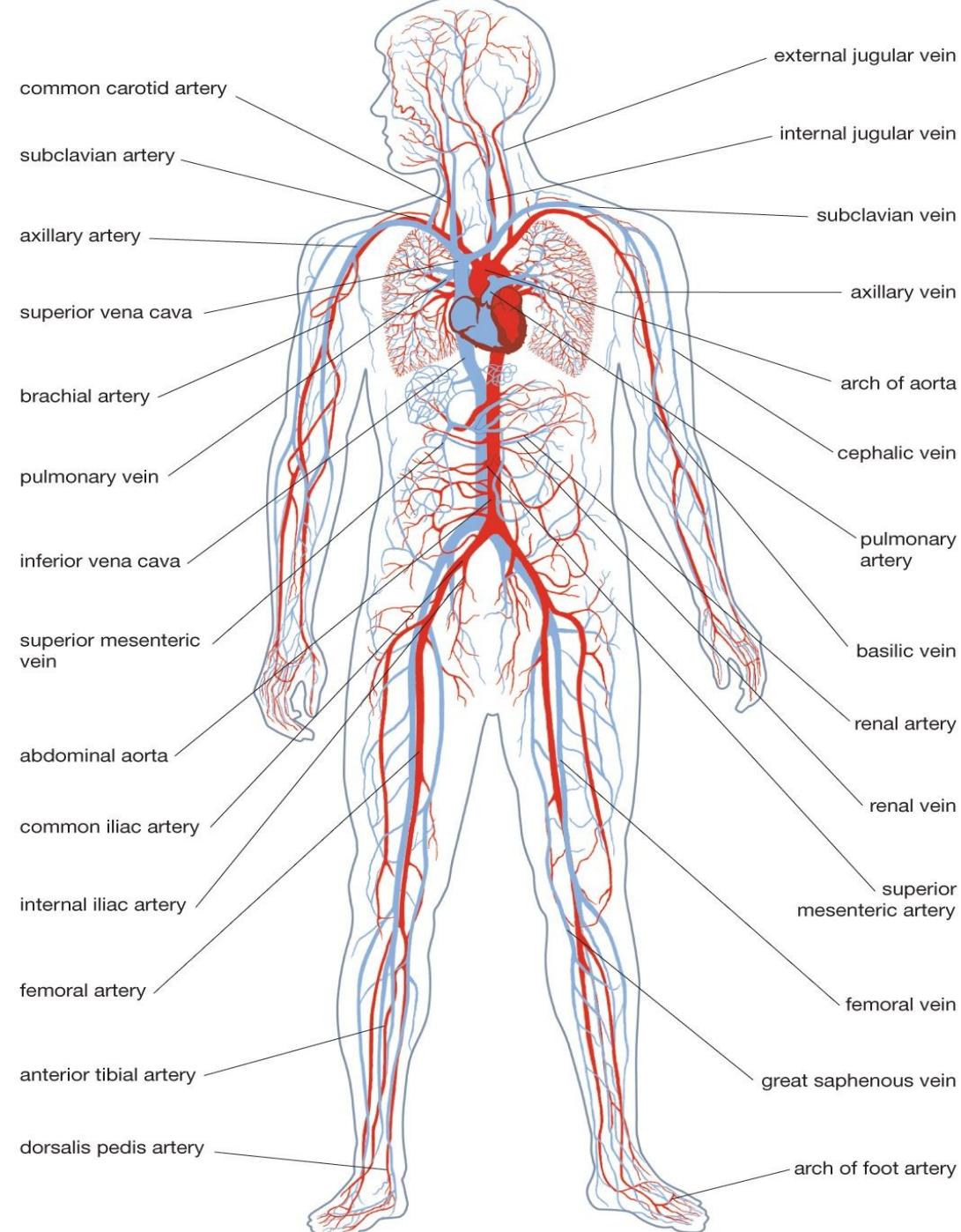


VectorStock®

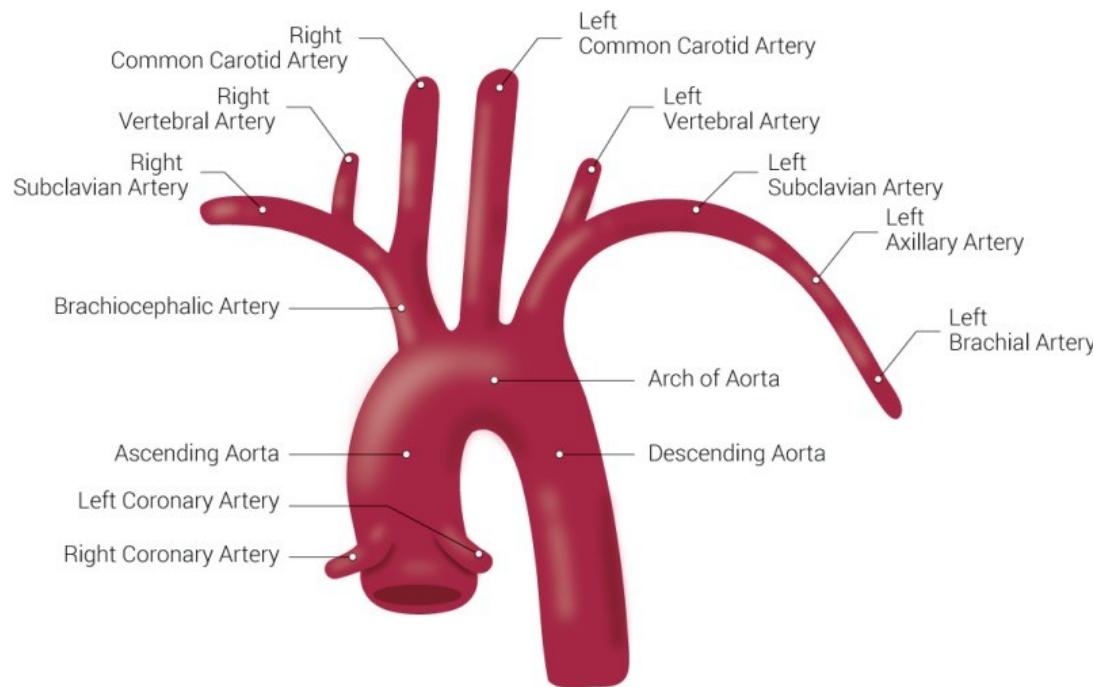
[VectorStock.com/26868493](https://www.vectorstock.com/royalty-free-vector/human-blood-circulatory-system-vector-26868493)

https://www.google.com/search?q=red+blood+cells+in+capilar+system&tbo=isch&ved=2ahUKEwi00tGT9cz7AhXUxwIHHJuDLsQ2-cCegQIAAA&oq=red+blood+cells+in+capilar+system&gs_lcp=CgNpbWcQAzoECAAQHIDzGFjVRGDWSWgAcAB4AIABnAGIAduOkgEEMTUuNZgBAKABAaoBC2d3cy13aXotaW1nwAEB&client=img&ei=z5WCY_SuOtSpi-gPmN2z2As&bih=609&biw=1280&rll=1C1CHBF_enCZ924CZ924#imgrc=WX2cmWZbd_rVRM&imgdii=jlgVhH3P1WEwoM

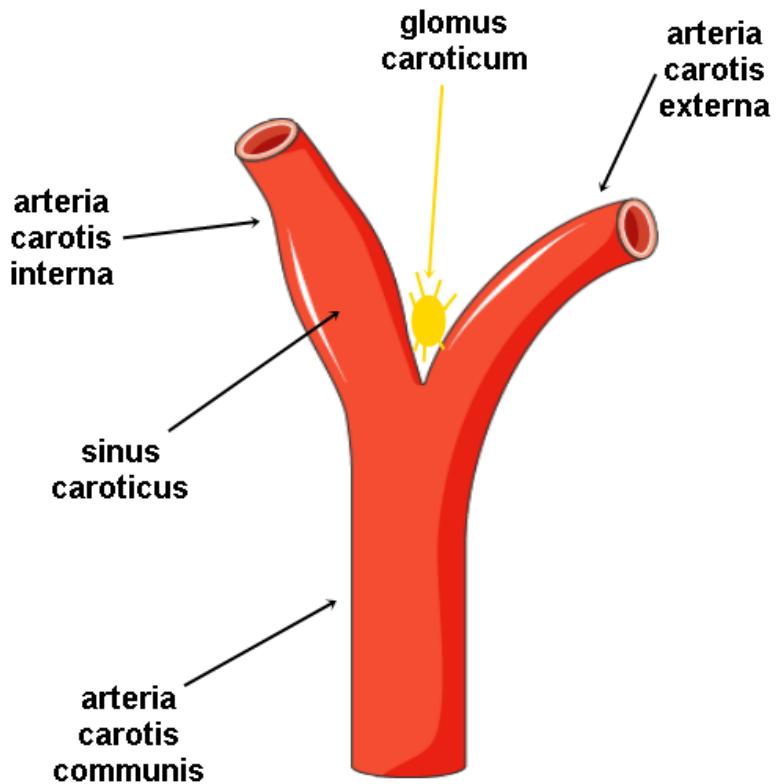
- <https://www.google.com/search?q=kardiovskular+system&tbo=isch&ved=2ahUKEwij6b-J88z7AhWMyAIHHRToArEQ2-cCegQIAAA&oq=kardio>



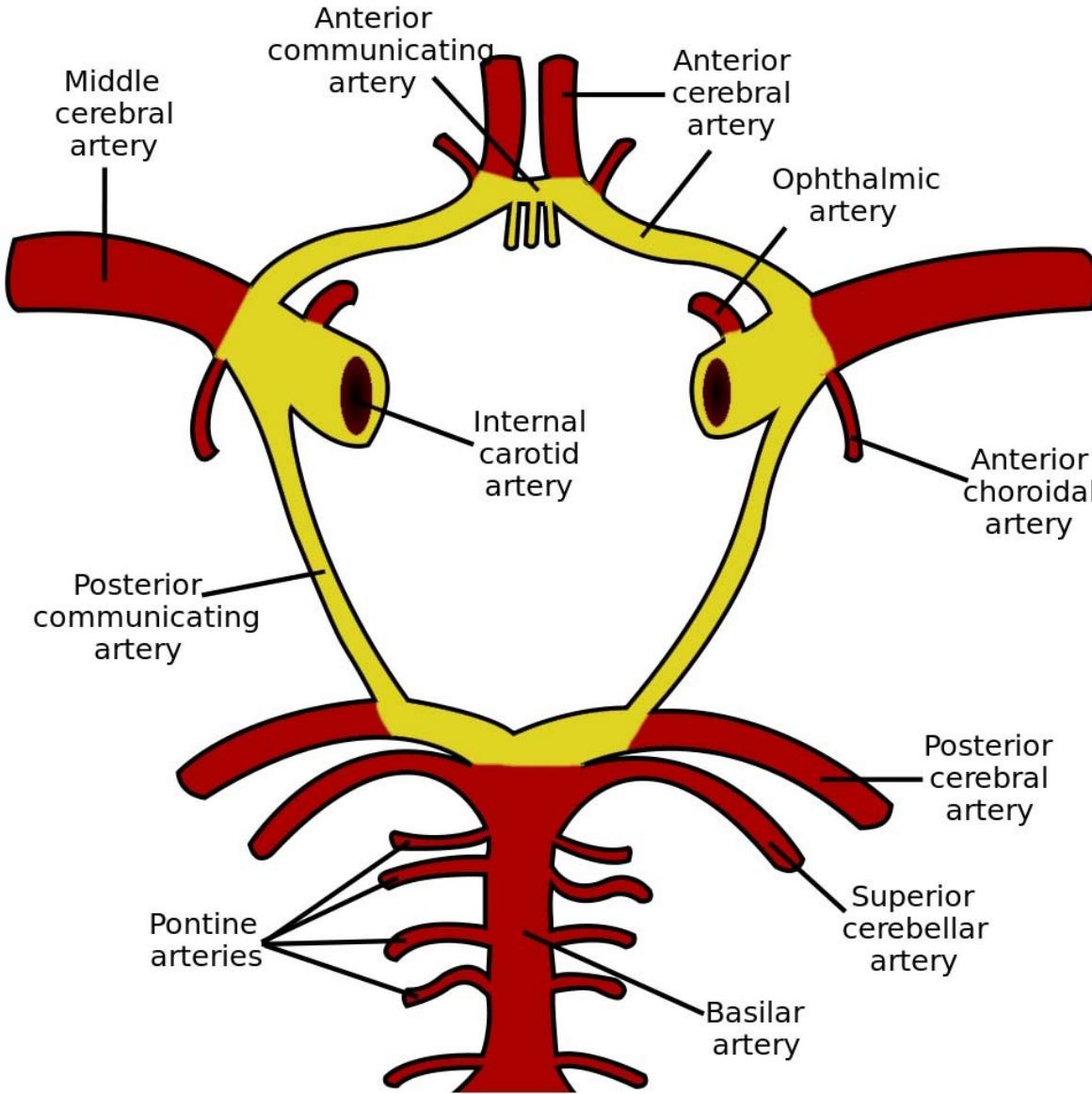
Oblouk aorty



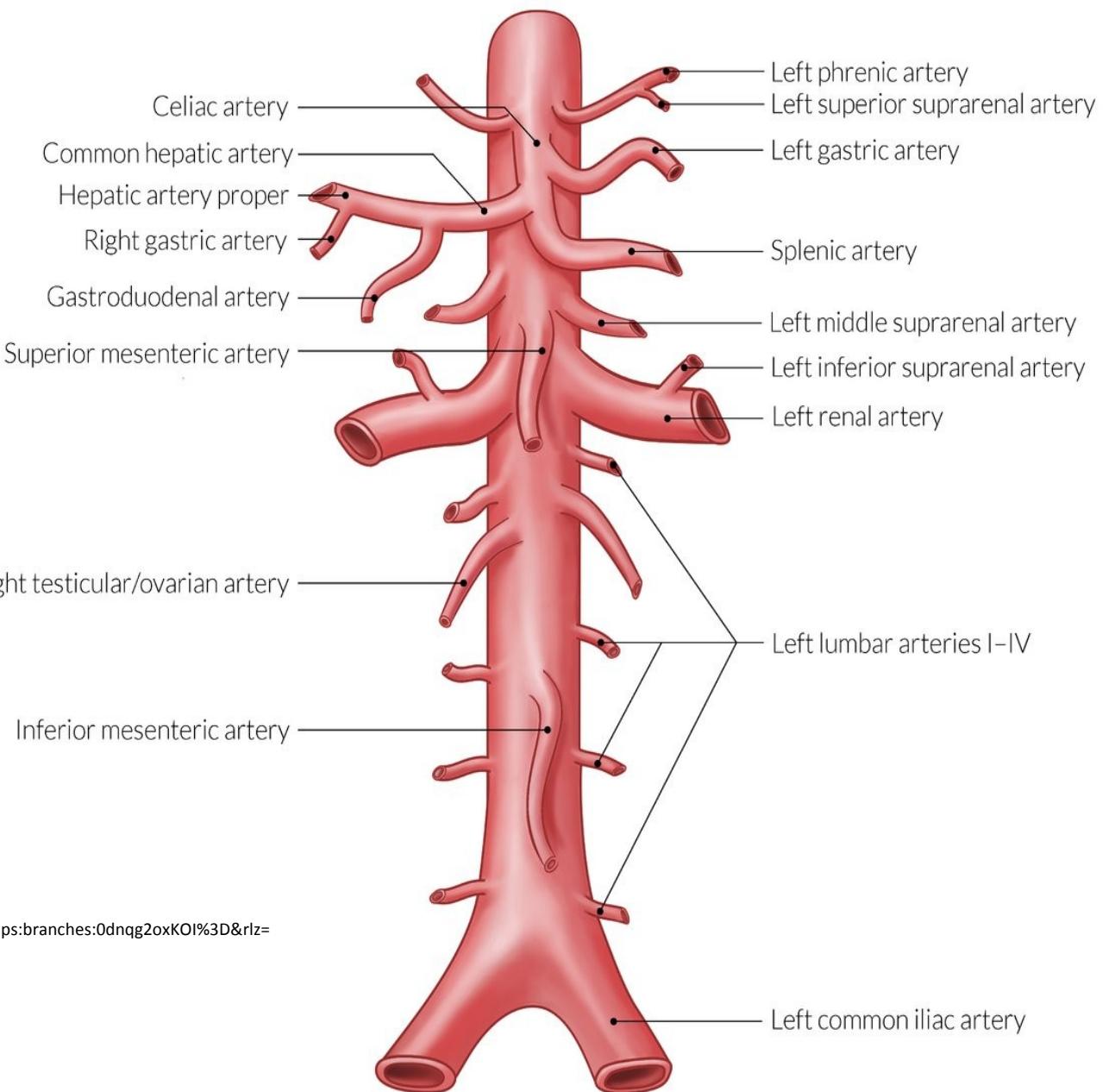
Odstupy aa. carotis



Wilisův okruh



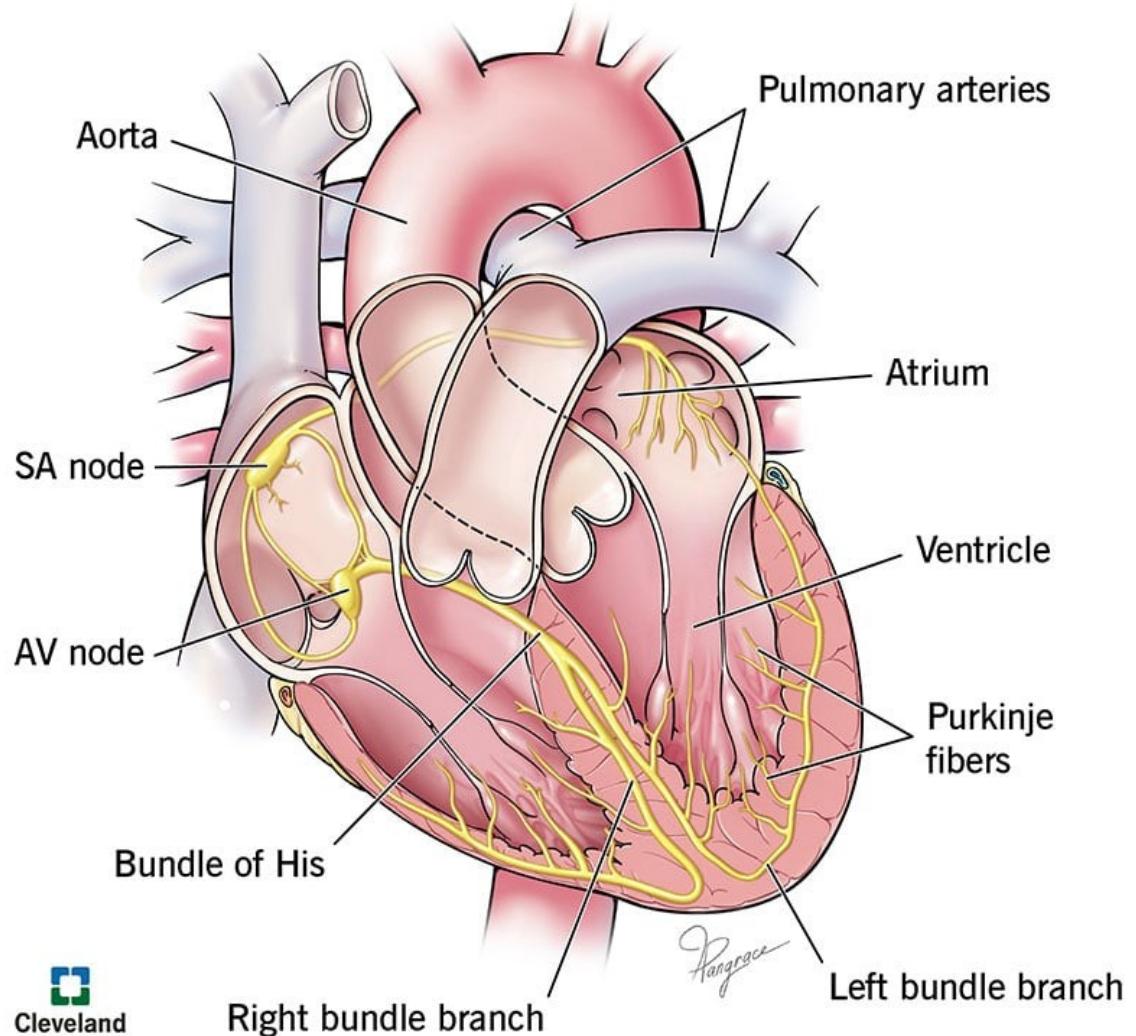
Odstupy břišní aoi



https://www.google.com/search?q=abdomen+aorta&tbm=isch&hl=cs&chips=q:abdomen+aorta,online_chips:branches:0dnqg2oxKOI%3D&rlz=1C1CHBF_enCZ924CZ924&sa=X&ved=2ahUKEwjGpL_R98z7AhWTxwIHhb-2D34Q4lYoAXoECAEQJA&biw=617&bih=243#imgrc=5Q991GRSN4nKAM

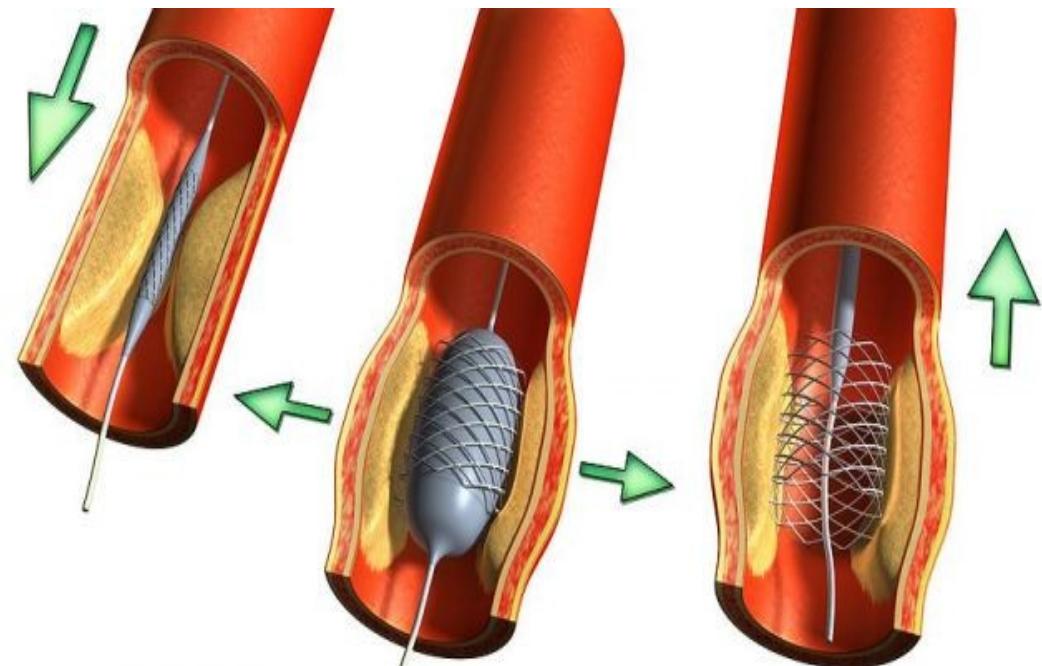
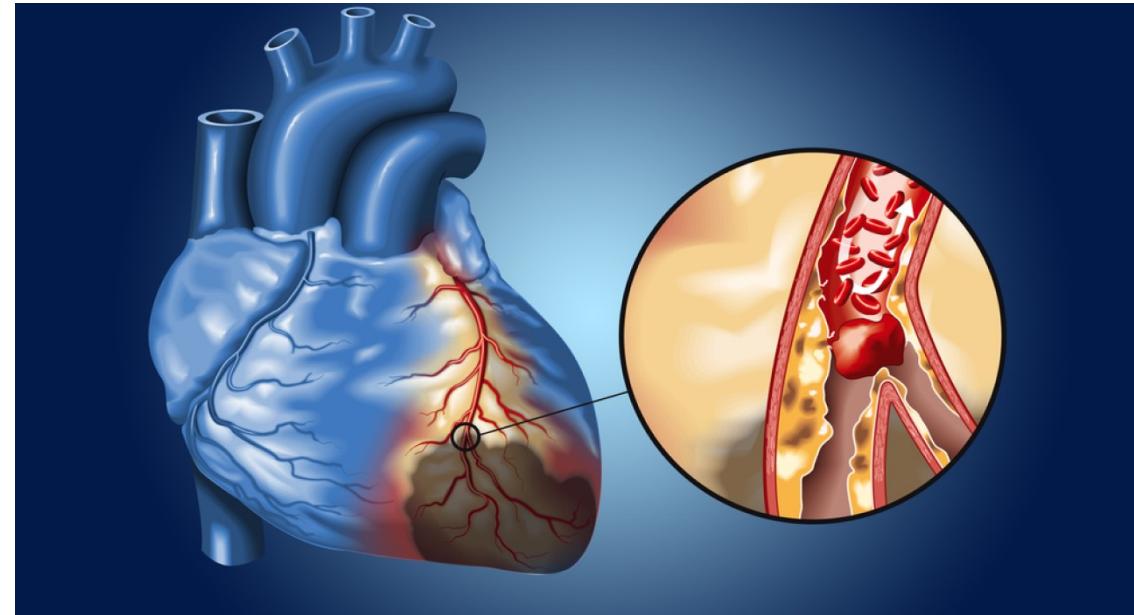
Převodní systém srdečný

- <https://www.youtube.com/watch?v=RYZ4daFwMa8>



Infarkt

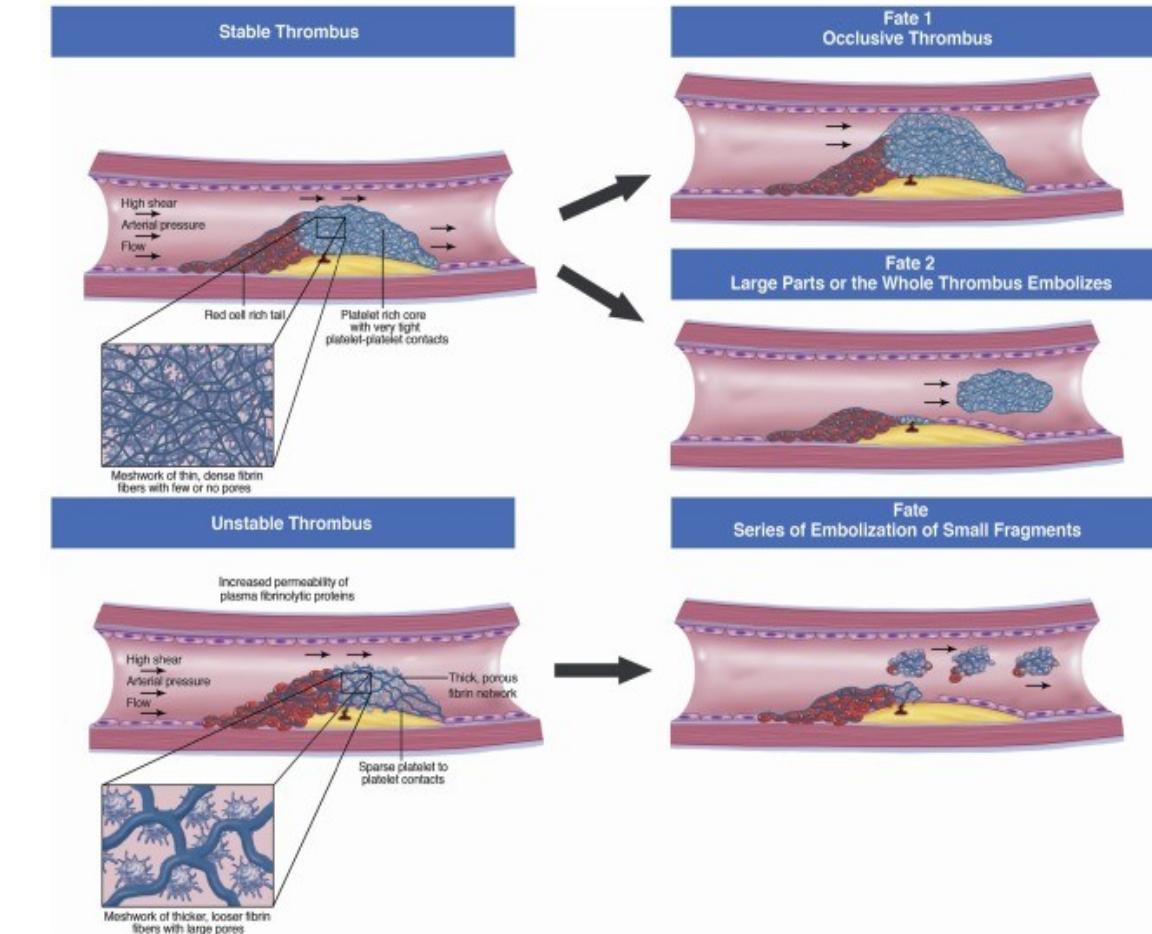
- <https://www.youtube.com/watch?v=QIlganpKic>
- Angioplastika
- <https://www.youtube.com/watch?v=p3z9FLYijrQ>



Srážení krve

- <https://www.youtube.com/watch?v=DKFSH5MMPLM>

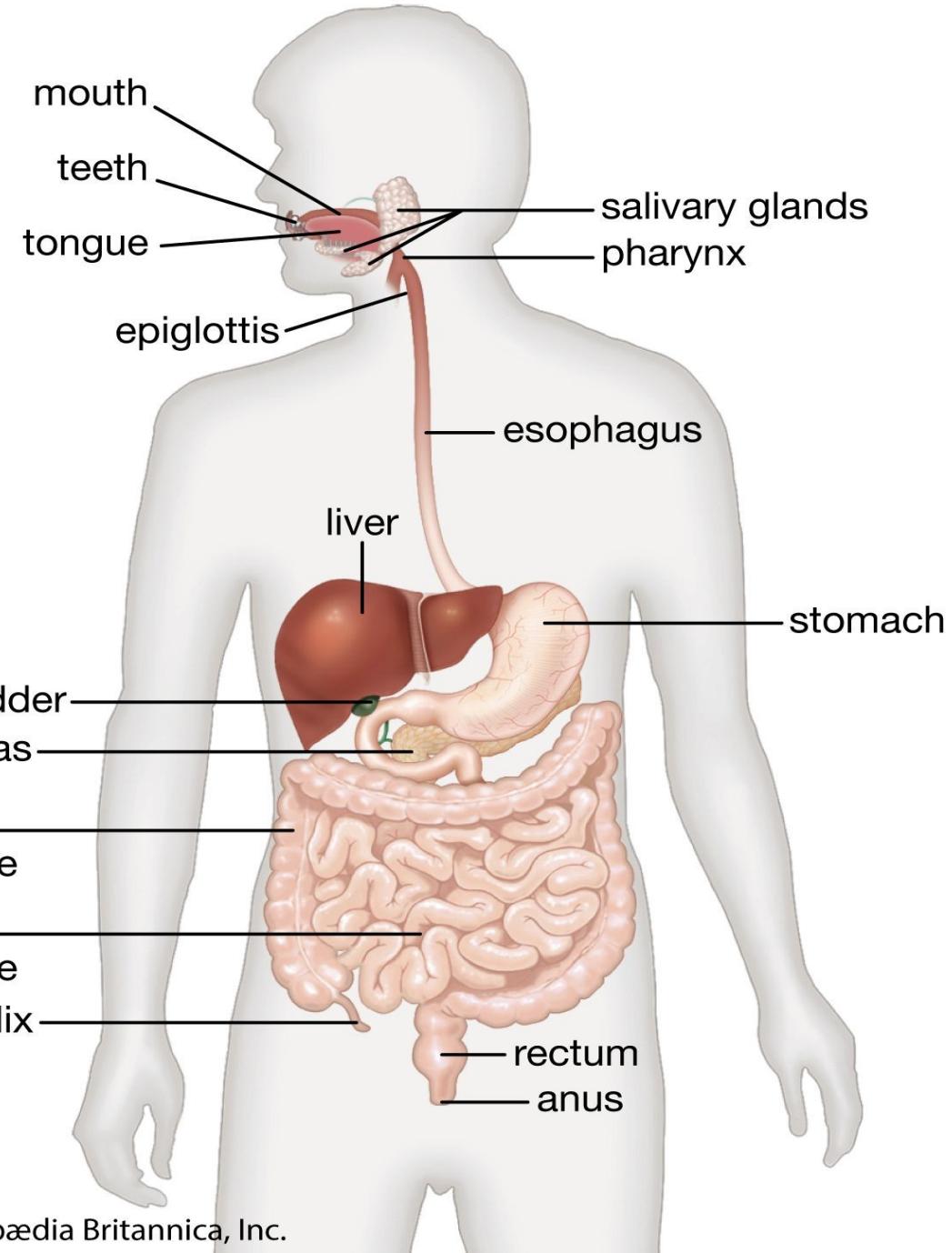
CENTRAL ILLUSTRATION: Potential Fate of a Growing Aterial Thrombus, Depending on Thrombus Stability



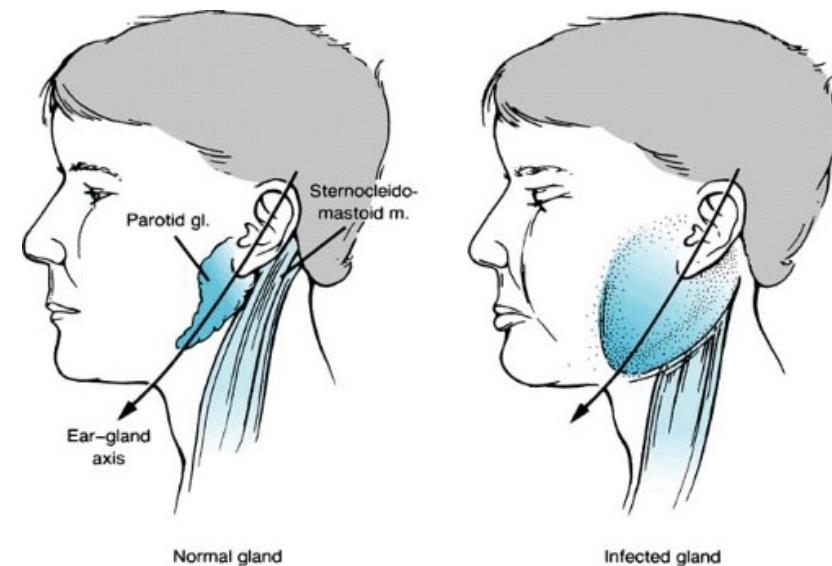
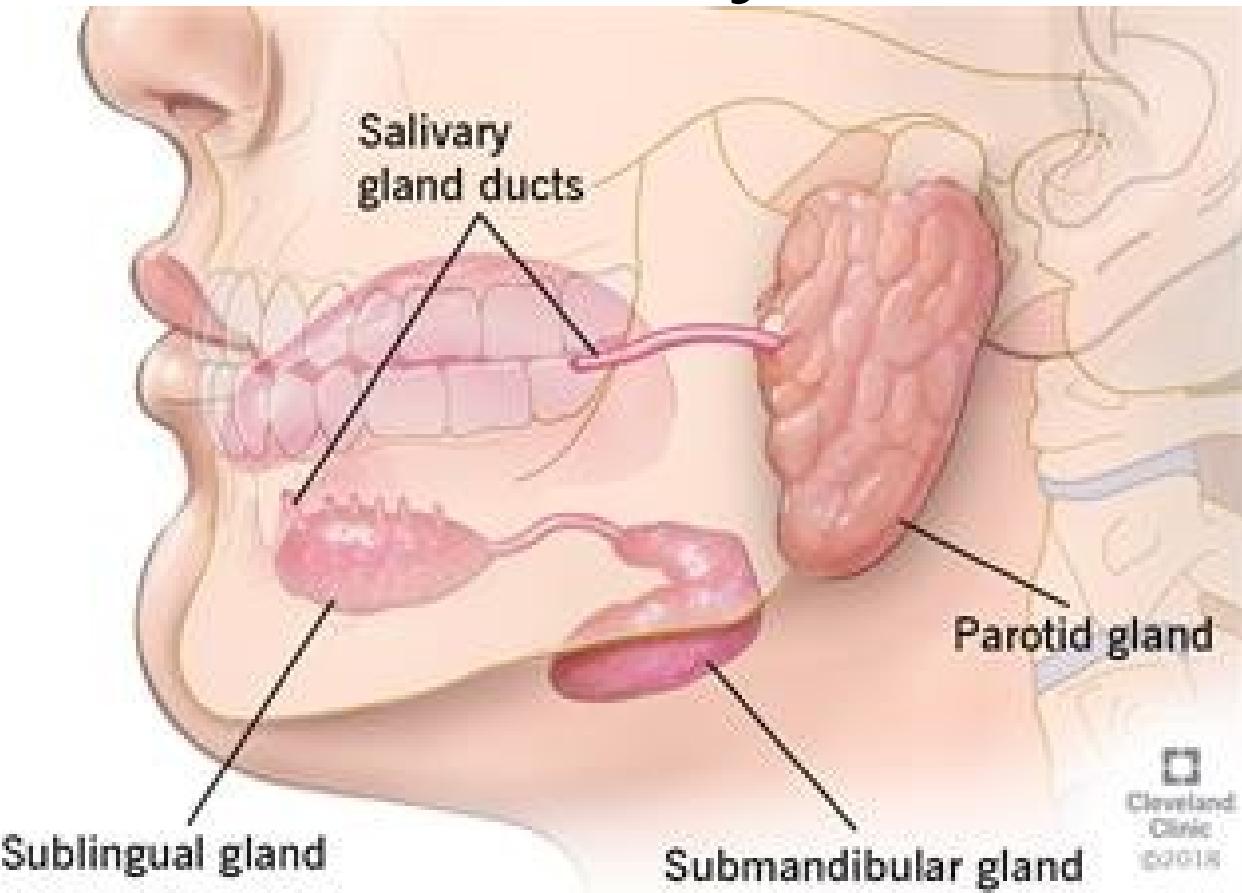
Gorog, D.A. et al. J Am Coll Cardiol. 2017;70(16):2036-47.

Trávicí systém

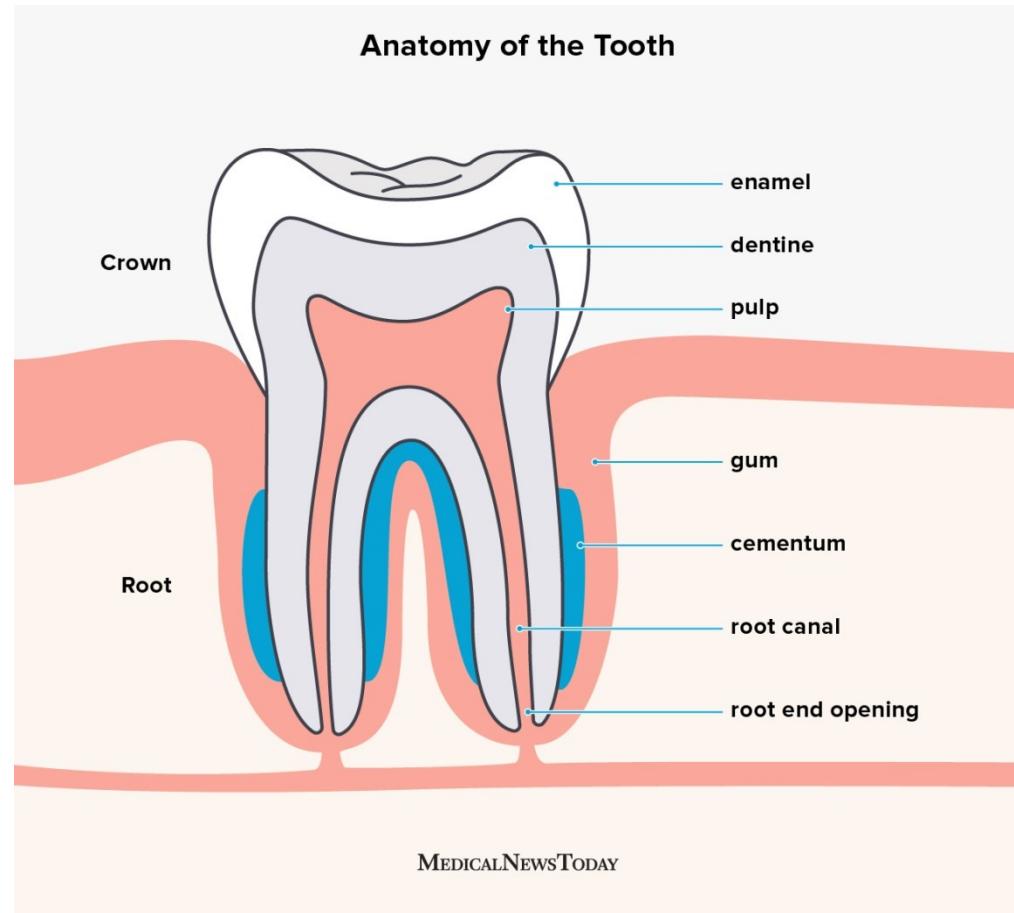
- <https://www.youtube.com/watch?v=X3TAROotFfM>



Slinné žlázy



Zuby, dentes



MEDICALNEWS TODAY

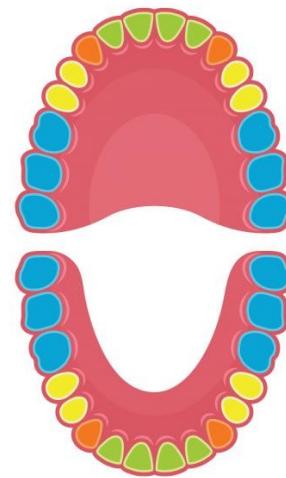
Teeth Names

Primary Teeth



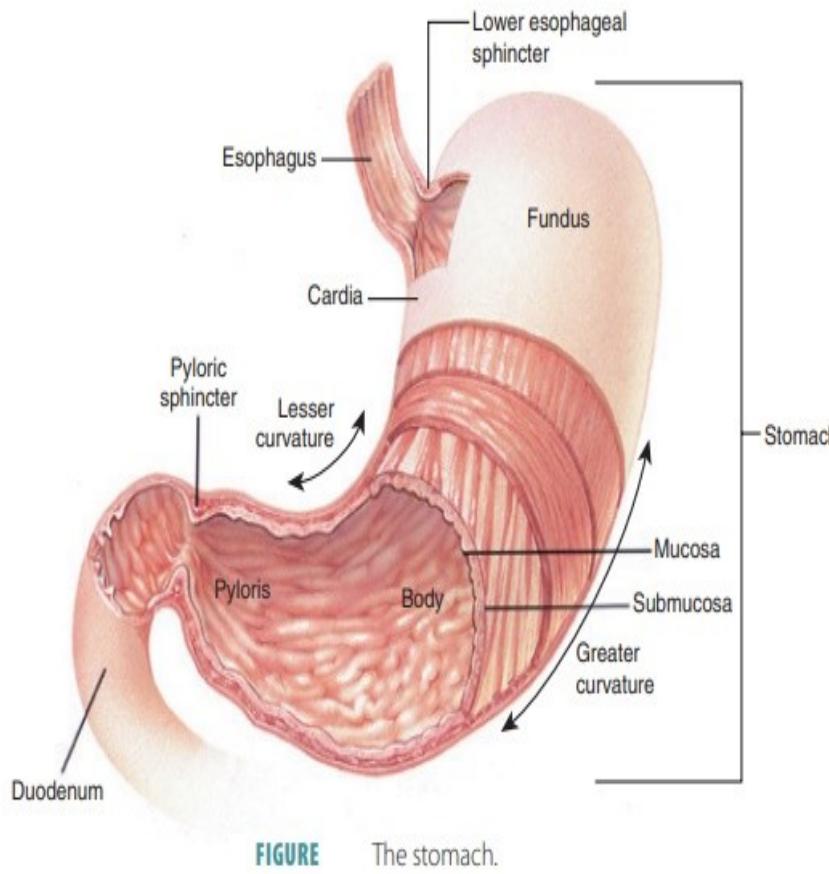
Upper
Lower

Secondary Teeth



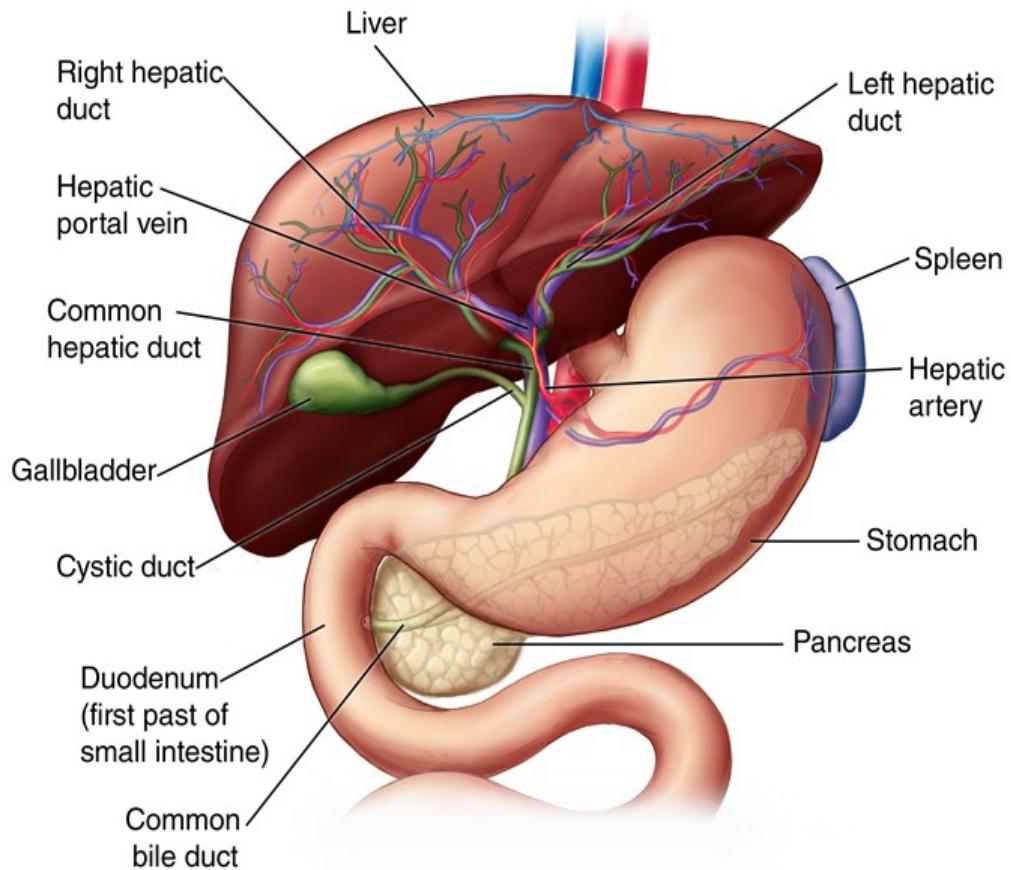
incisors canines premolars molars

Žaludek

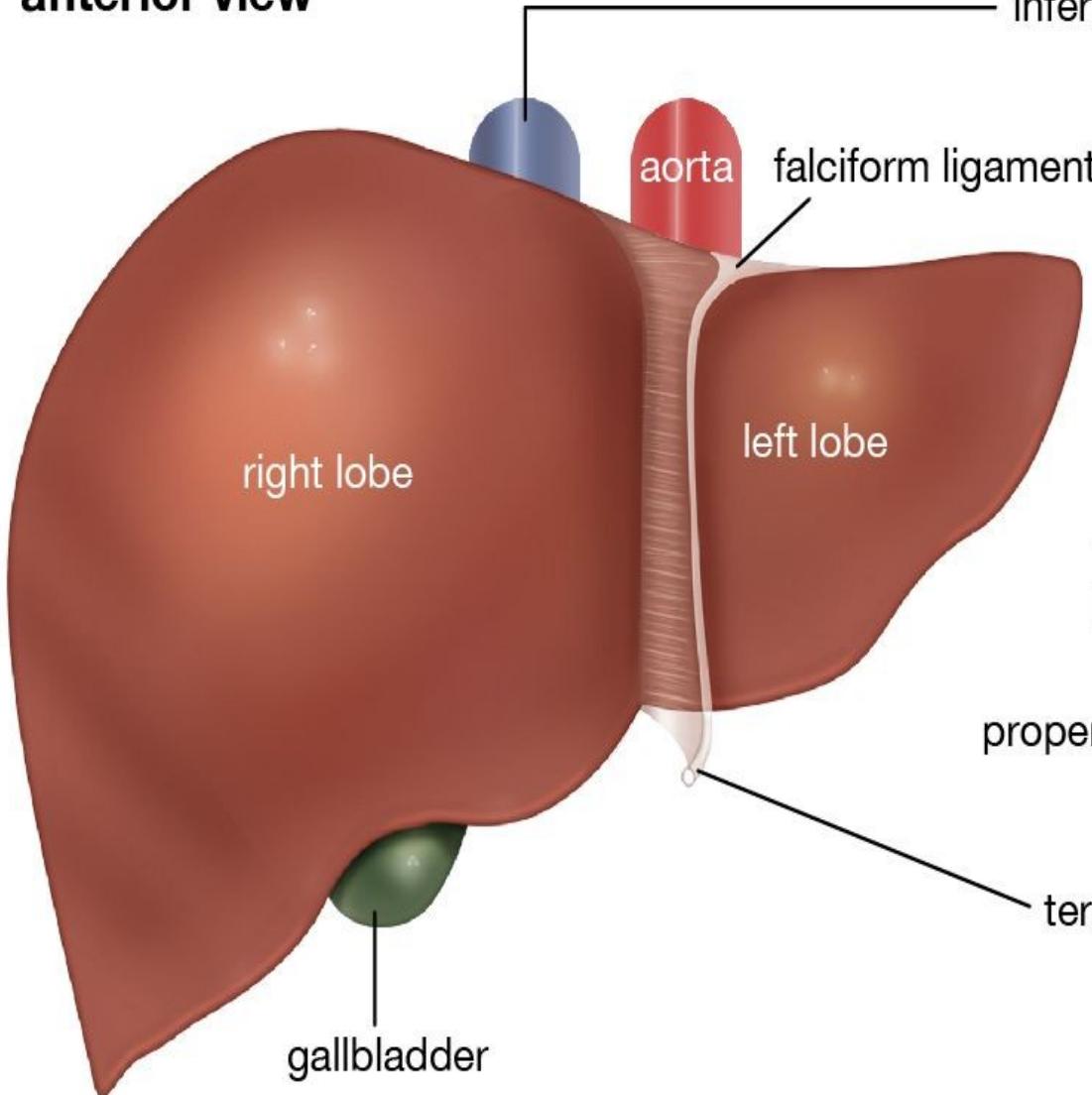


- Funkce:
 - Mechanická
 - Chemická
 - HCl
 - Pepsin
 - Vnitřní faktor
 - Mucin
- <https://youtu.be/ZuJzYYIS9c4>

Játra



anterior view



inferior vena cava

left triangular ligament

fissure
for teres
ligament

proper hepatic artery

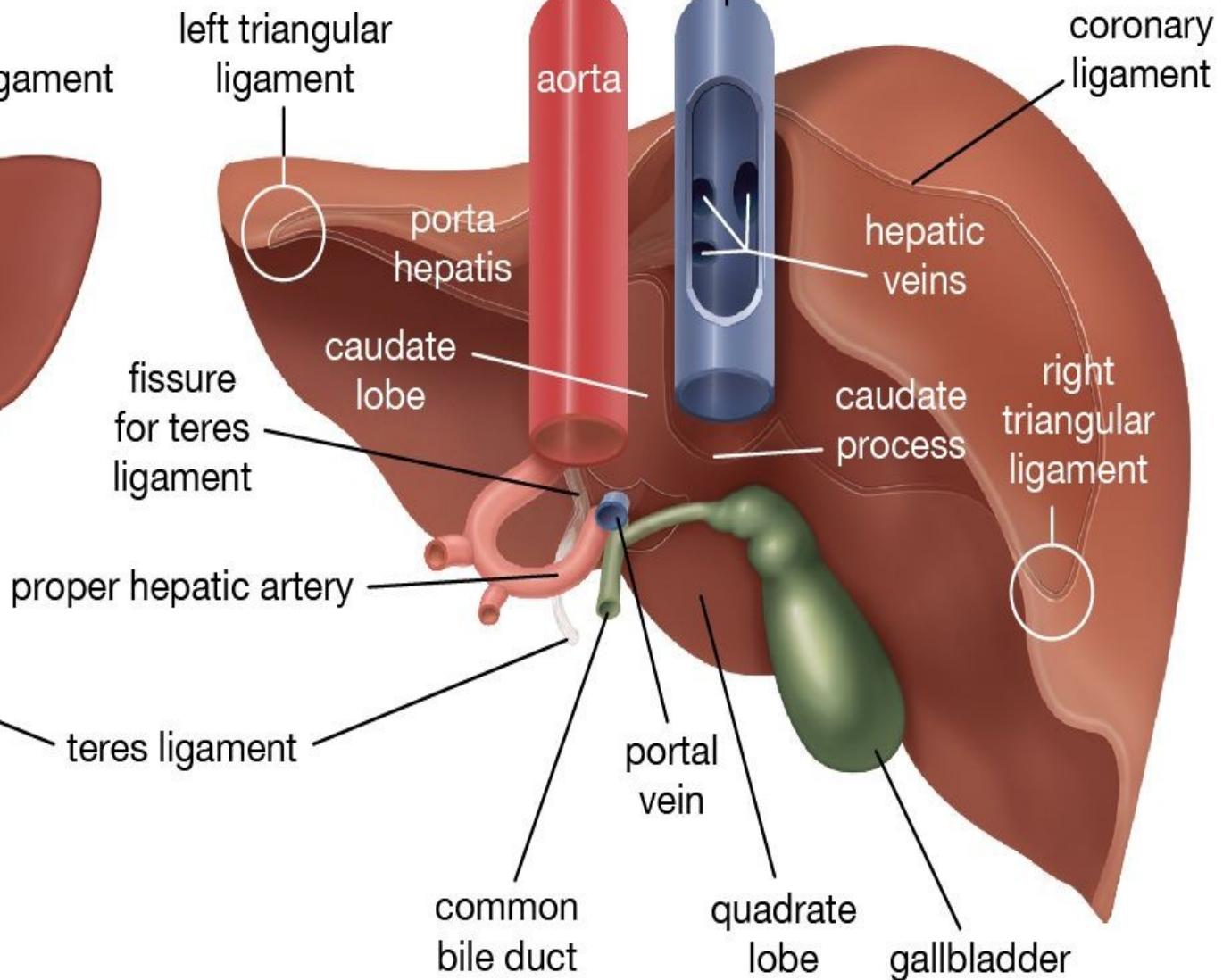
teres ligament

common
bile duct

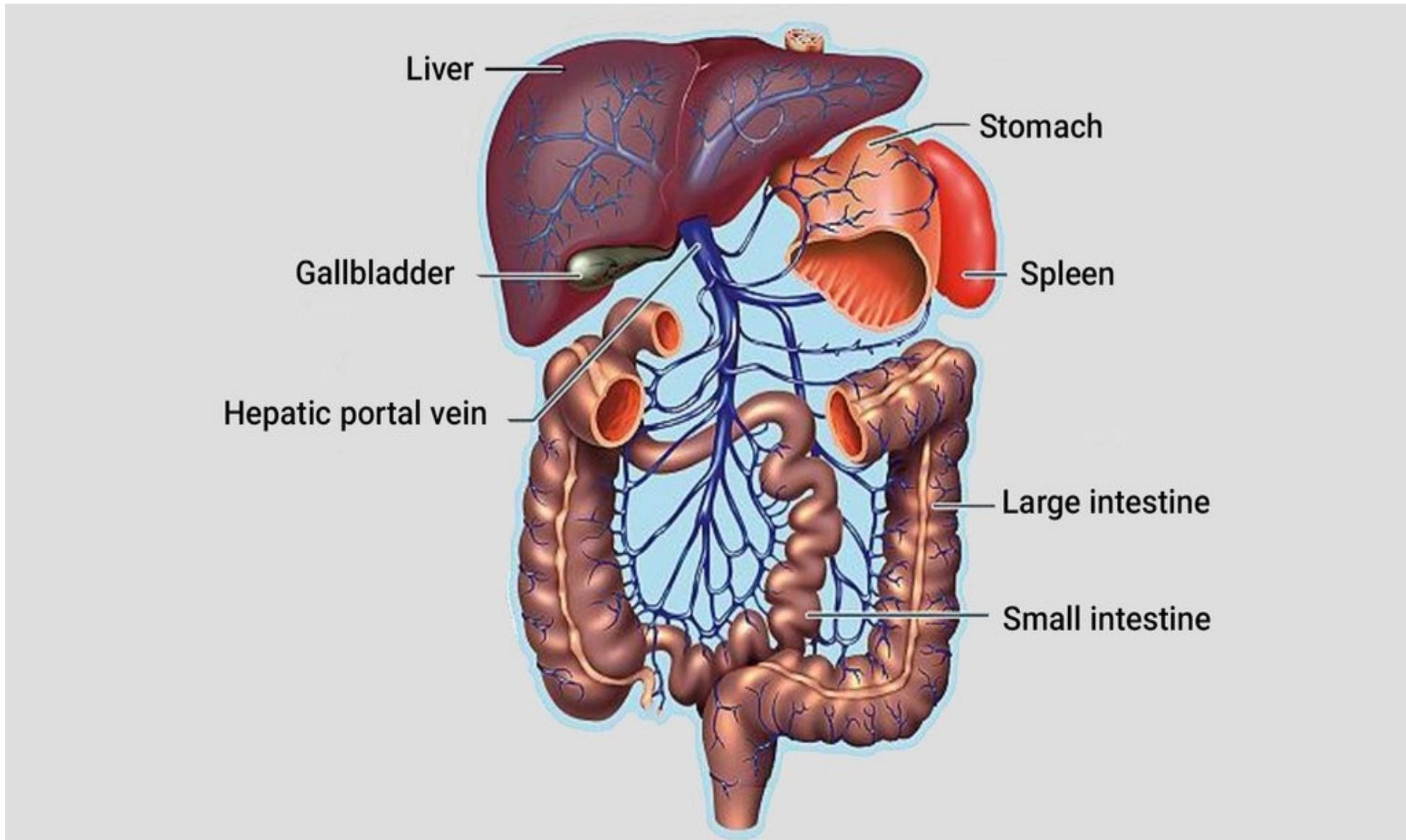
portal
vein

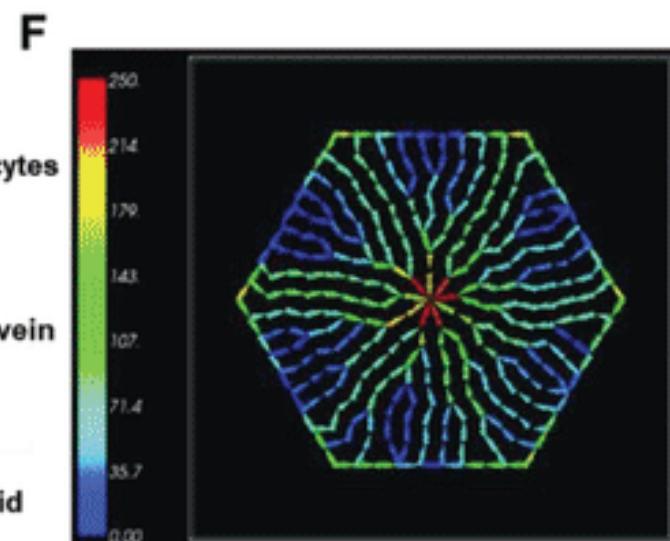
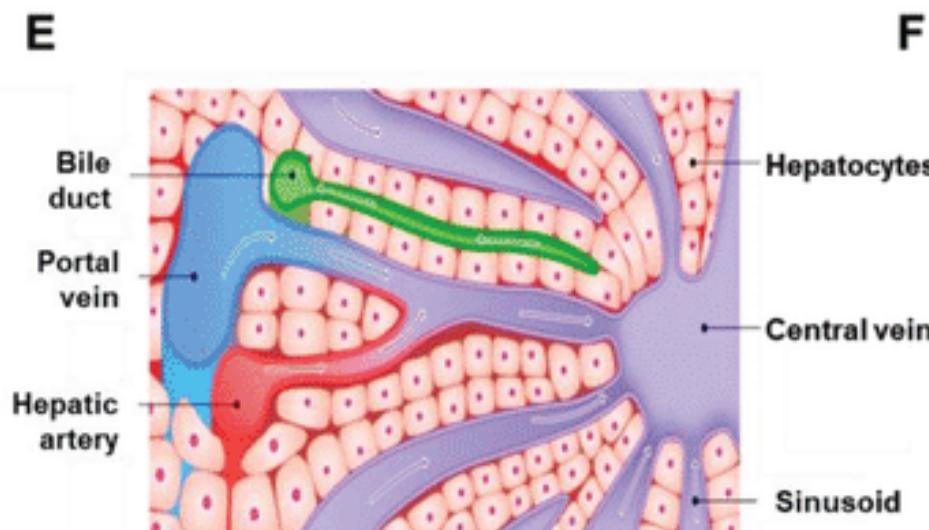
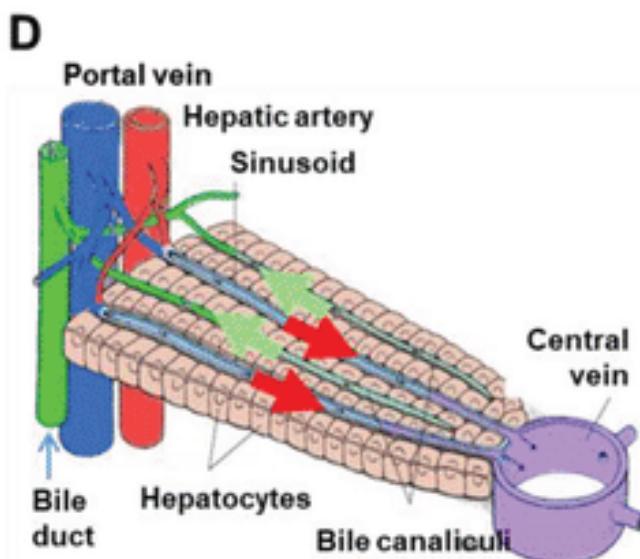
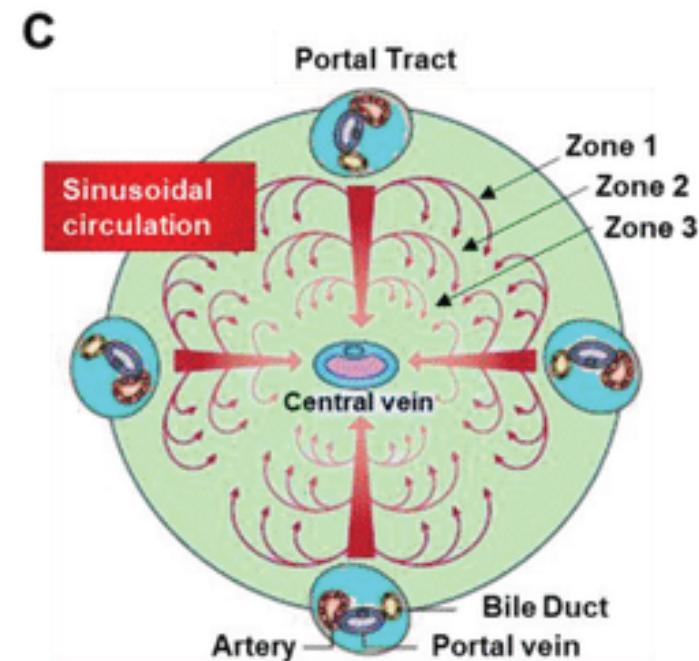
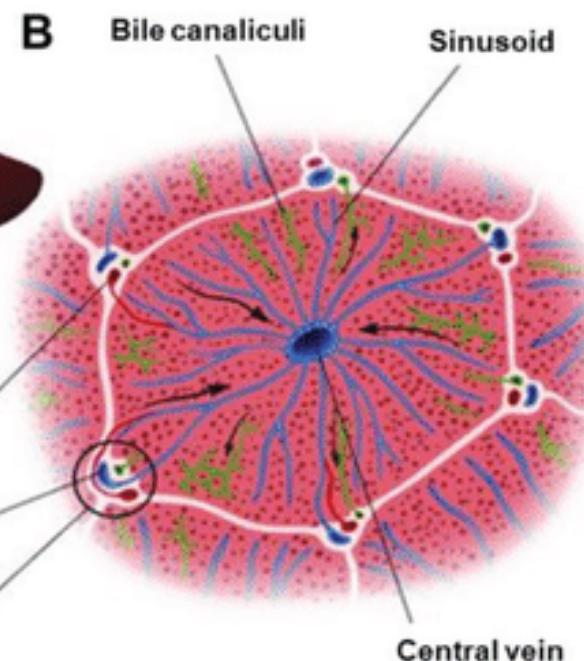
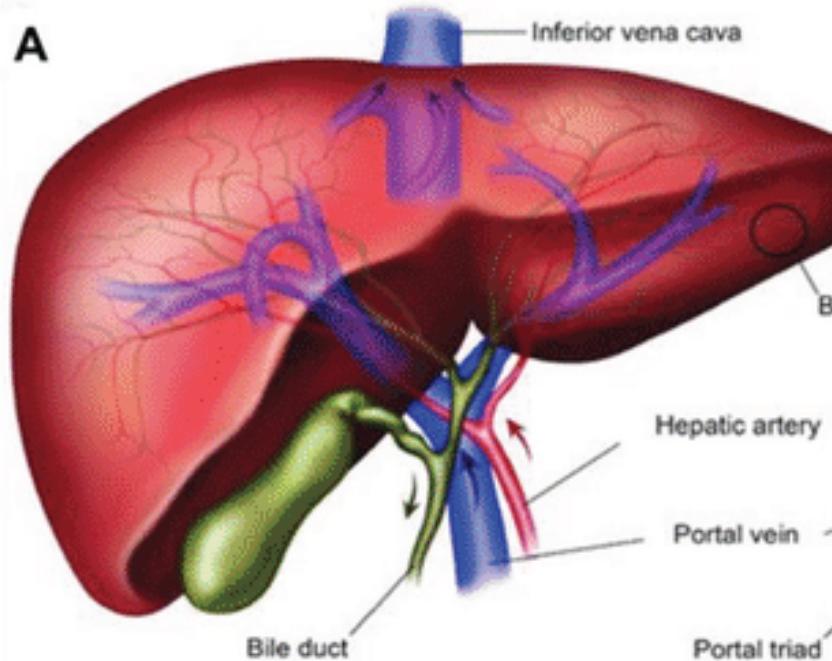
quadrate
lobe

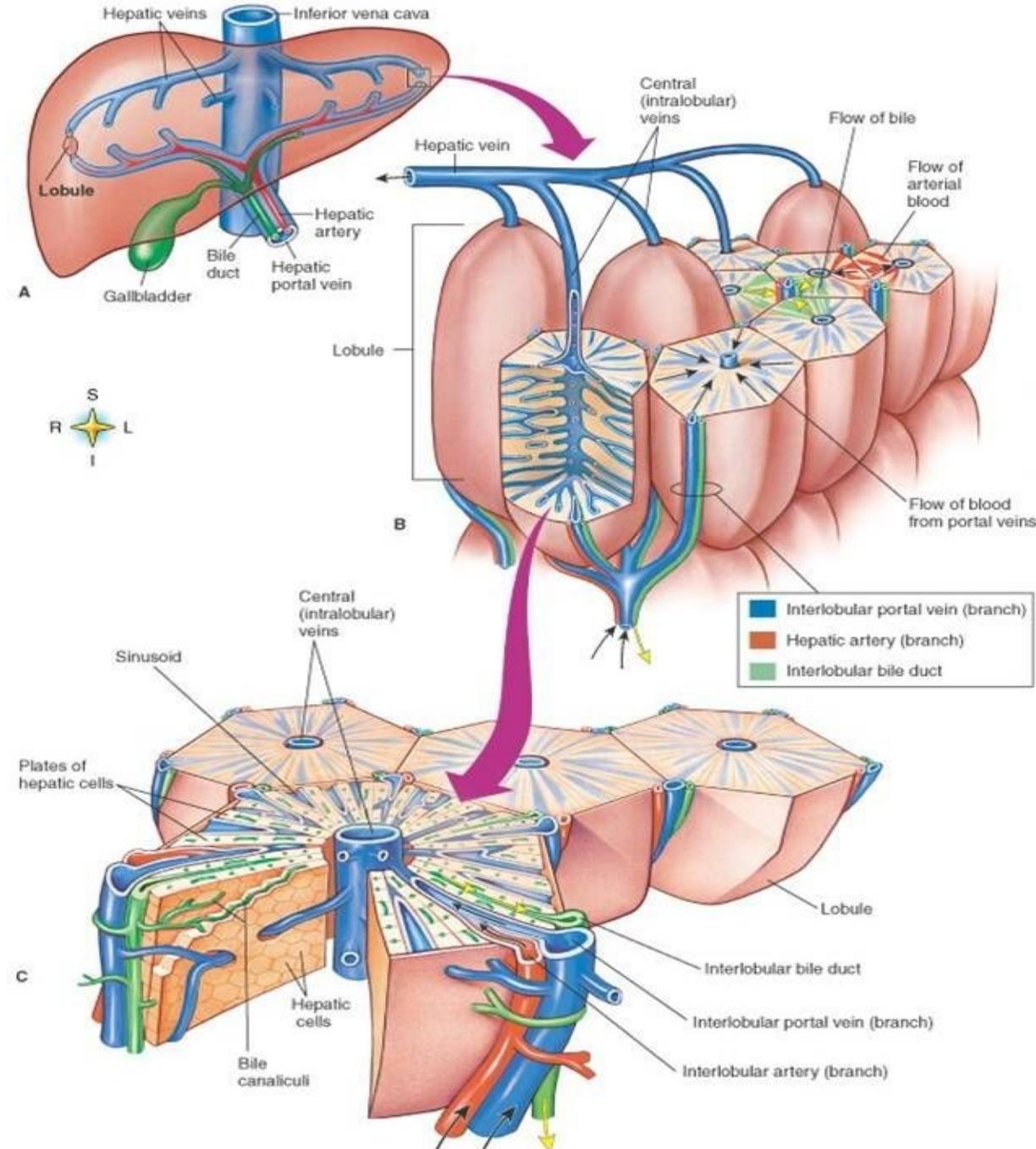
posterior view



Portální oběh





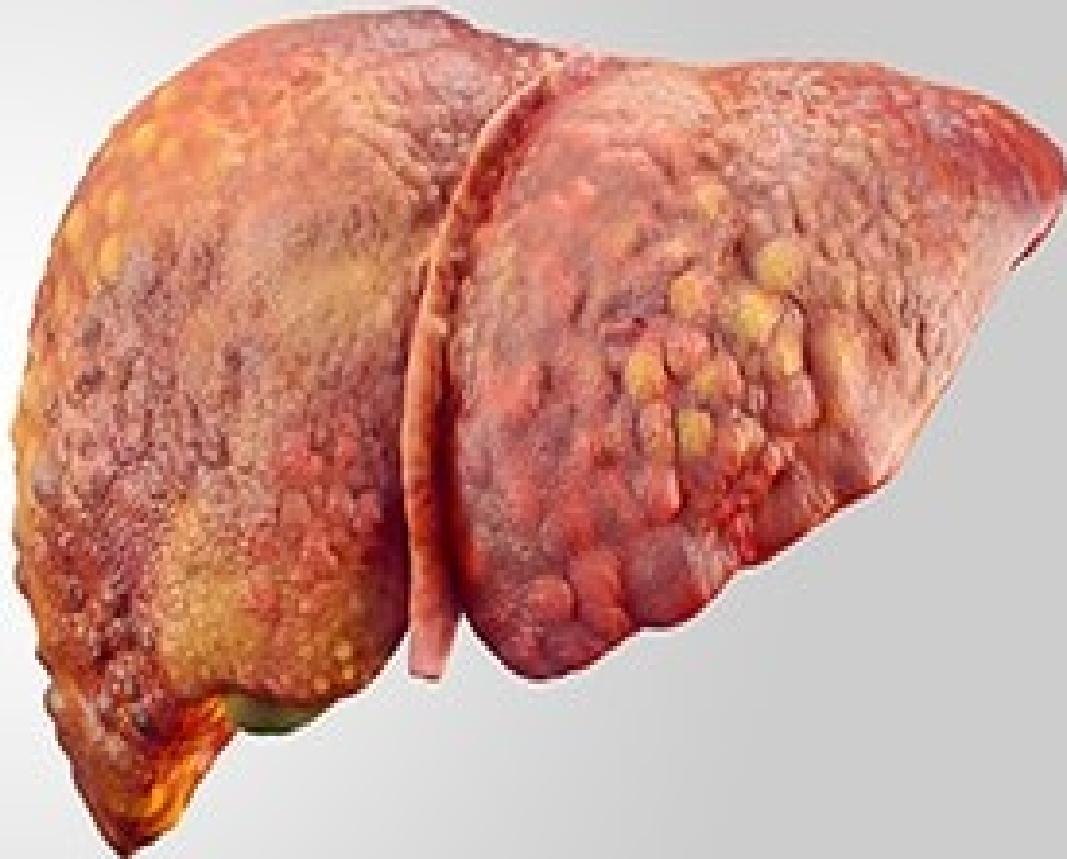


Funkce jater

- <https://youtu.be/Qxnq3gj8Pa4>

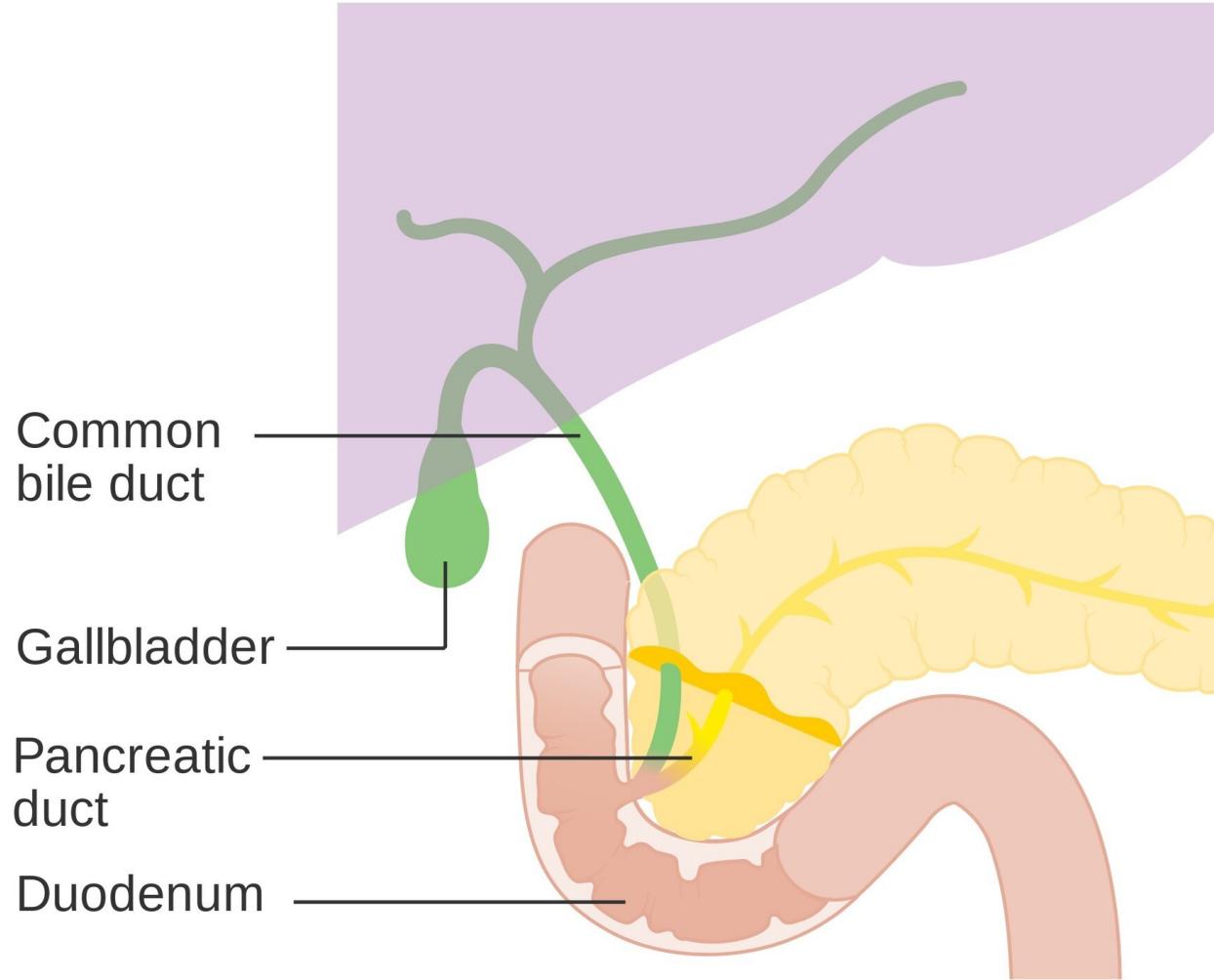


healthy liver

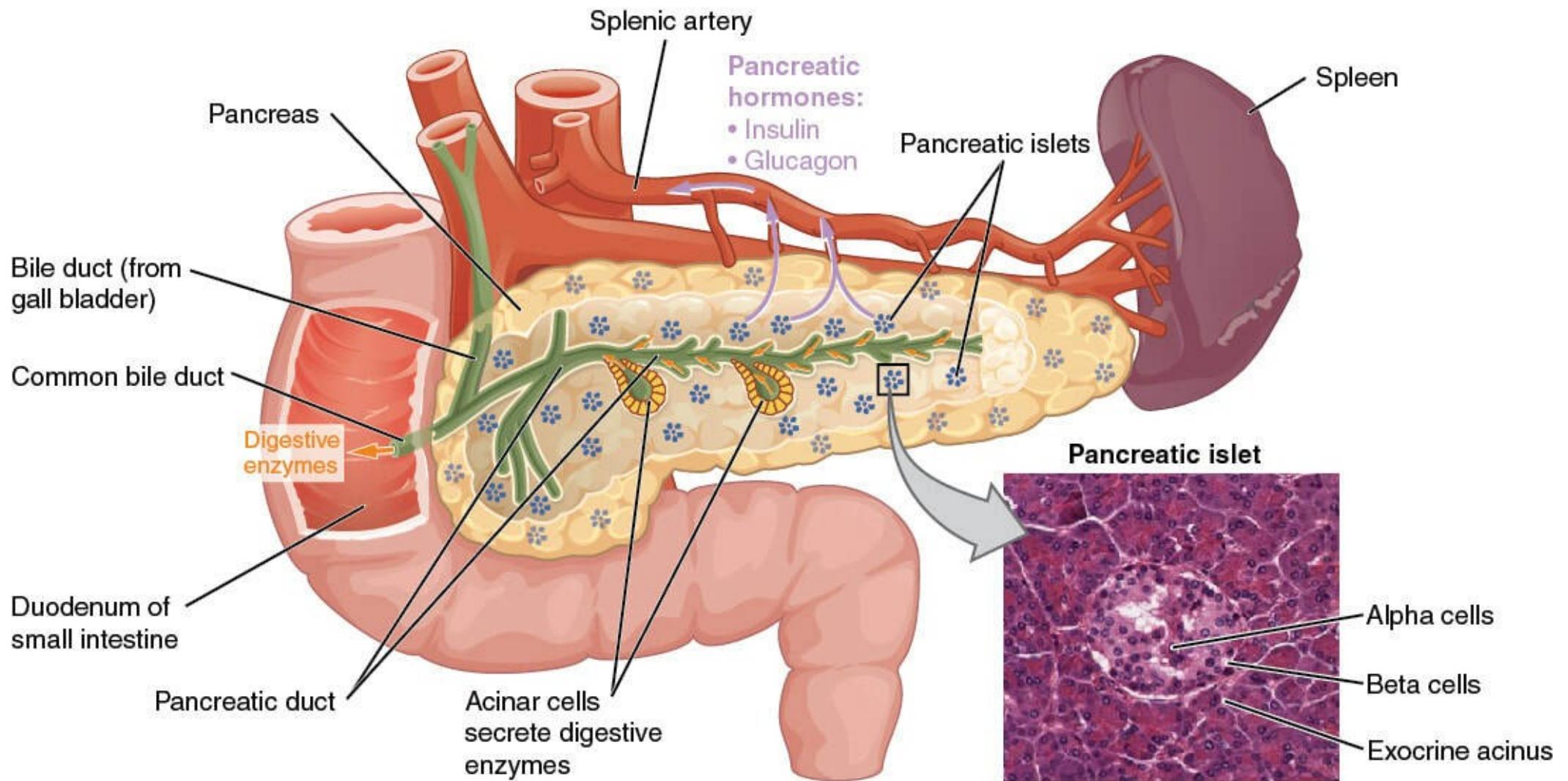


cirrhosis

Žlučové cesty



Slinivka břišní, pancreas



Střeva

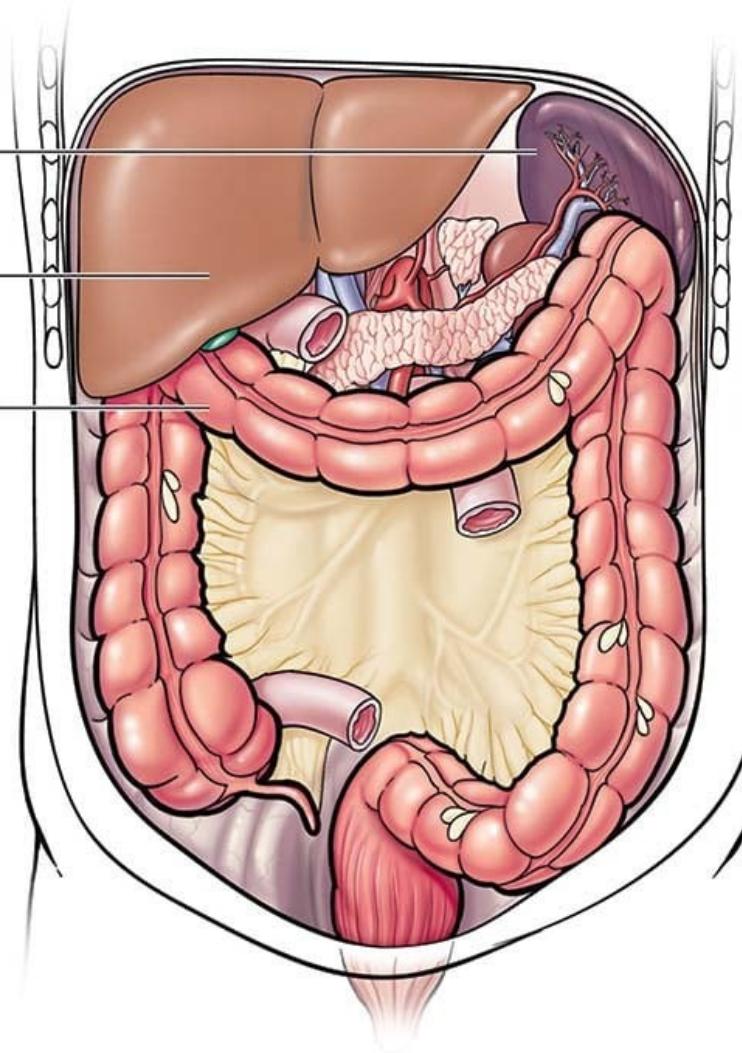
Large intestine

Colon

Spleen

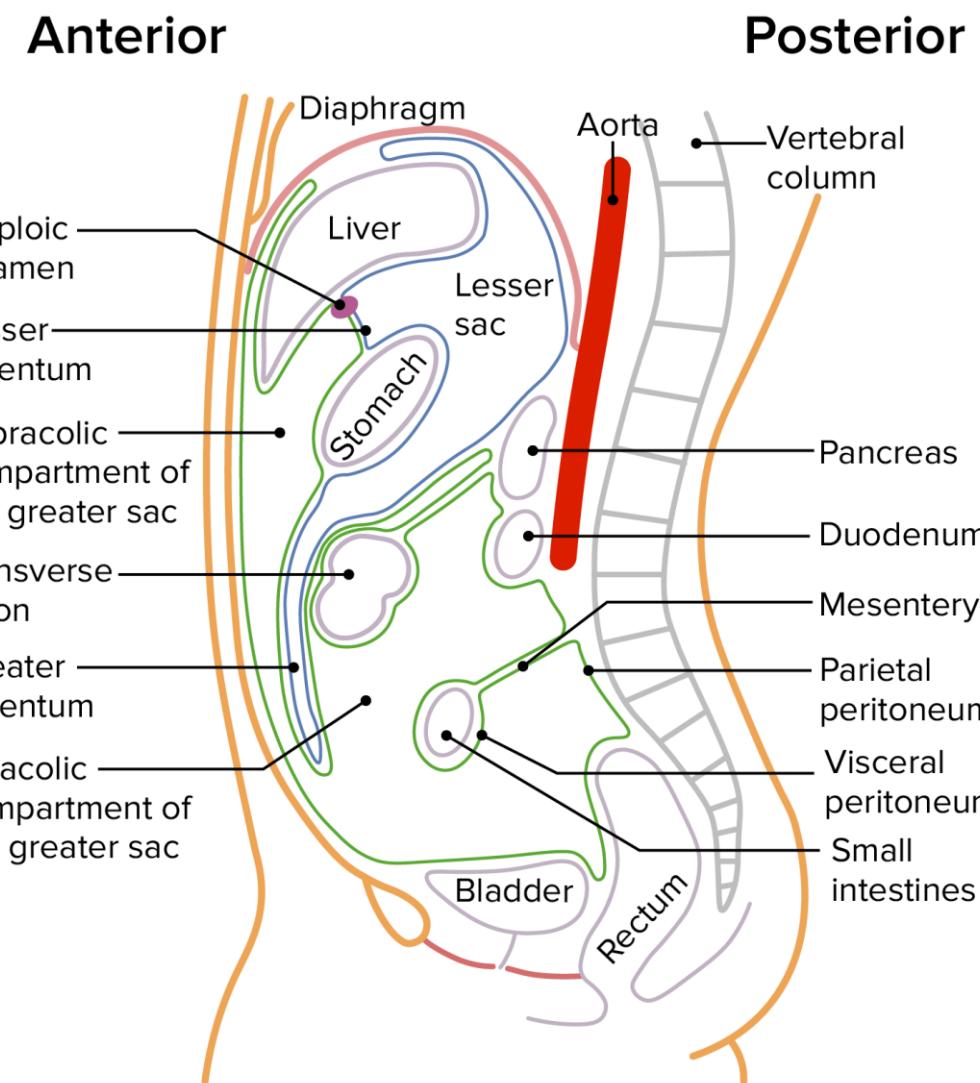
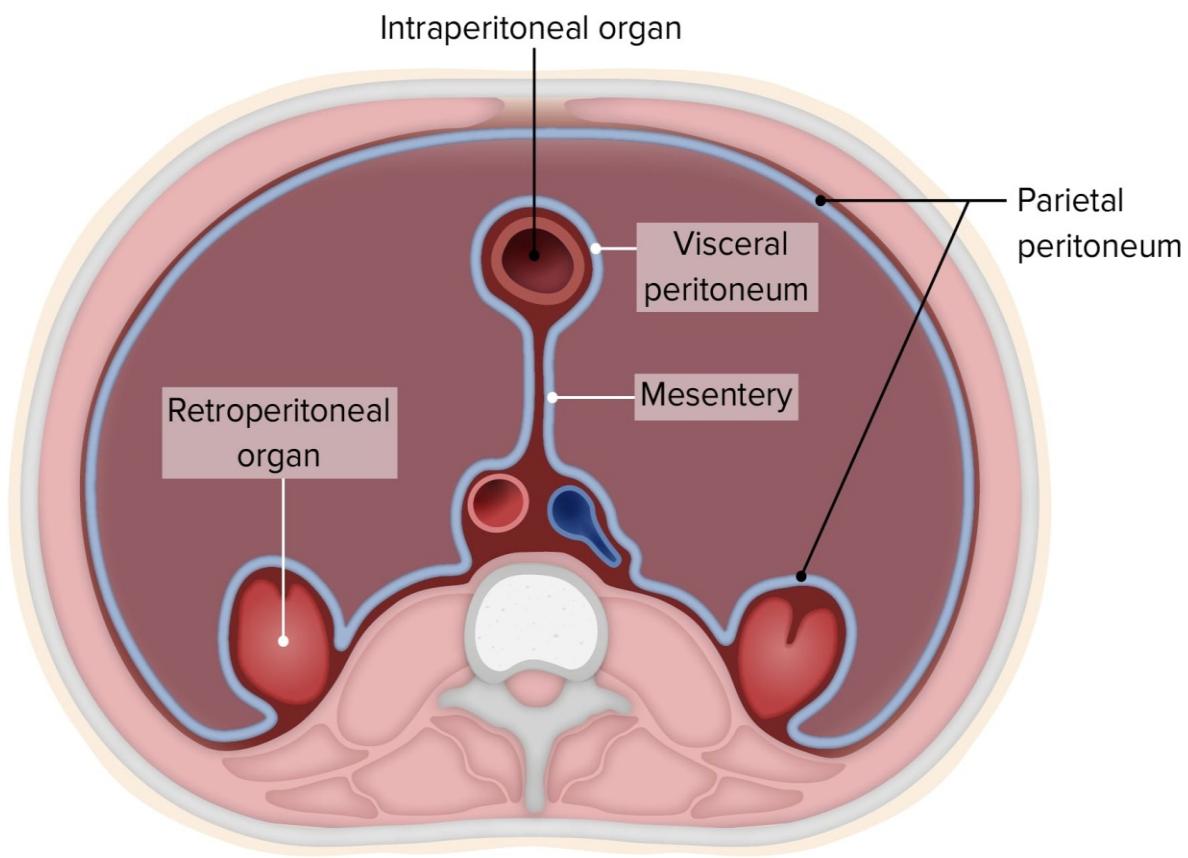
Liver

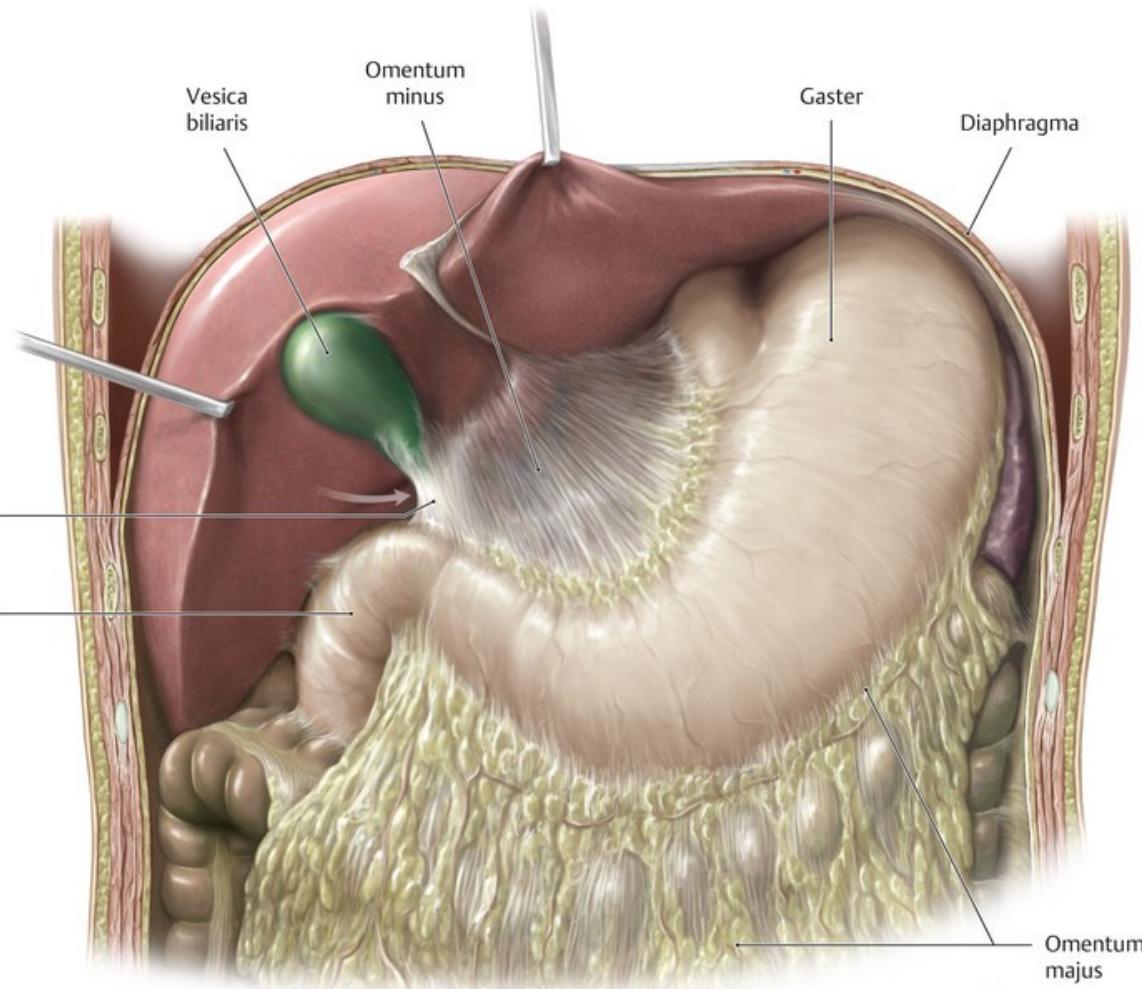
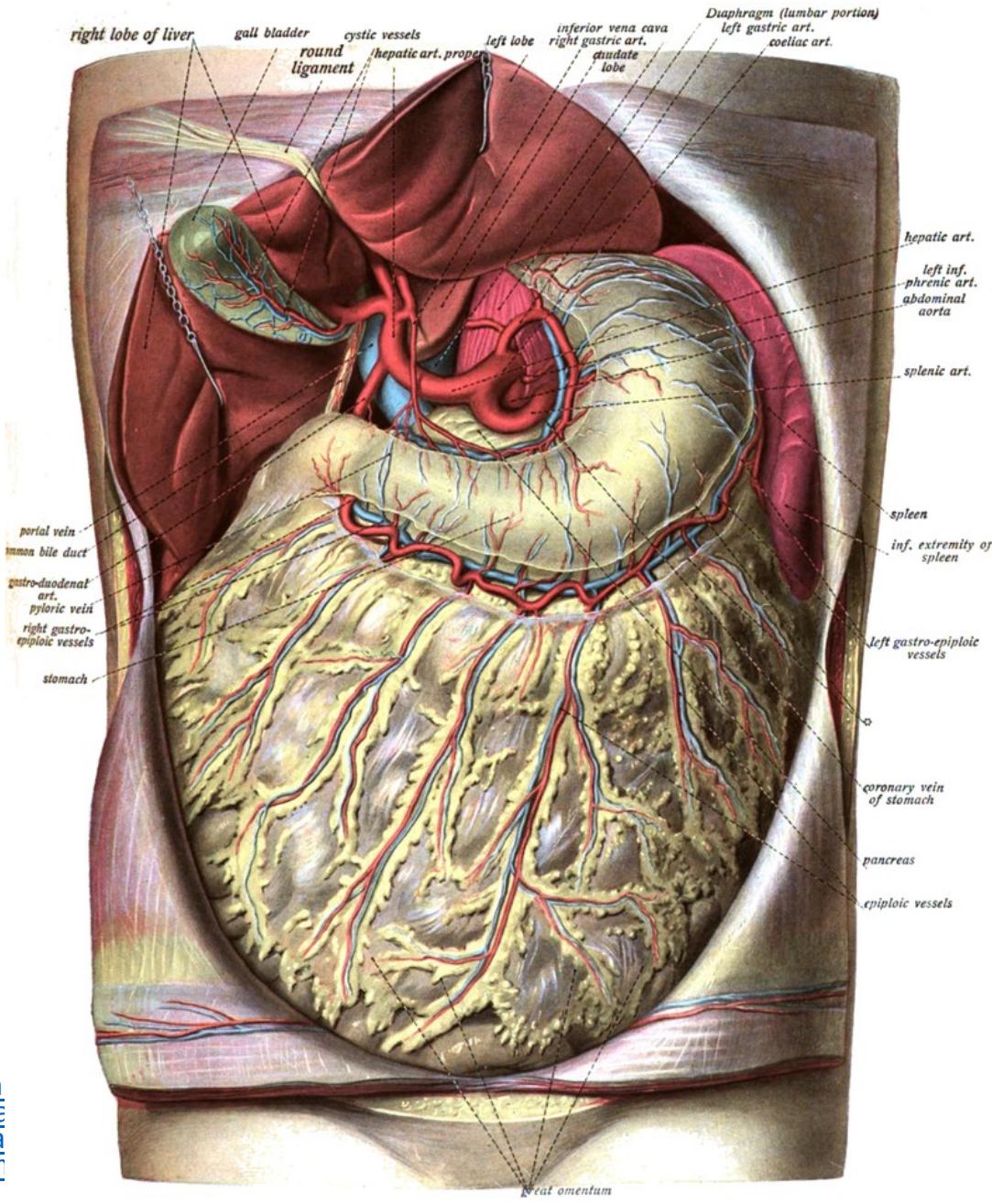
Large
intestine



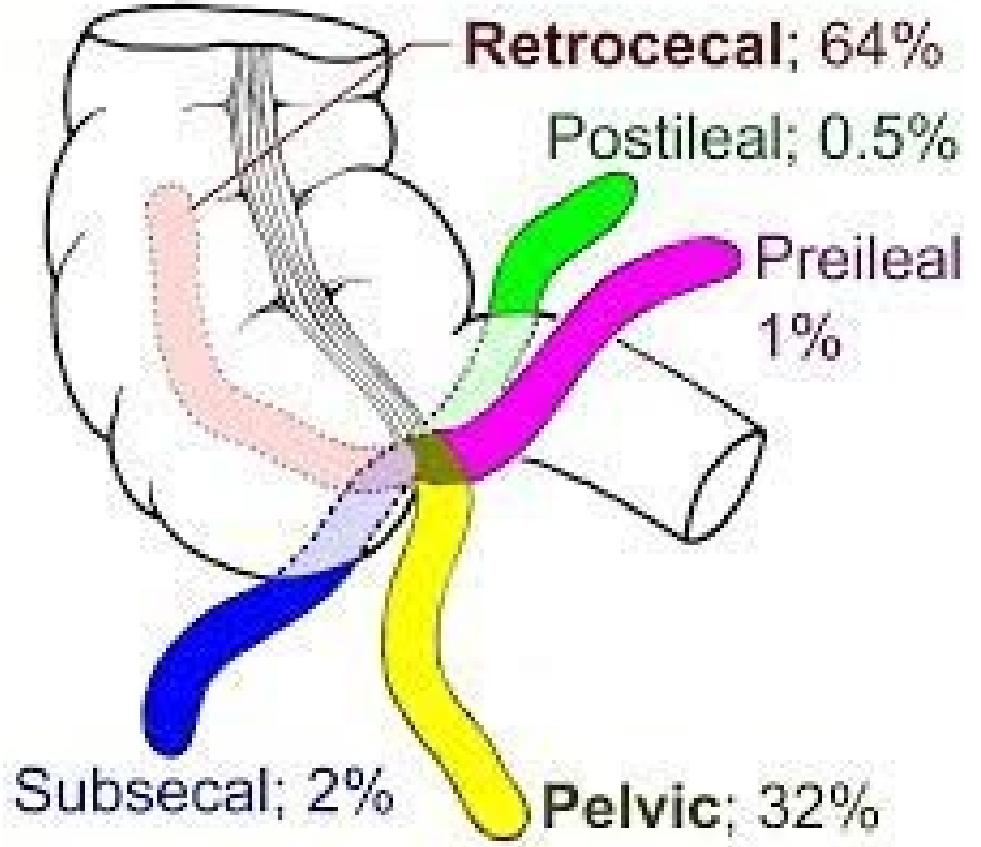
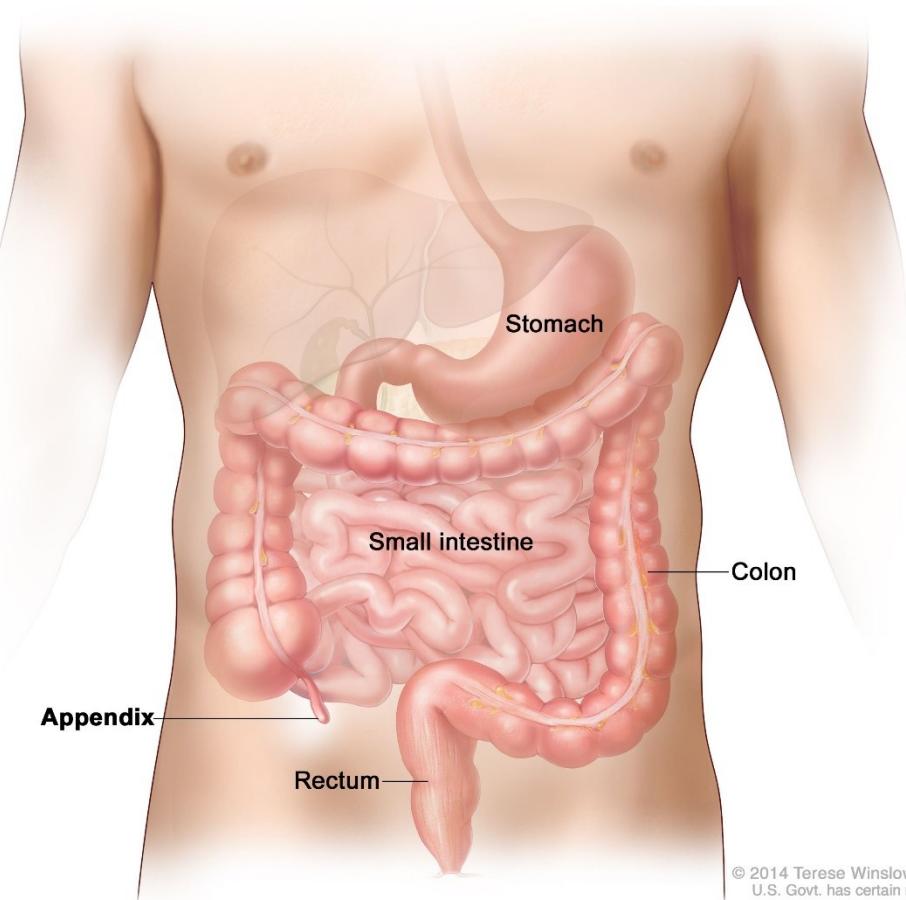
Cleveland
Clinic
©2021

Peritoneum



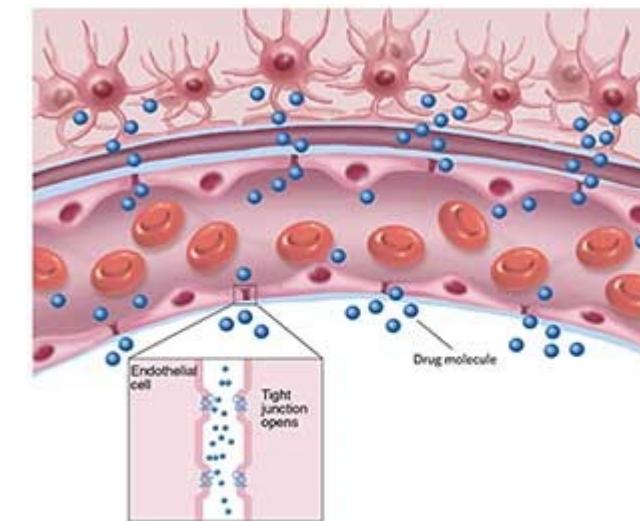
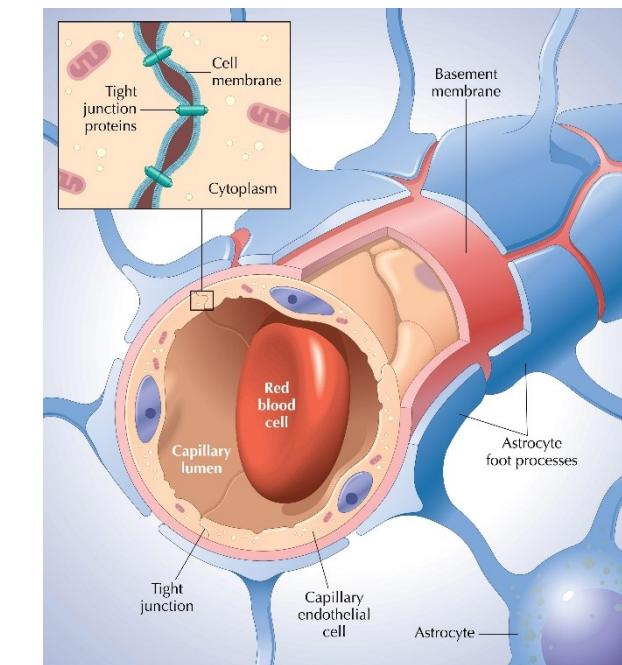
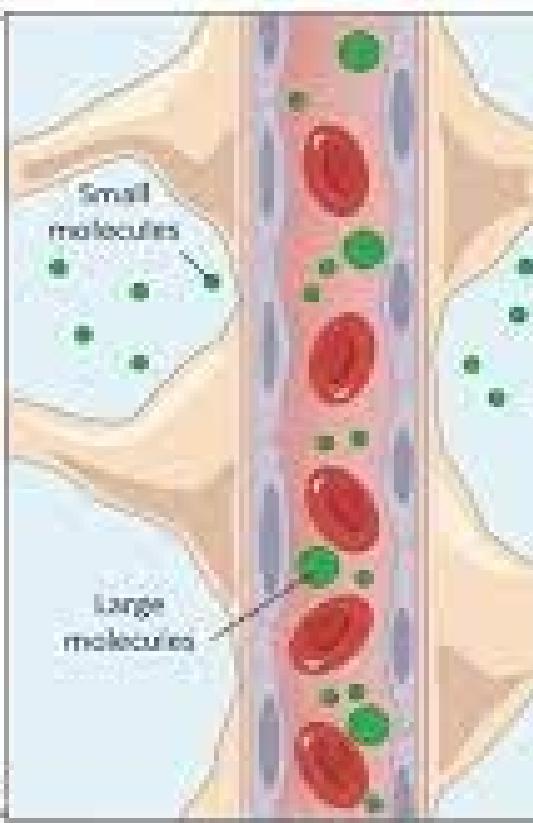
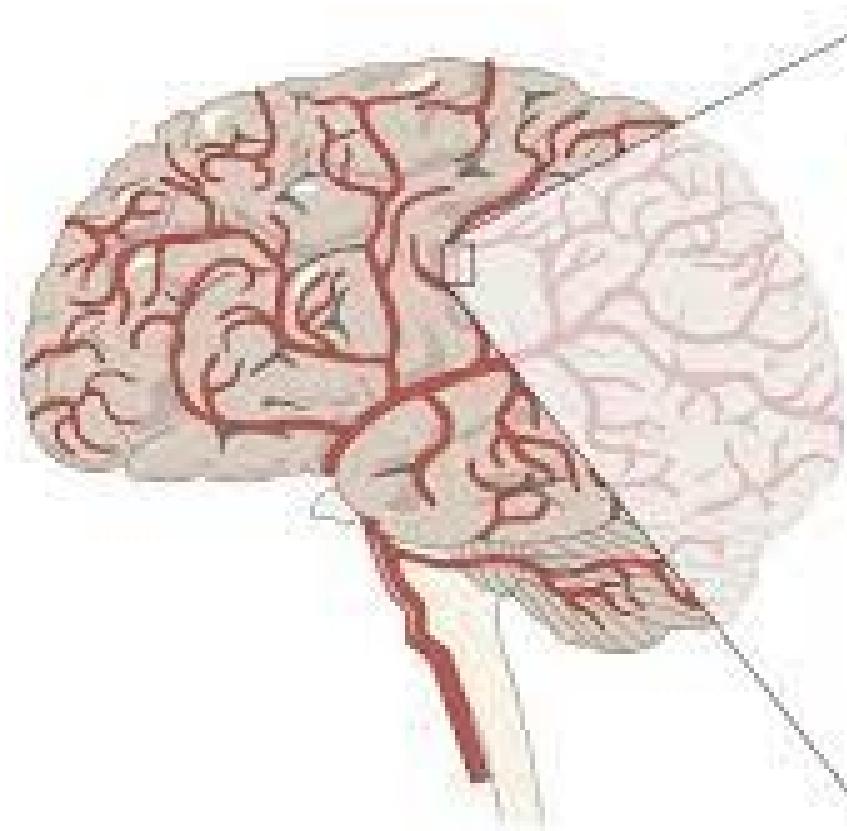


Appendix



Hematoencefalická bariéra

- <https://www.youtube.com/watch?v=noWwbvmdhL0>



https://www.google.com/search?q=hematoencephalic+barrier&tbo=isch&ved=2ahUKEwjkhLTb-cz7AhUOtKQKHYYwAI4Q2-cCegQIAABAA&oq=hematoencephalic&gs_lcp=CgNpbWcQARgAMgUIABCABDIECAAQHjIECAAQHjIECAAQHjIECAAQHjIHCQGDoGCAAQBXeOgQIAABDQggIABCABCxAzogCAAQBRAeUP8KWLMzYPFGaABwAHgAgAfIAHLC5IBBDEzLjSYAQcgAQGqAQtnd3Mt2l6LWIz8ABAQ&sclient=img&ei=mJqCY-TYDI7okgWG4YjwBQ&bih=241&biw=615&rlz=1C1CHBF_enCZ924CZ924&hl=cs#imgrc=hXA8pztxr9FLM