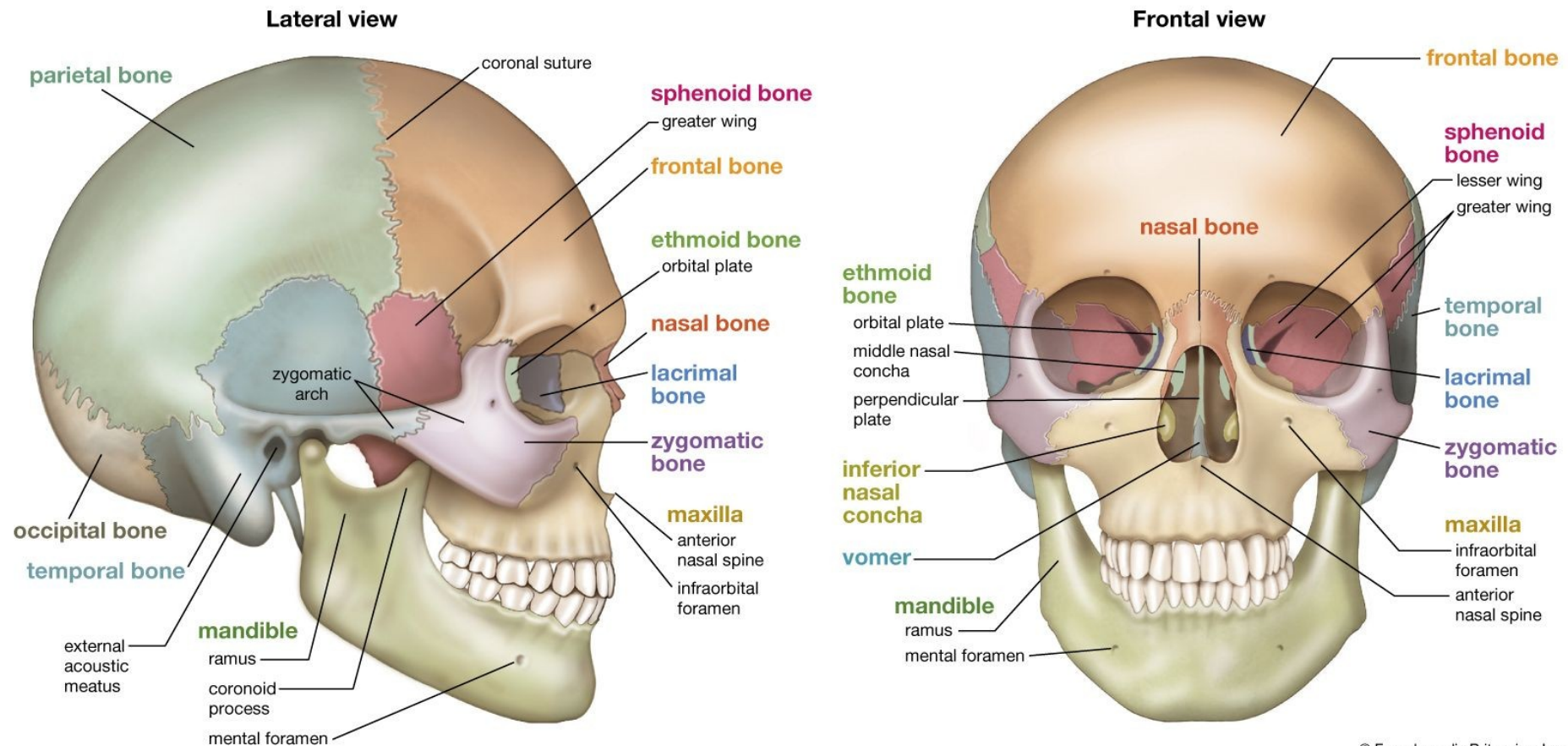


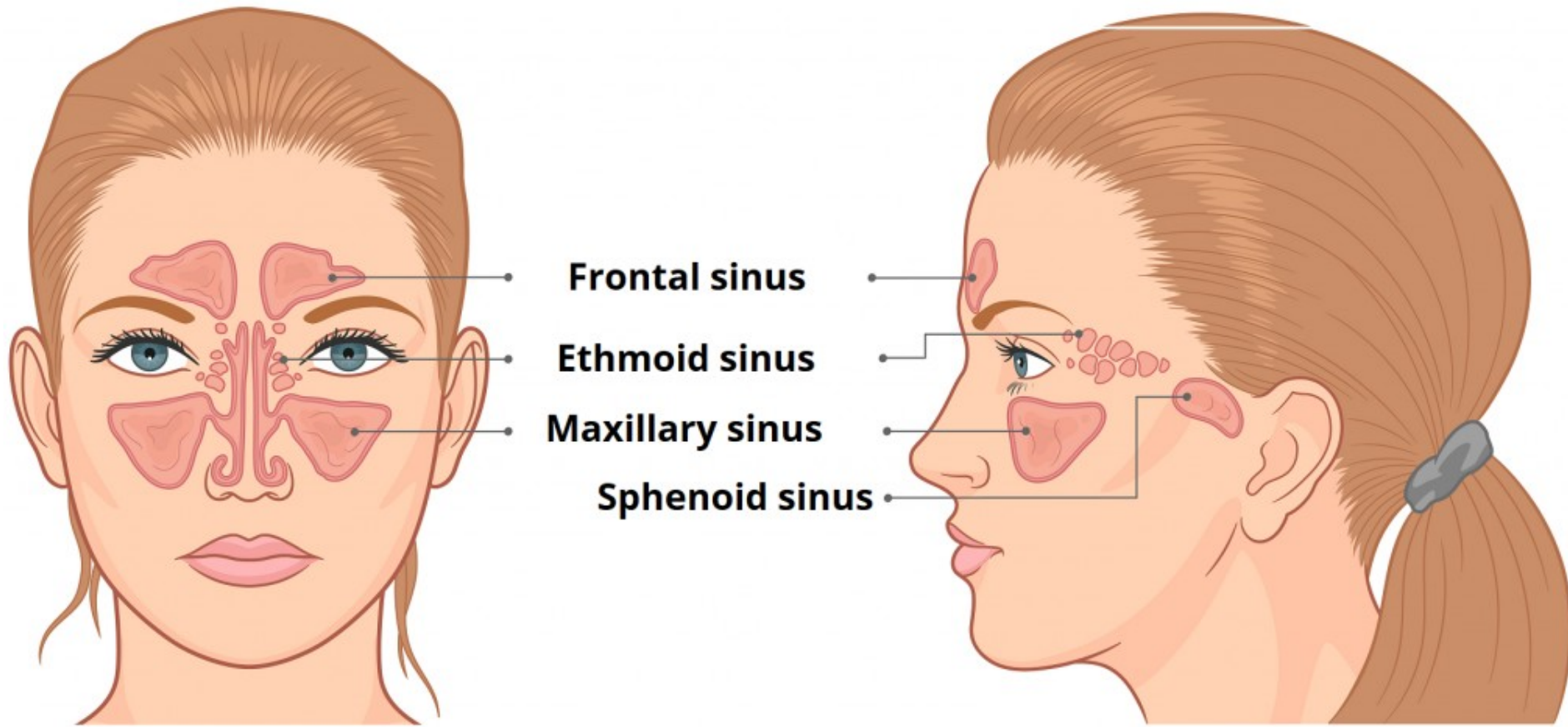
Kostra - lebka



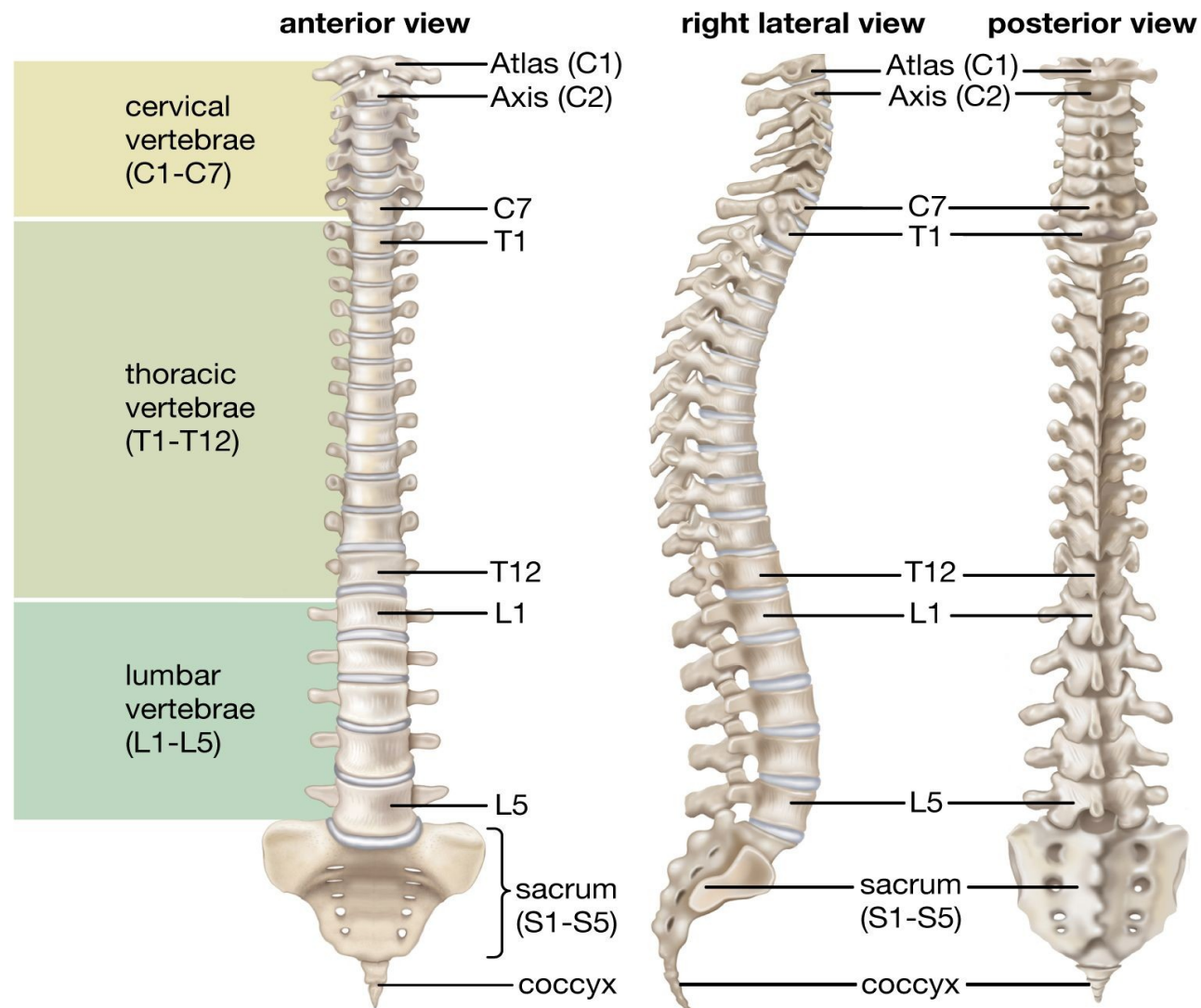
© Encyclopædia Britannica, Inc.

<https://www.britannica.com/science/human-skeleton>

Vedlejší dutiny nosní – sinusi paranasales



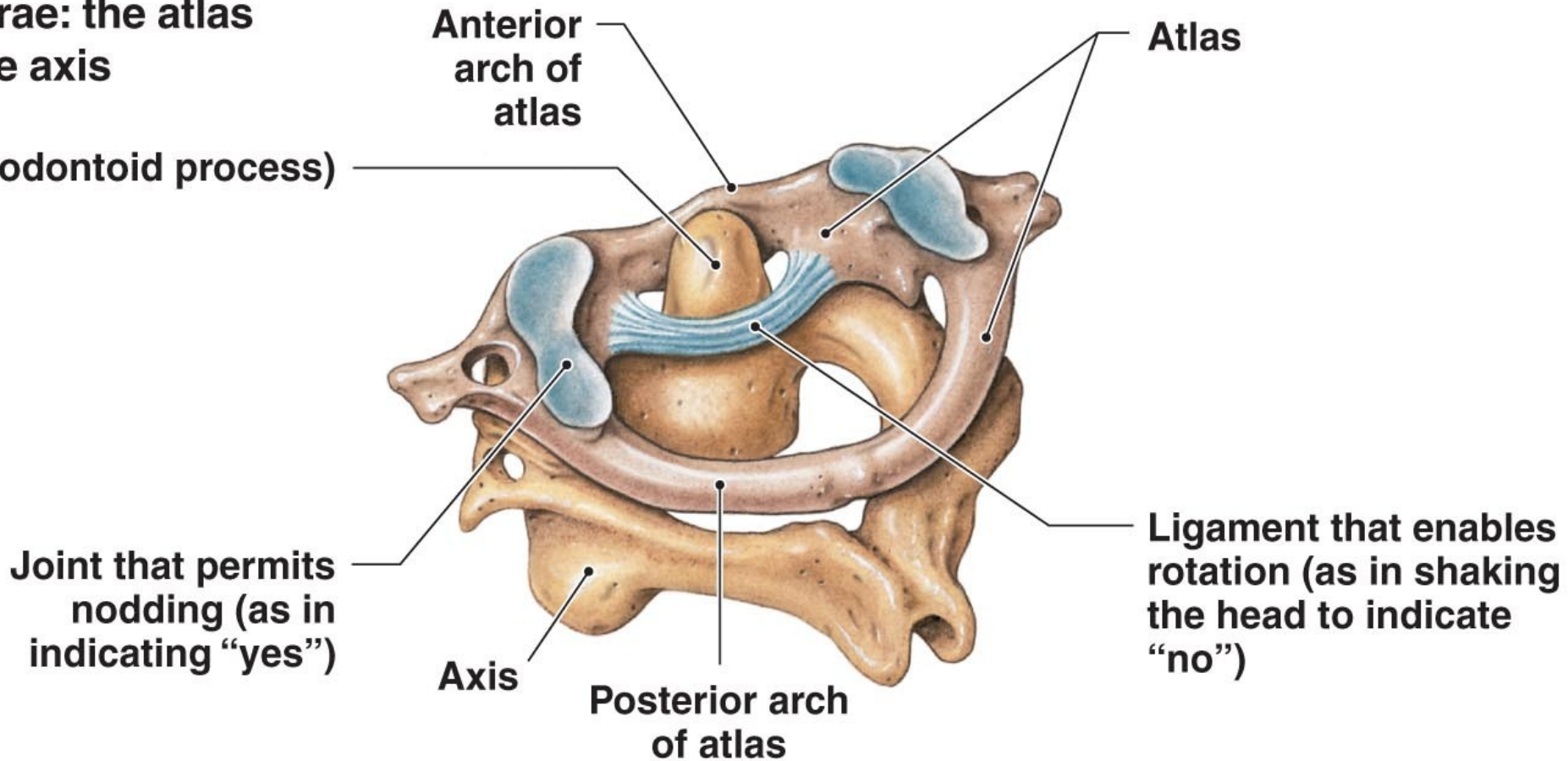
Páteř – Columna vertebrarum



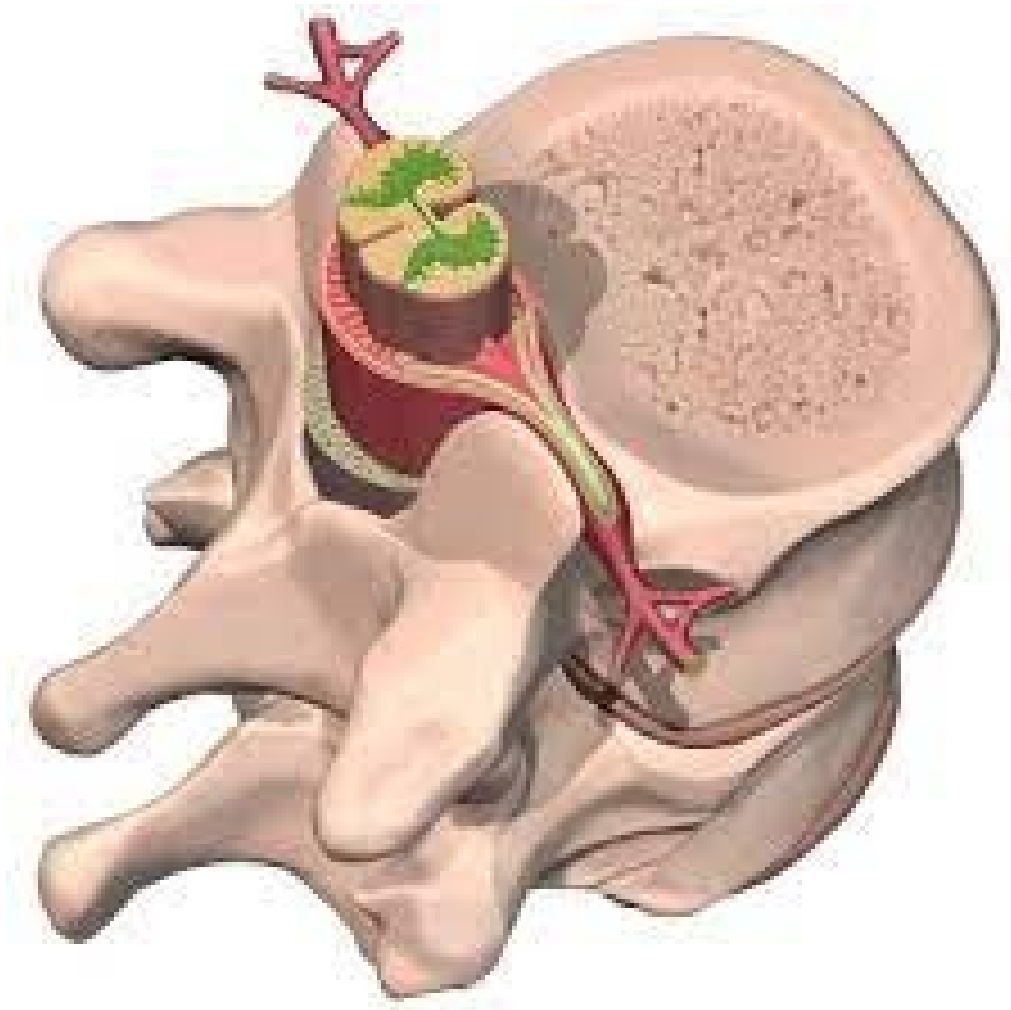
https://youtu.be/am_OPxAXGK4

The first two cervical vertebrae: the atlas and the axis

Dens (odontoid process)

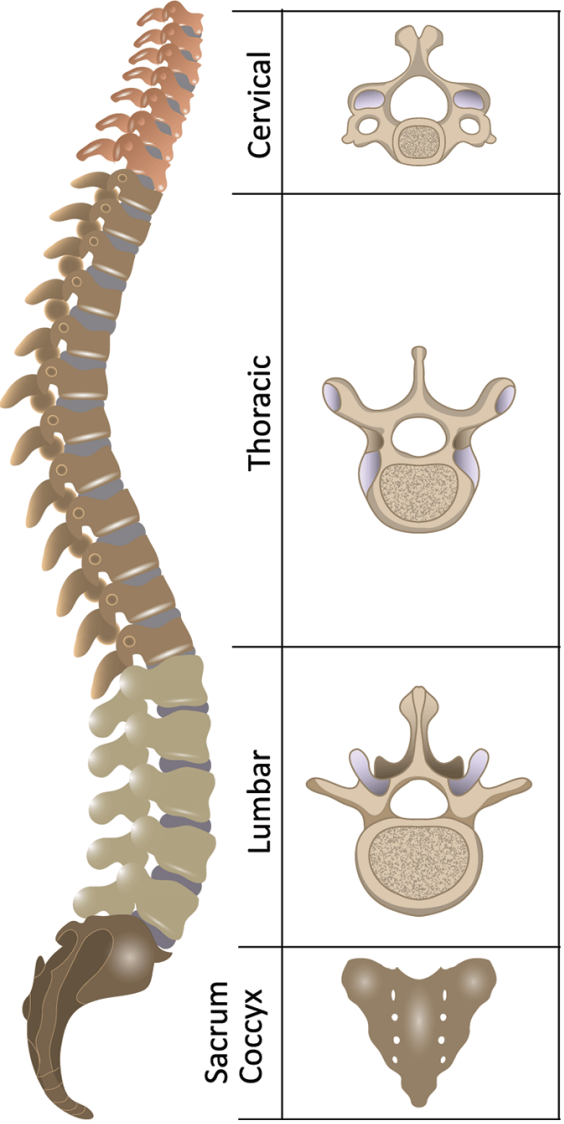


https://www.google.cz/search?q=outputs+nerves+from+vertebrae&tbm=isch&ved=2ahUKEwif_oXR1sz7AhXUXgIHHTCcb2UQ2cCegQlABAA&oeq=outputs+nerves+from+vertebrae&gs_lcp=CgNpbWcQAzoFCAAQgAQ6BAGAEEM6BgGAEACQhIoICAAQCBABHEB50tYzYgHFg6HVoAXAAeACACMBiAGSEpiBBBDguMT0YAQCgAQGqAQcnd3Mtd2l6LWltZ8ABAQ&scient=img&ei=z3WCY8XdtsNI-gPsliegAV&bih=255&biw=628#imgc=YcdxTPfBR3n5M



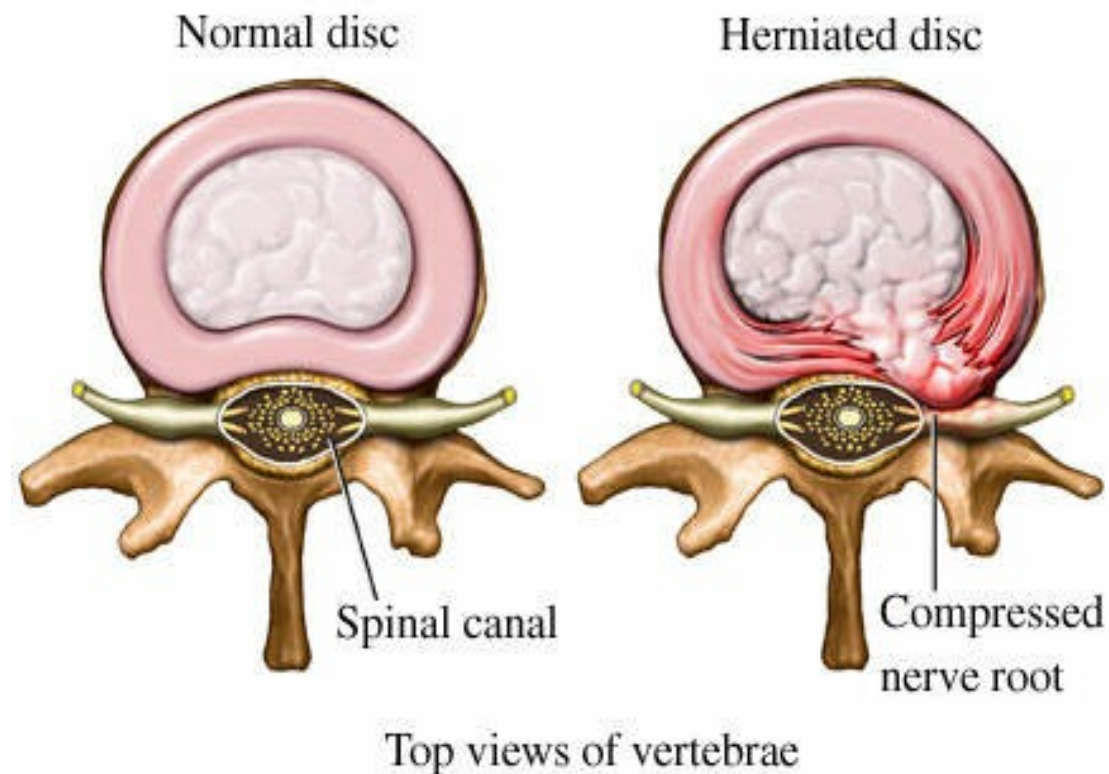
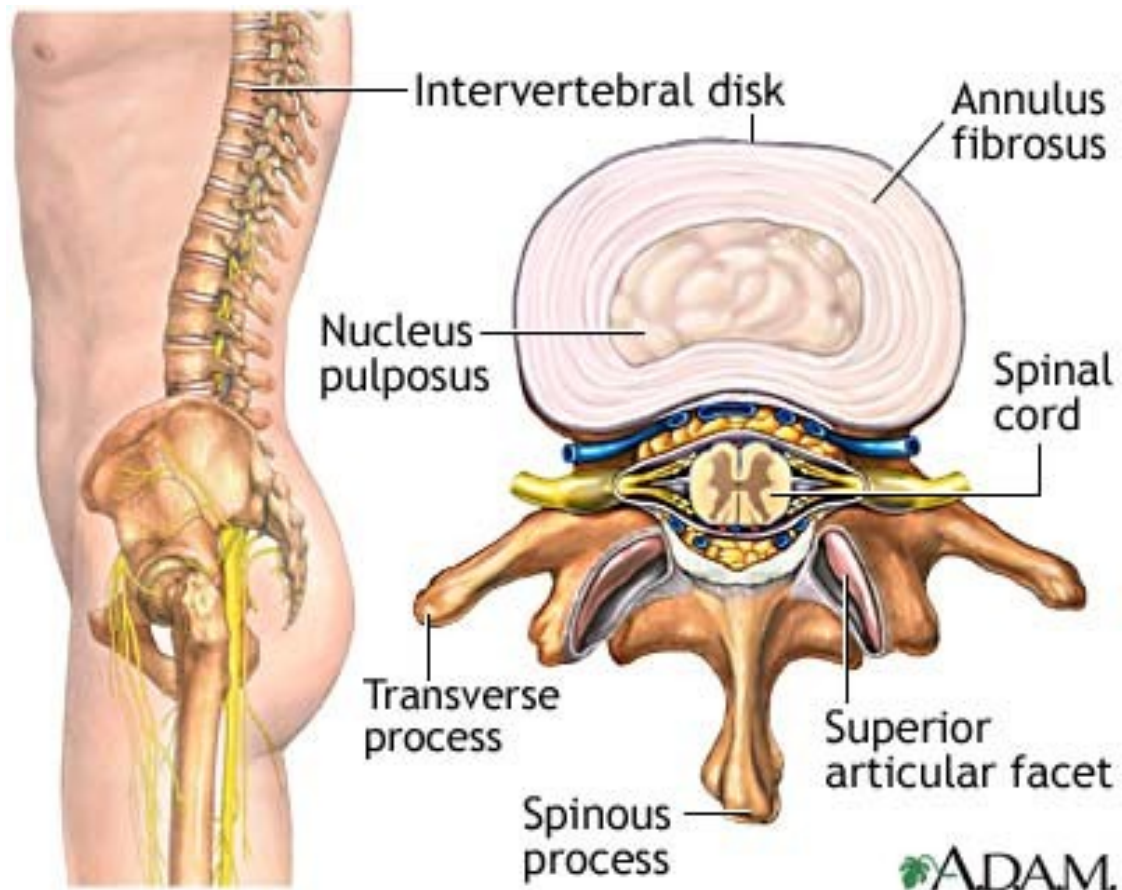
vertebra,

Obratel, stavba
vertebrae



https://www.google.cz/search?q=vertebrae&source=lmms&tbm=isch&sa=X&ved=2ahUKEwjT0lvQ1sz7AhVcSKQKHb9aAa4Q_AUoAXoECAIQAw&biw=628&bih=255&dpr=1.5#imgc=10ycP55HTTWIAM

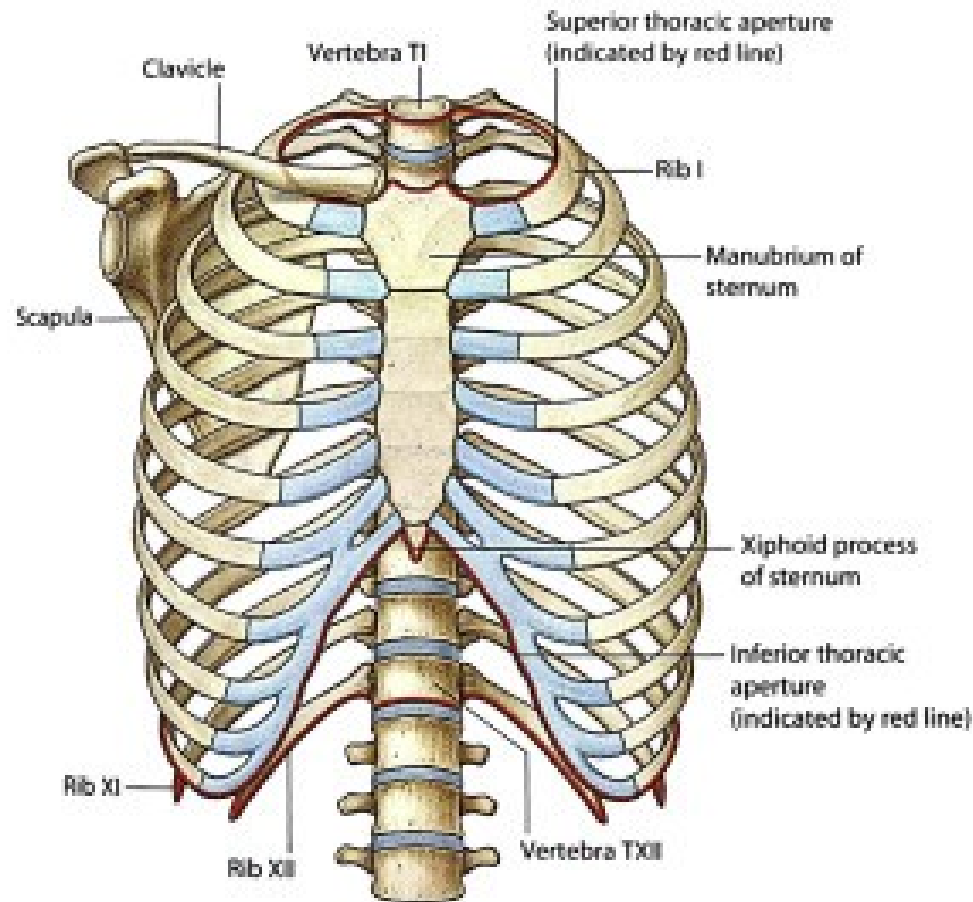
Meziobratlové ploténky, discus intervertebralis



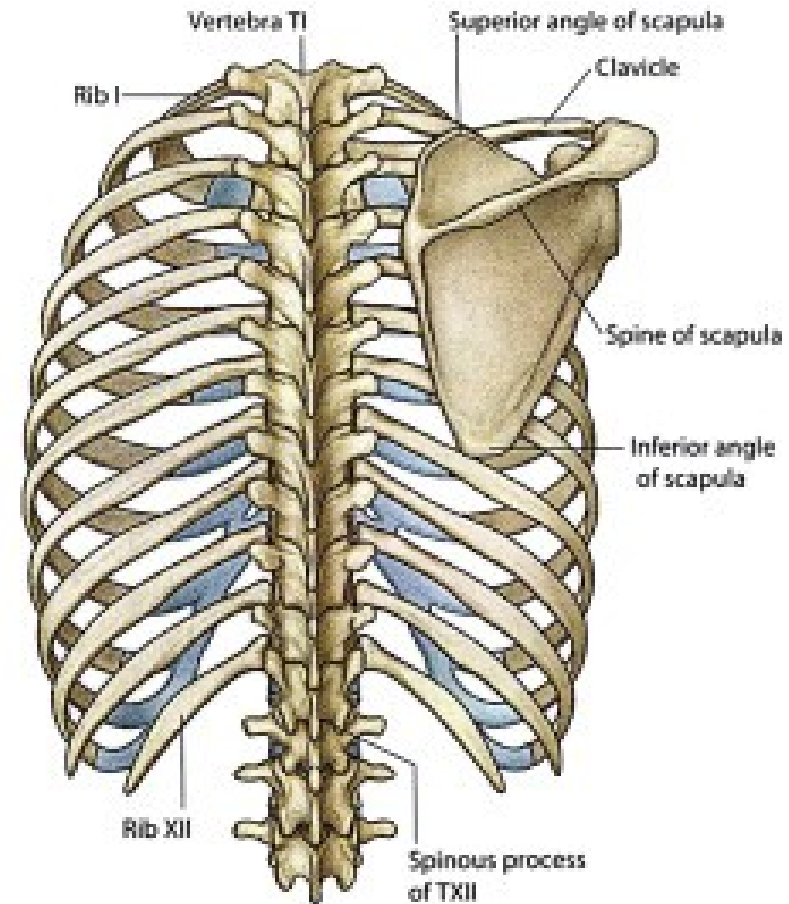
[https://www.google.cz/search?q=discus+intervertebralis&tbm=isch&ved=2ahUKEwjz69O118z7AhX-xglHHDwC5QAQ2-cCegQJABAA&oq=discus+inter&gs_lcp=CgNpbWcQARgAMgUABCBADIECAAQHjIECAAQHjIECAAQHjIECAAQHjIECAAQBR AeMgYIABAEb4yBAGAEb46CAGAEIAEELED0gQIABBDULQJWLkhYNYvaABwAHgAgAGqAogBgwySAQU0LjguMZgBAKABA aoBC2d3cy13aXotaW1nwAEb&scient=img&ei=Q3aCY7O-NP6Ni-gP0OGtgAk&bih=255&biw=628#imgrc=qNgHlkOmRuirAM](https://www.google.cz/search?q=discus+intervertebralis&tbm=isch&ved=2ahUKEwjz69O118z7AhX-xglHHDwC5QAQ2-cCegQJABAA&oq=discus+inter&gs_lcp=CgNpbWcQARgAMgUABCBADIECAAQHjIECAAQHjIECAAQHjIECAAQHjIECAAQHjIECAAQBR AeMgYIABAEb4yBAGAEb46CAGAEIAEELED0gQIABBDULQJWLkhYNYvaABwAHgAgAGqAogBgwySAQU0LjguMZgBAKABA aoBC2d3cy13aXotaW1nwAEb&scient=img&ei=Q3aCY7O-NP6Ni-gP0OGtgAk&bih=255&biw=628#imgrc=qNgHlkOmRuirAM)

https://www.google.cz/search?q=prolaps+discus+intervertebralis&tbm=isch&ved=2ahUKWjkrMGE2Mz7AhWRNewKHTR9D9gQ2-cCegQIABAA&eq=prolaps+discus+intervertebralis&gs_lcp=CgNpbWcQAzoFCAAQgAQ6BggAEAcQHjoECAAQHIDLLiaQGcQrRGgACAB4AIA80QGIAYgIkgeFNC40LjGYAQcGAQGgAQtnD3Mtd2l6LWtZ8ABAQ&scient=img&ei=R3ceCY6TtJHrsAe0-r3ADQg&bih=255&biw=628&imgsrc=jkI645pWg6sGdM

Hrudník, Thorax



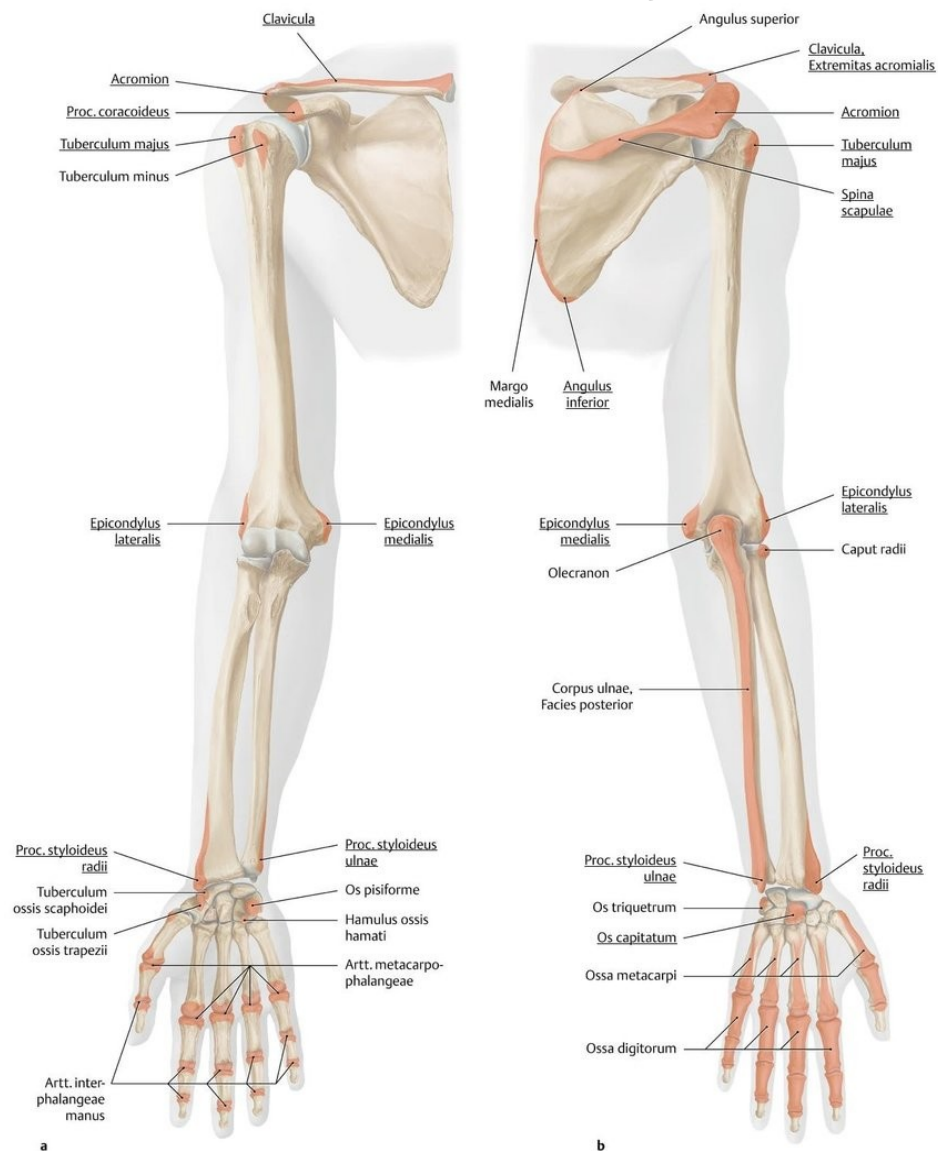
**Bony framework of thorax
(anterior view)**



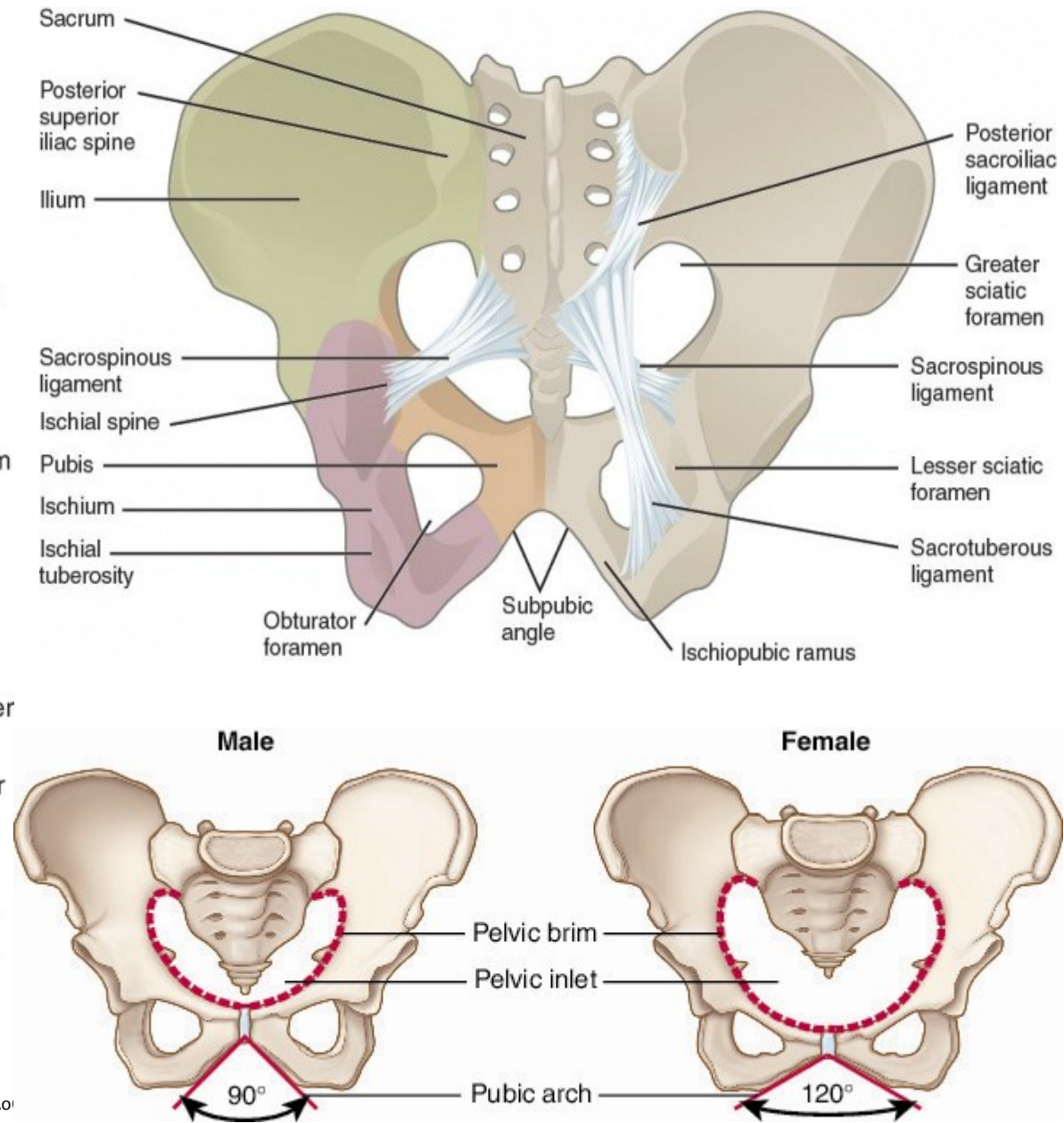
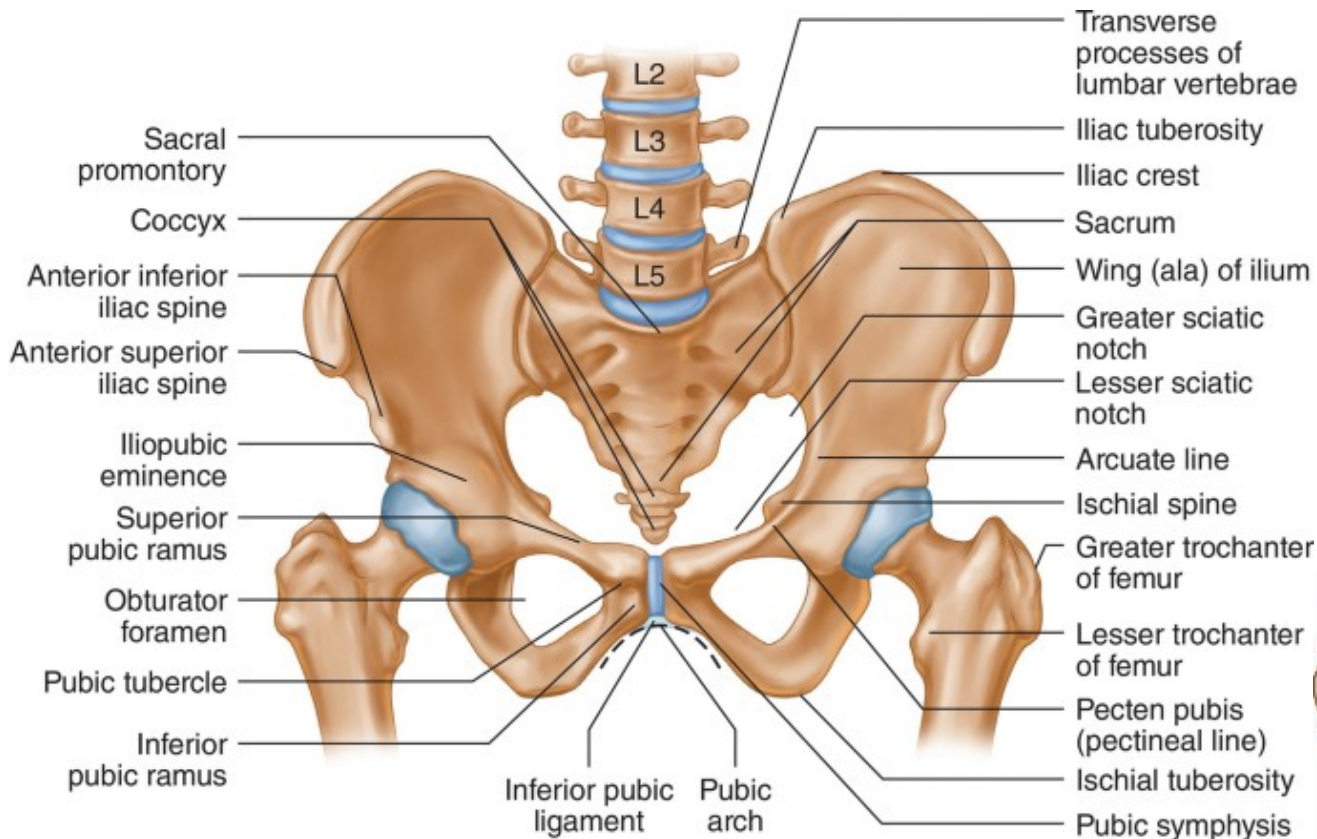
**Bony framework of thorax
(posterior view)**

Pletenec horní končetiny

<https://youtu.be/D3GVKjeY1FM>

[illegible]

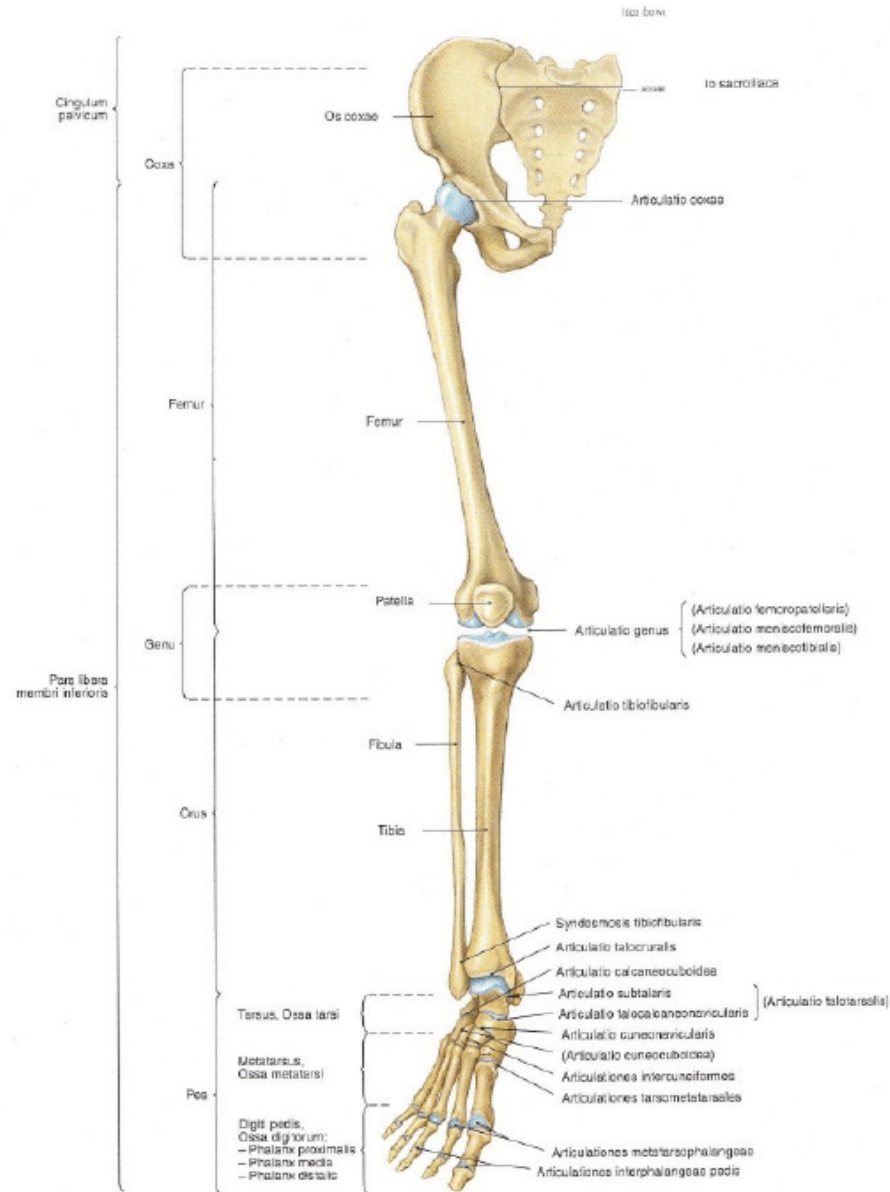
Pánev - pelvis



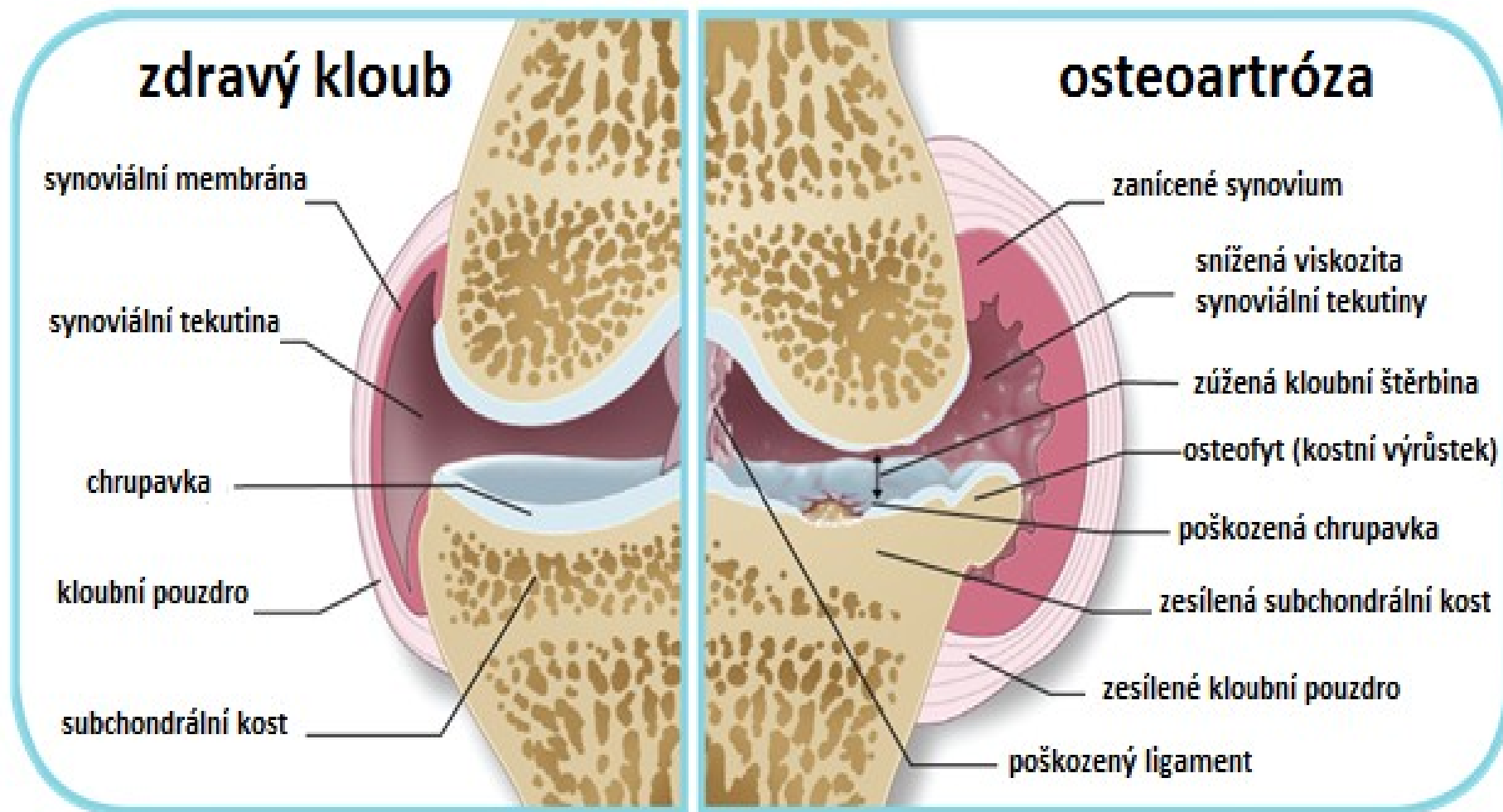
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<https://nursing.unboundmedicine.com/nursingcentral/view/Tabers-Dictionary/764020/all/pelvis>

Pletenec dolní končetiny

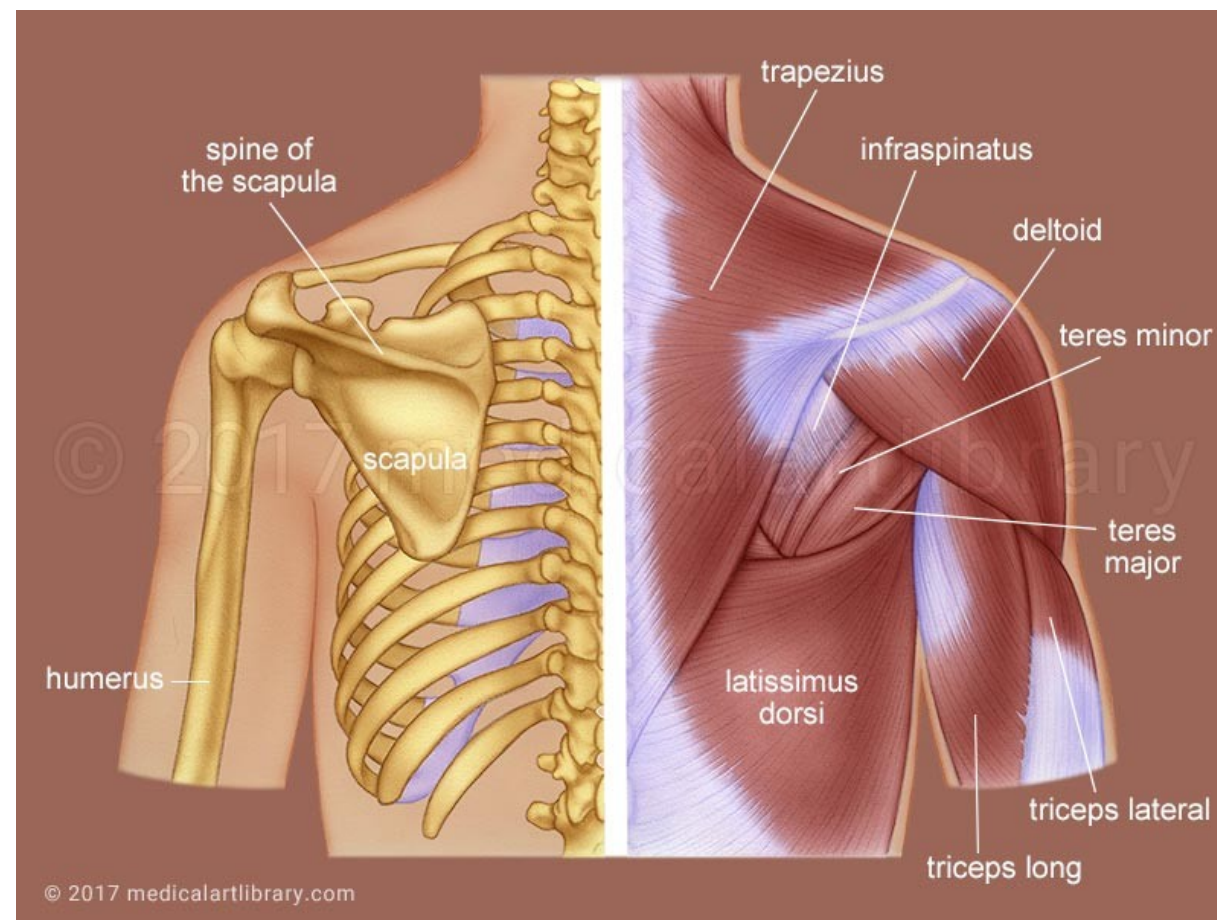


Stavba kloubu

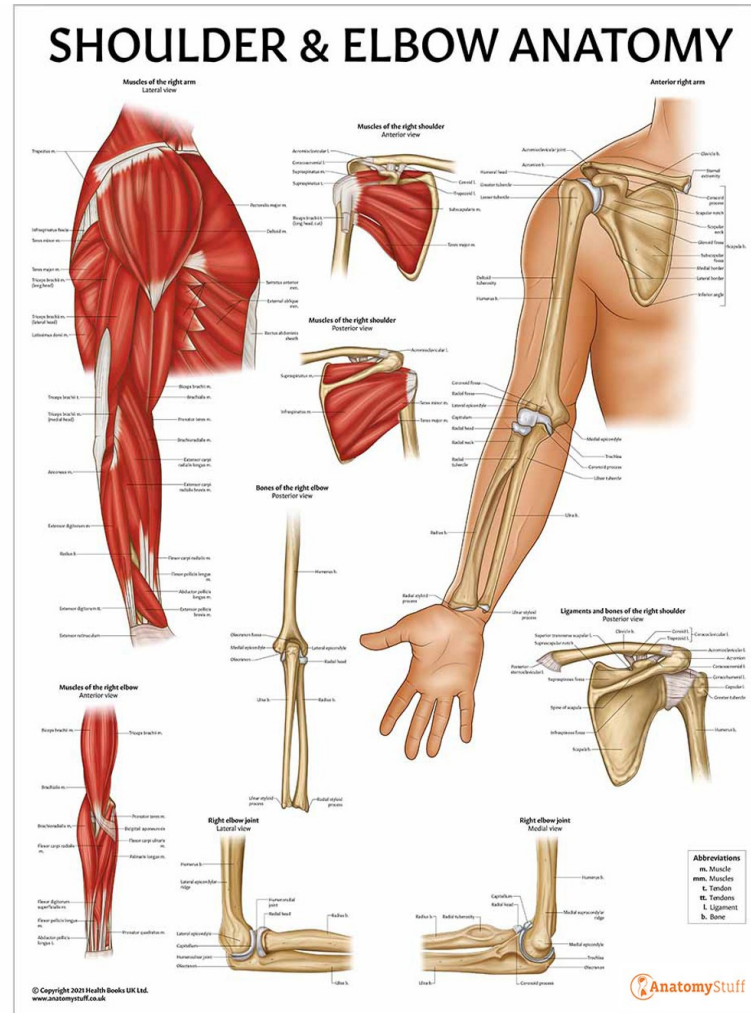


Ramenní kloub

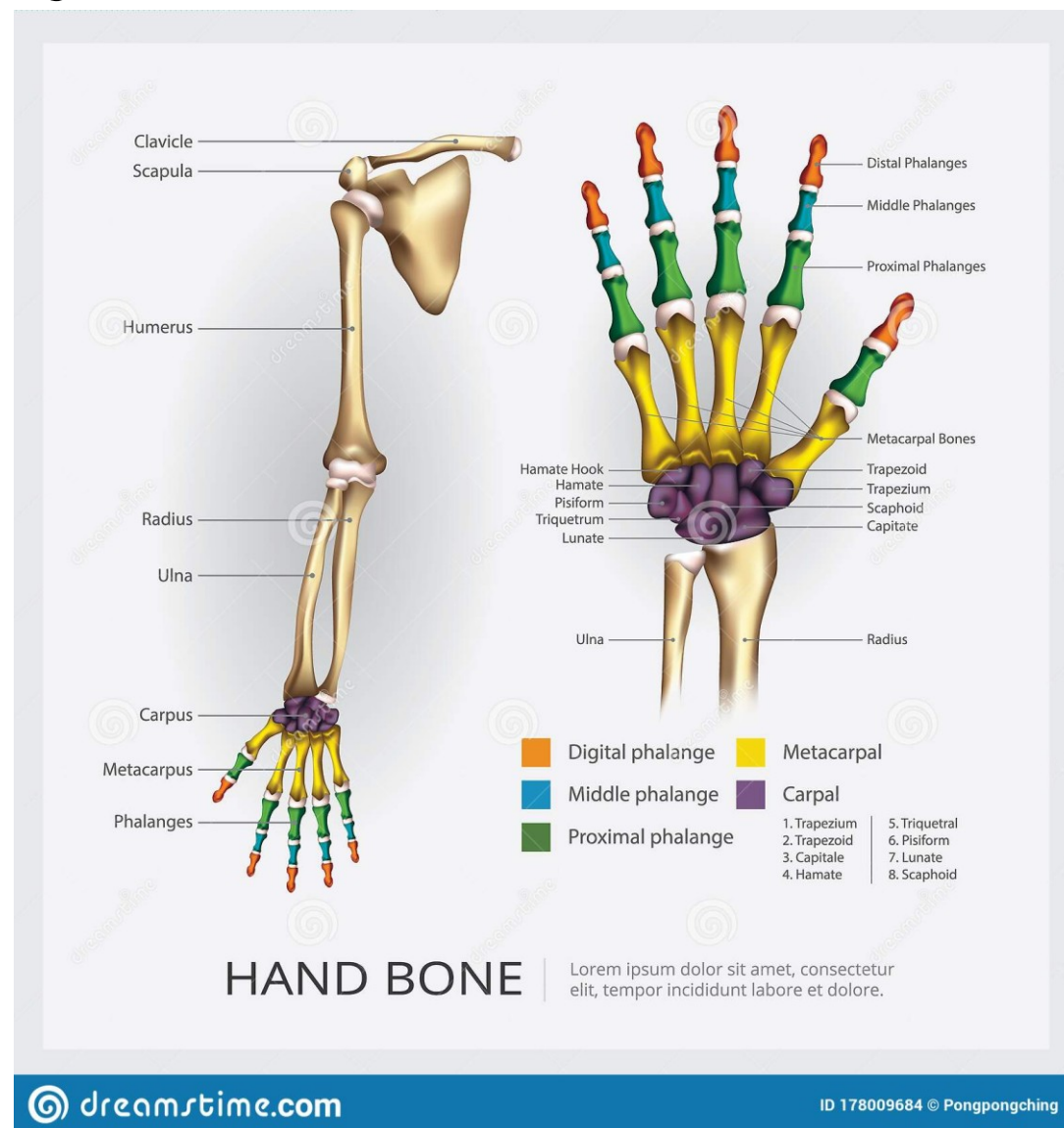
- <https://www.youtube.com/watch?v=D3GVKjeY1FM>



Loketní kloub – articulatio cubiti



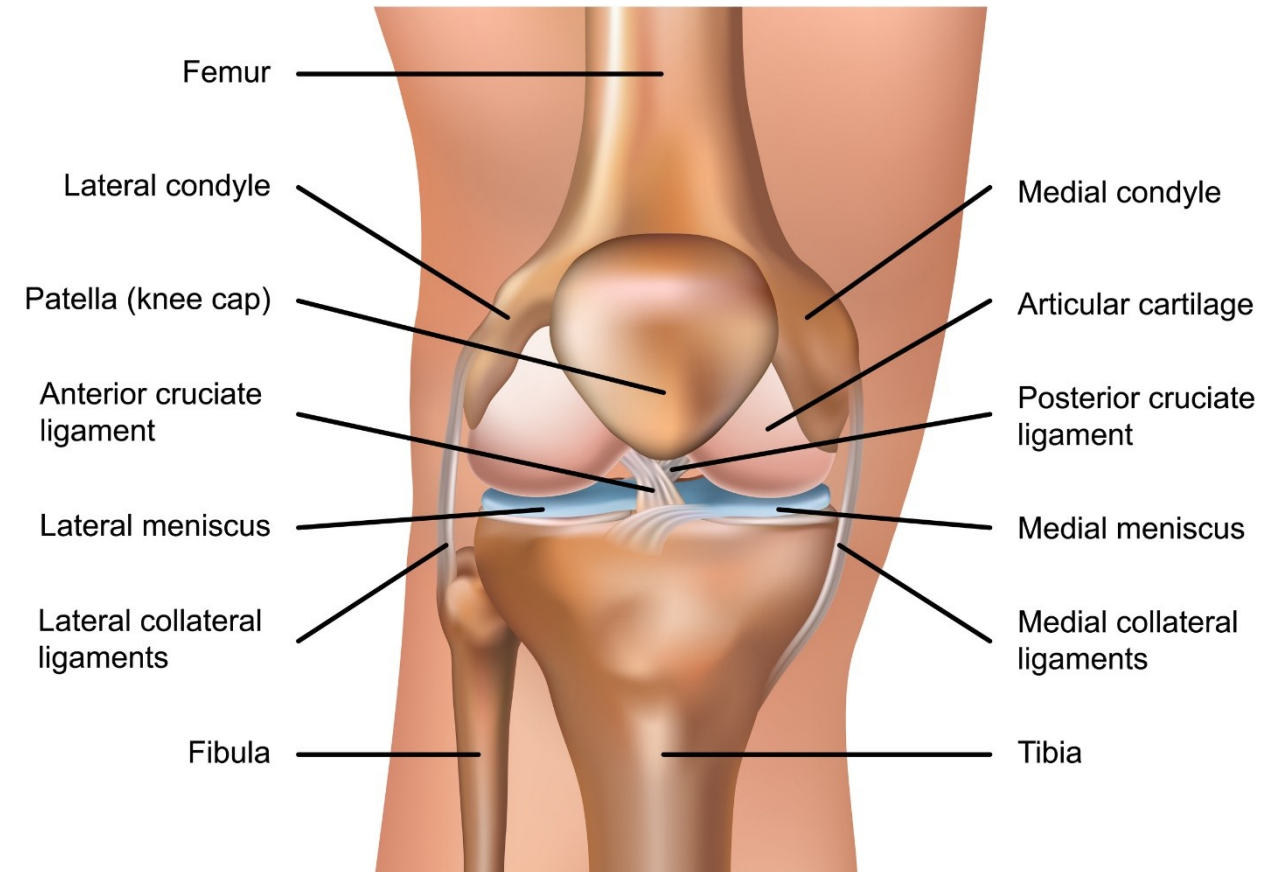
Klouby ruky – articulatio manus



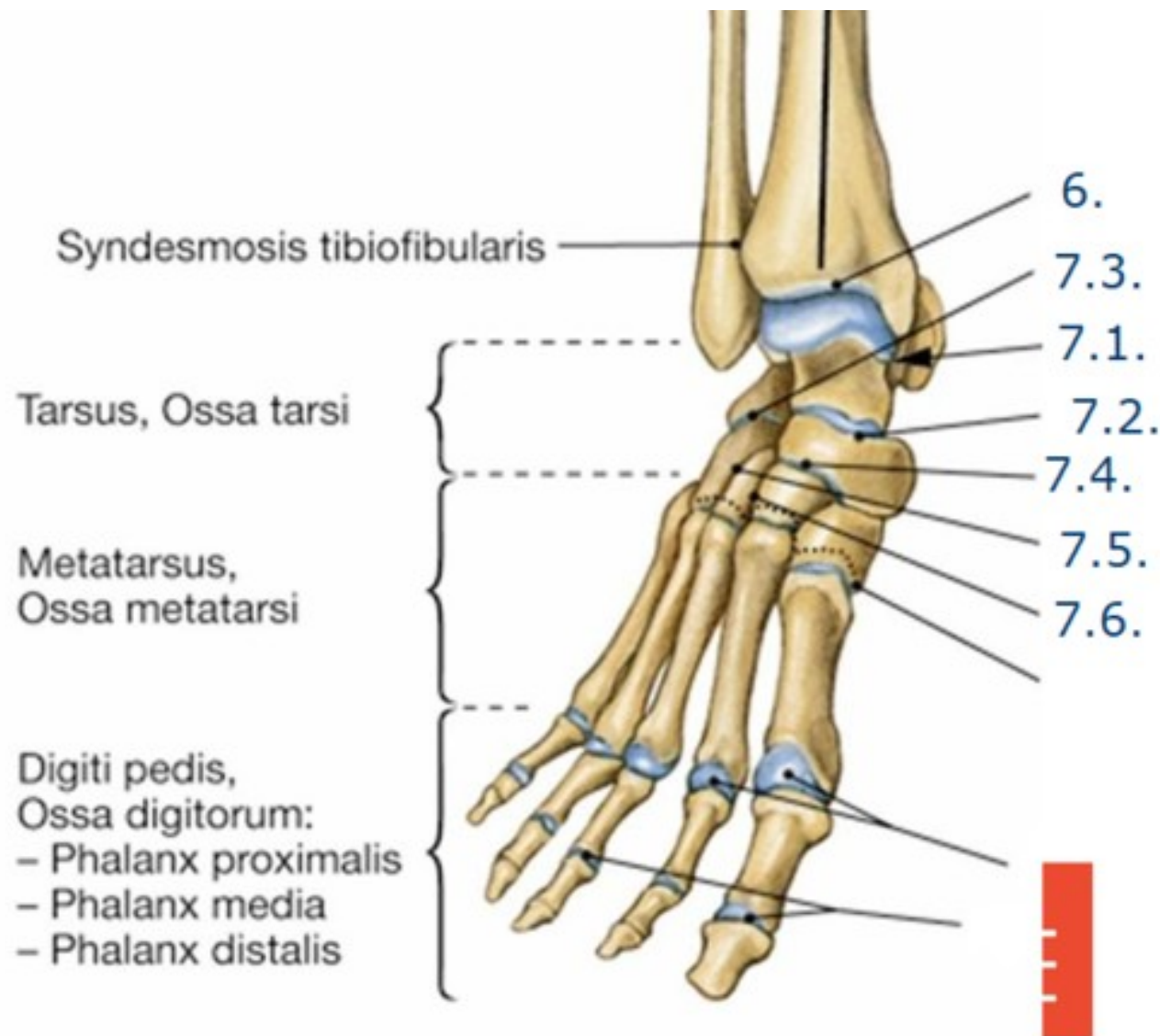
<https://www.dreamstime.com/arm-hand-bone-vector-illustration-arm-hand-bone-image178009684>

Kolenní kloub

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

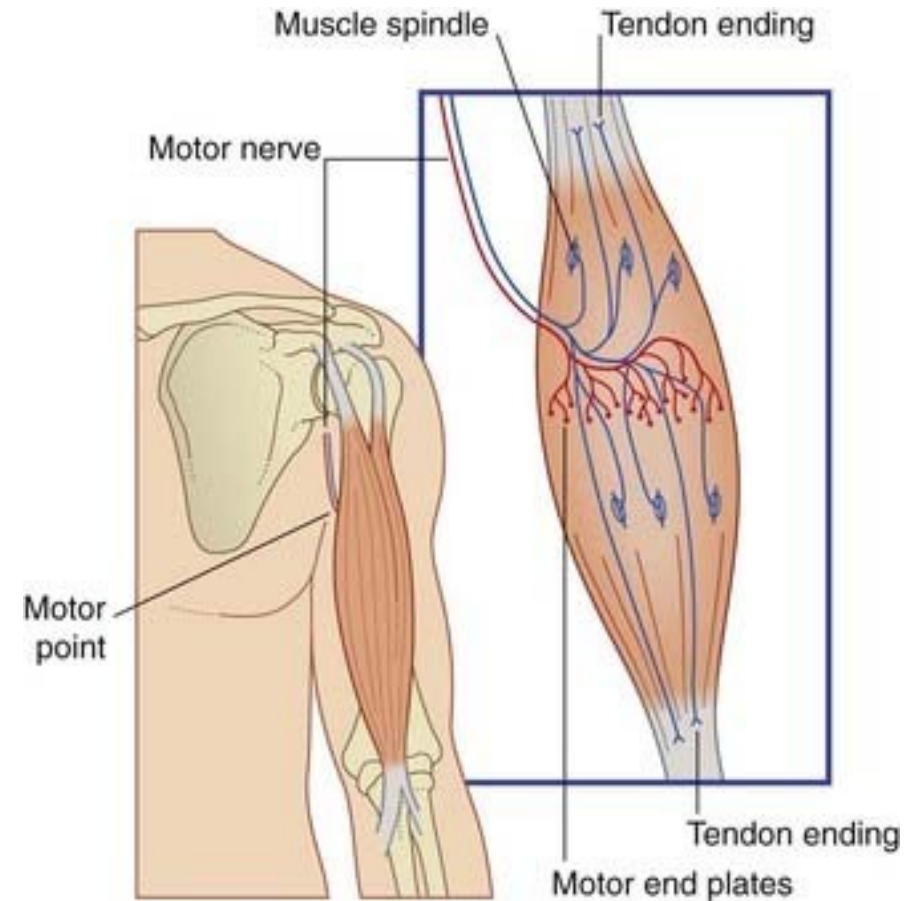
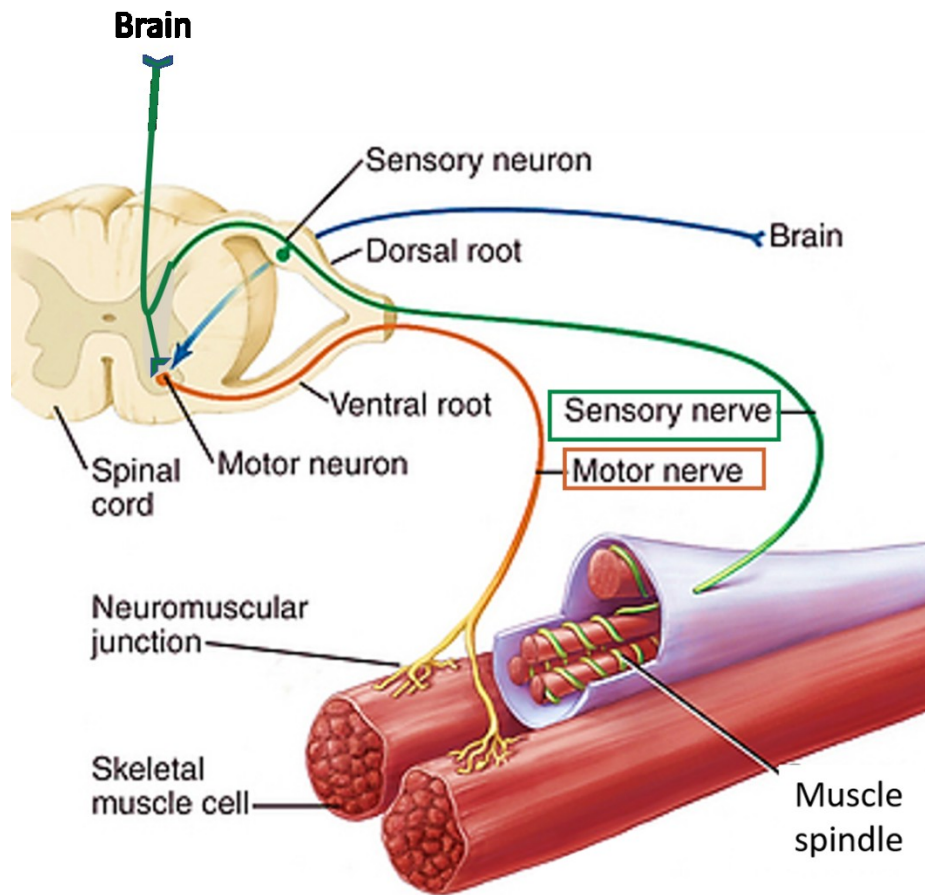


Kloub hlezenní *articulatio talocruralis*

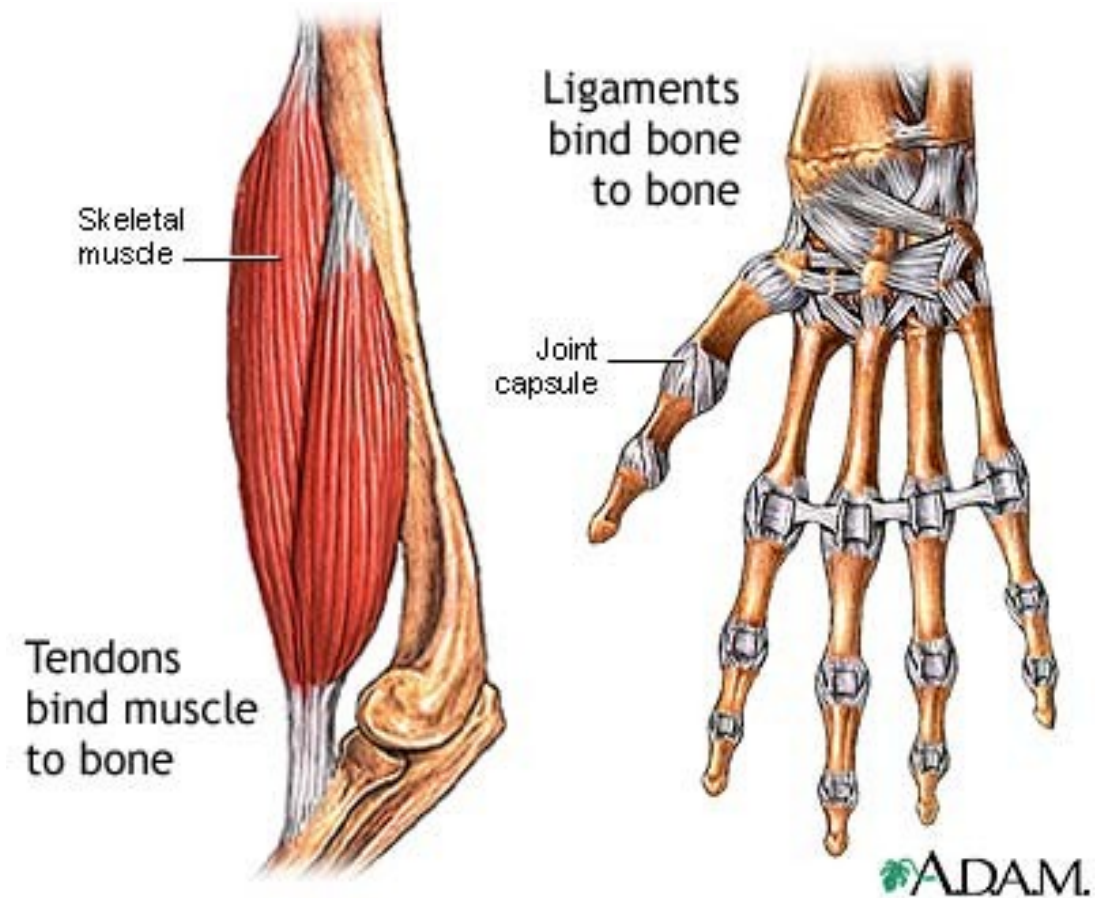
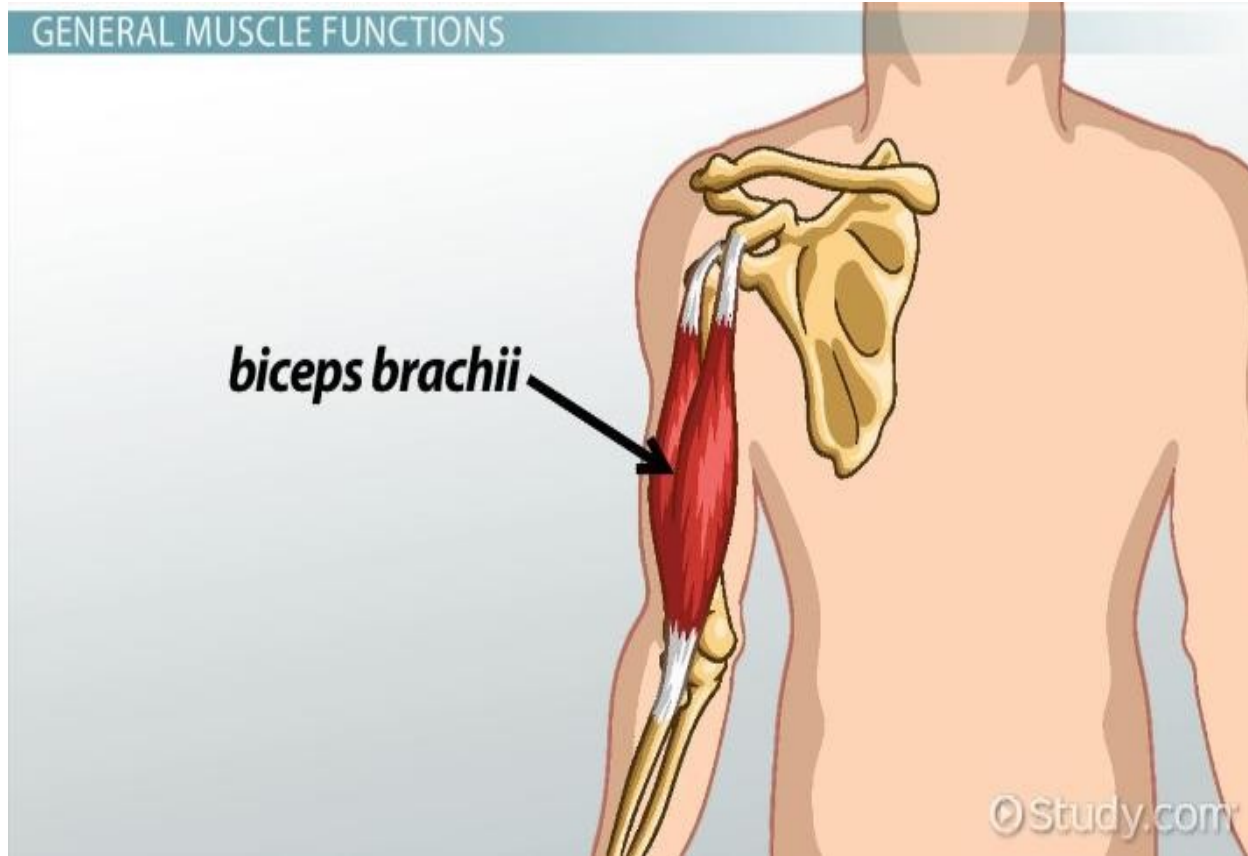


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Inervace svalů



Šlachy - tendinum, vazy - ligamenta



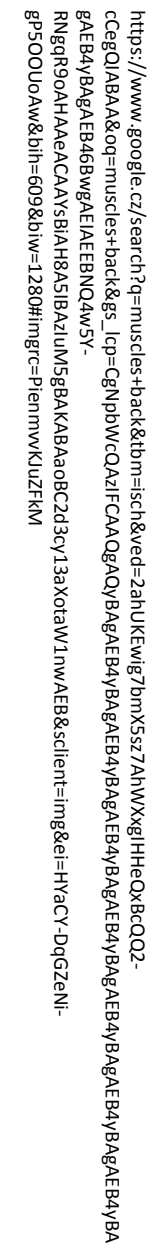
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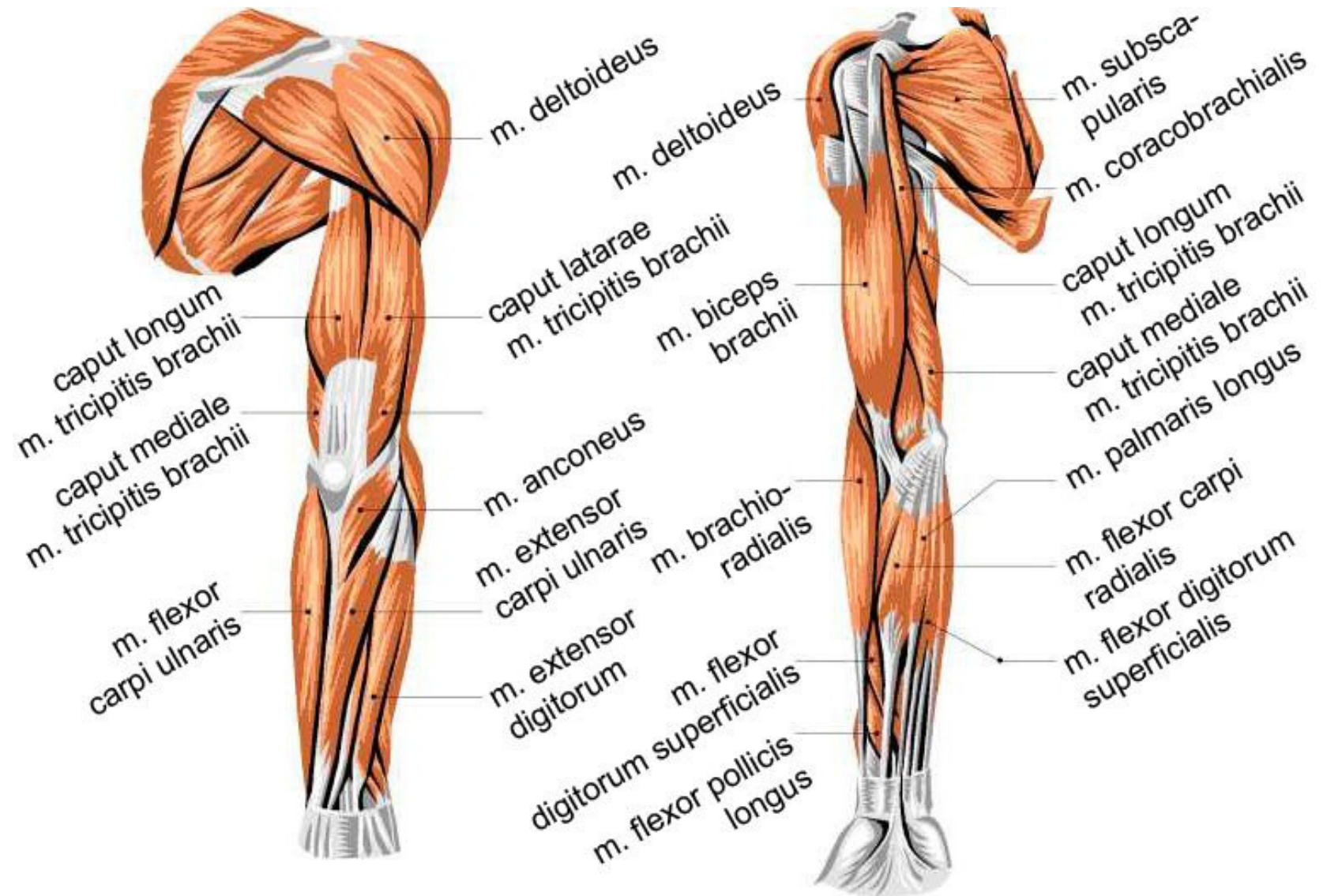
[illegible]

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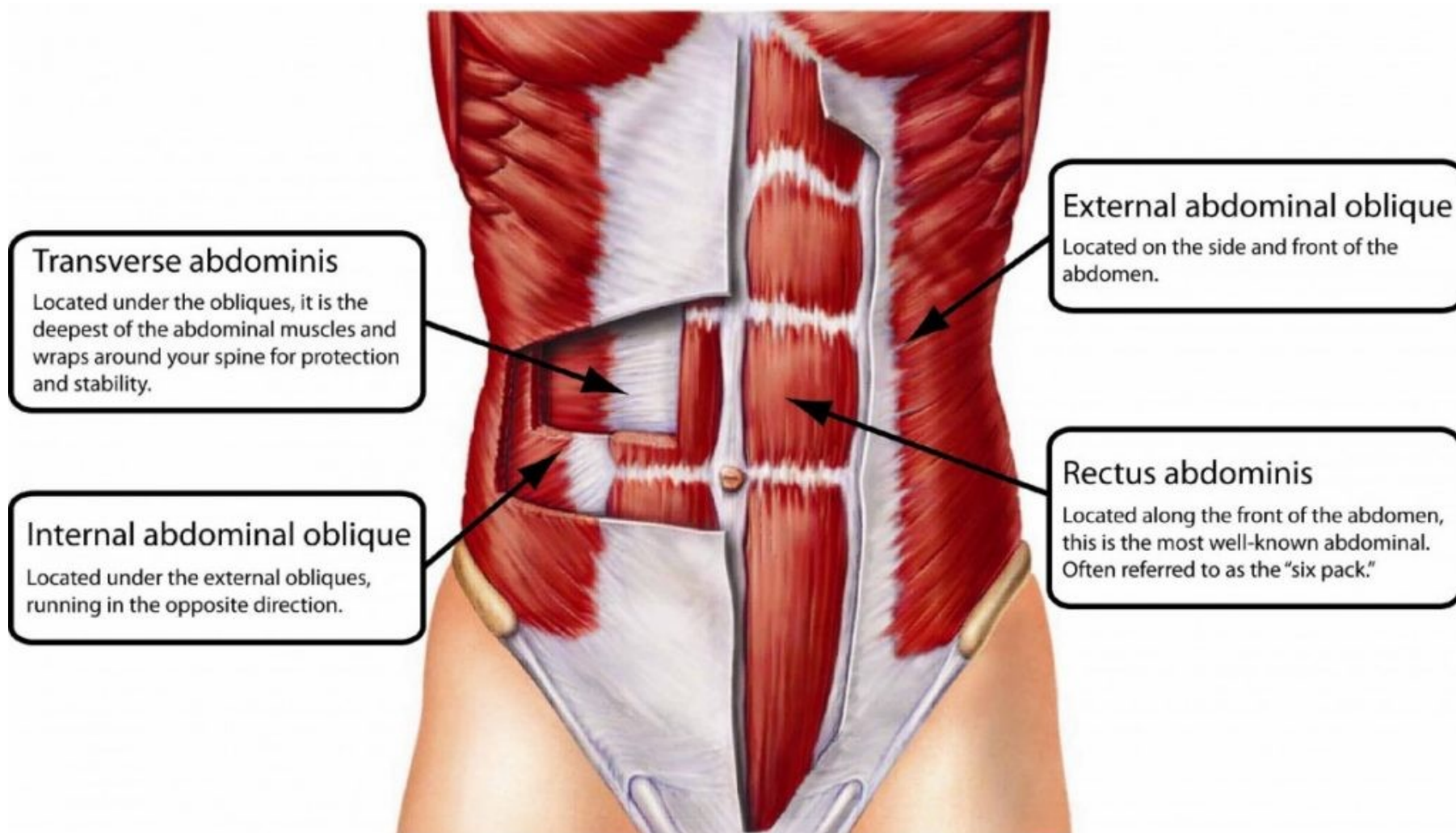
LOWER BACK MUSCLES



Svaly horní končetiny

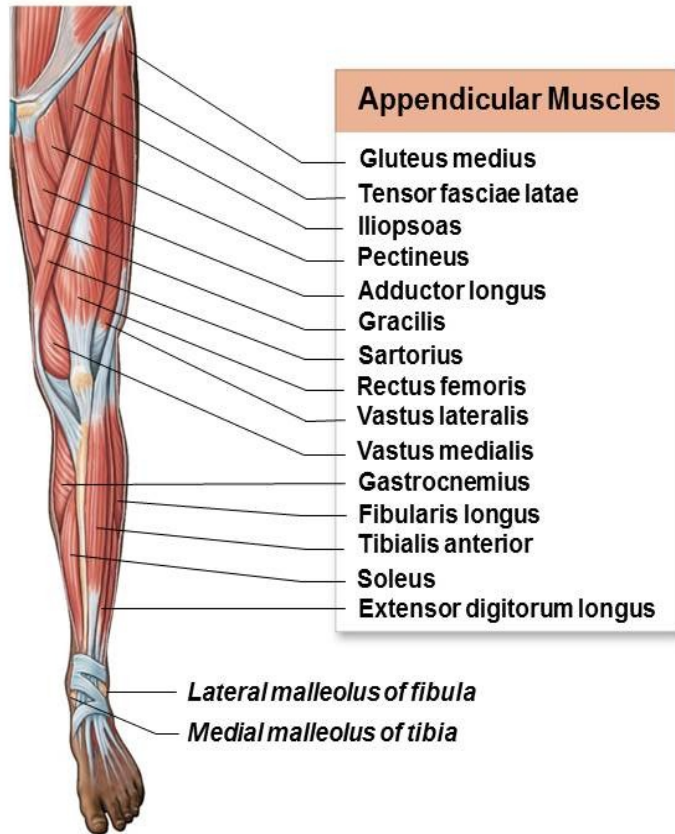


Svaly břicha



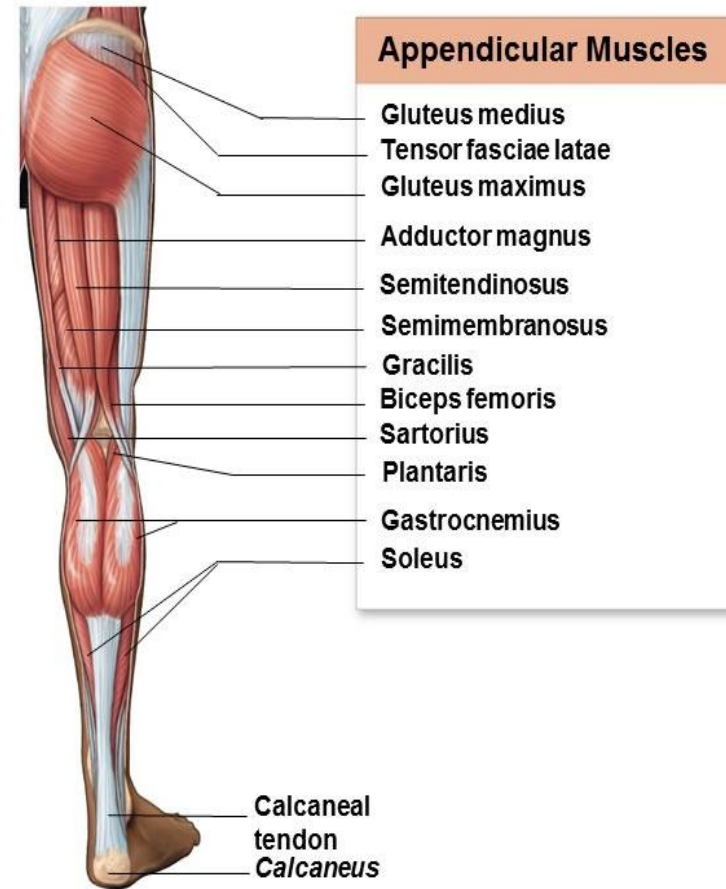
Svaly dolní končetiny

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)



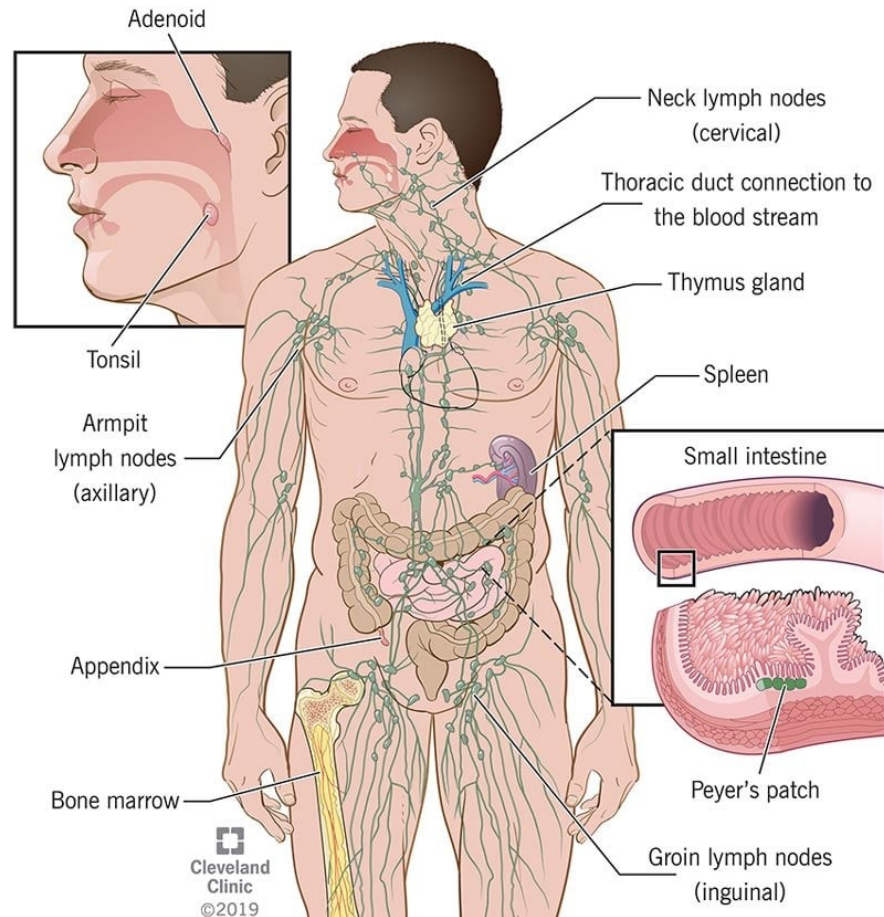
b A posterior view
ATLAS: Plates 1b; 40a,b

Krev – tekutá tkáň

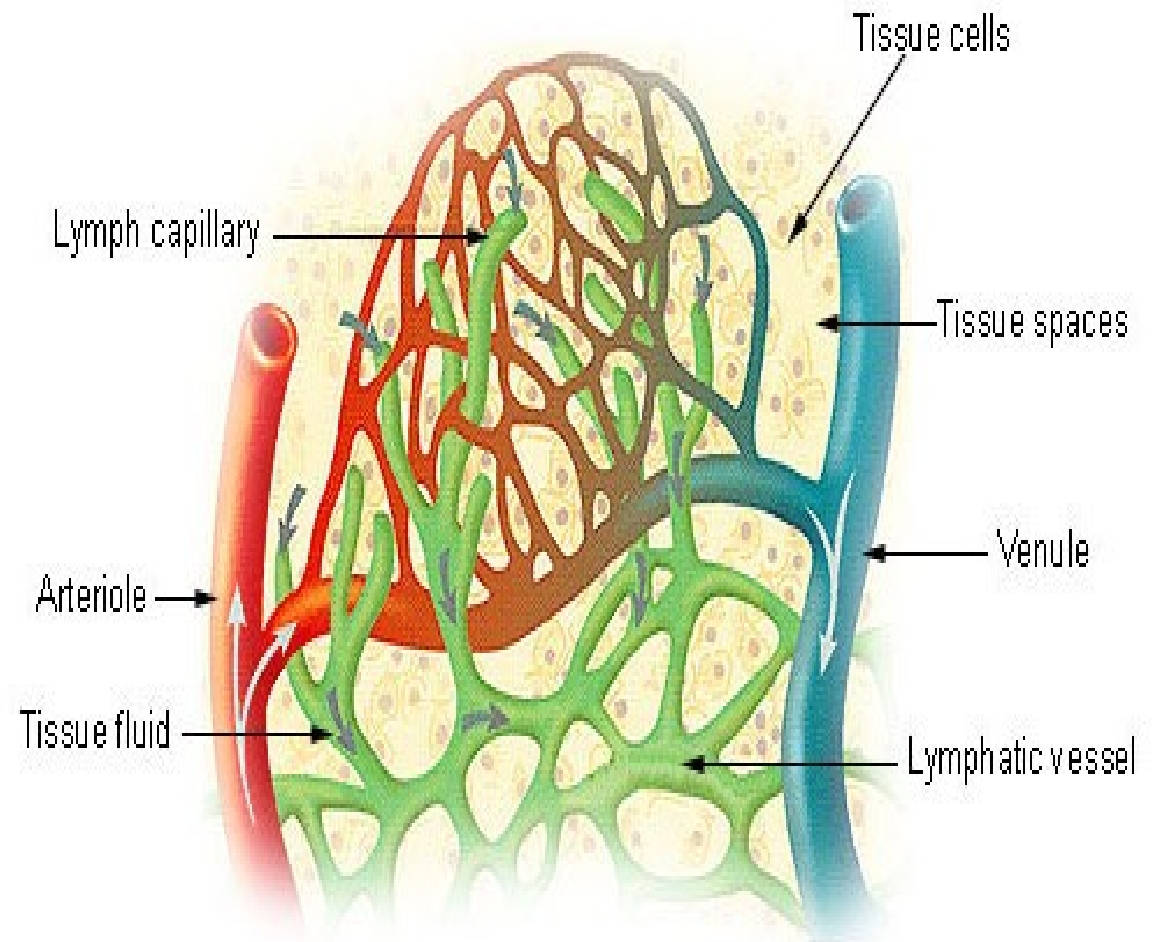
<https://www.youtube.com/watch?v=PK5YbDZODYk>
Hematopoeza

- <https://www.youtube.com/watch?v=0deCbmh7PHs>
- <https://www.youtube.com/watch?v=IXfEK8G8CUI>
- 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

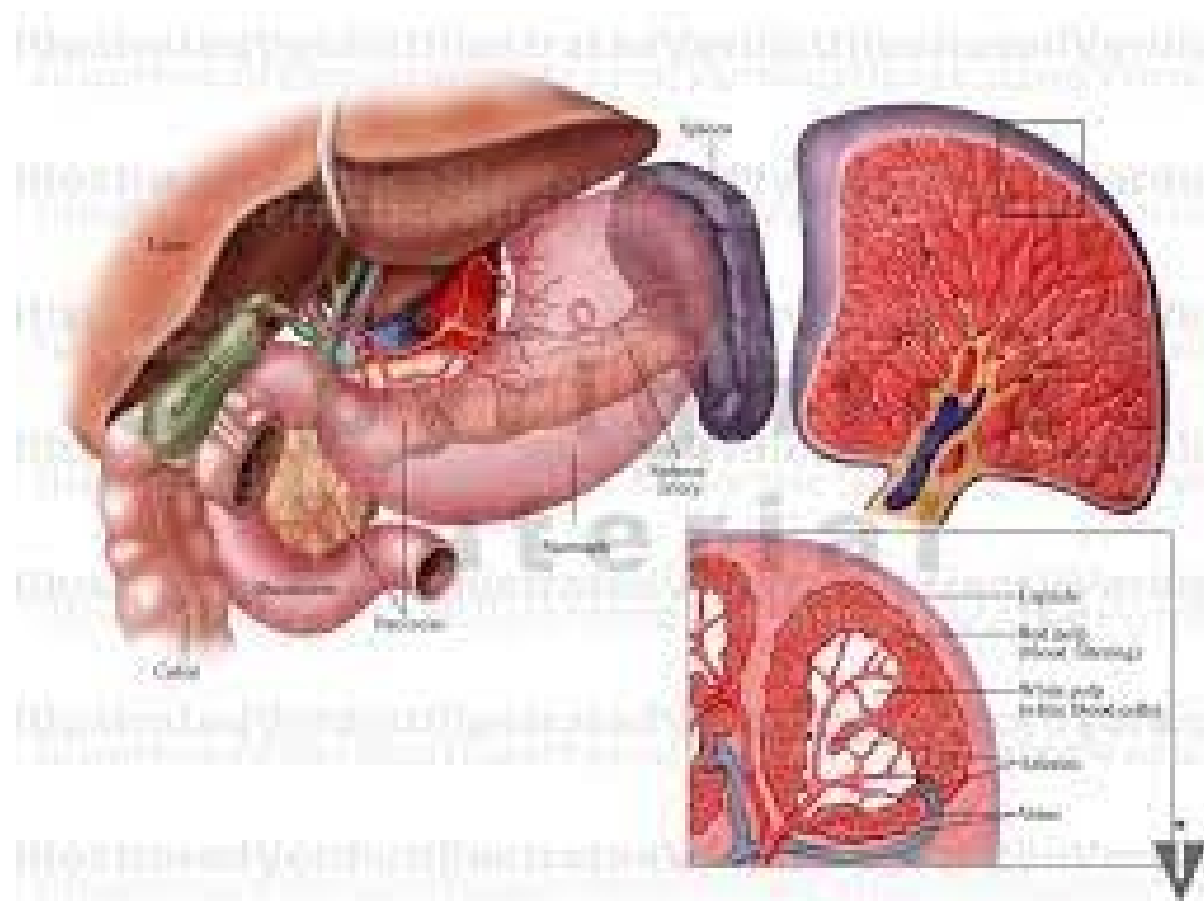
Lymfatický systém



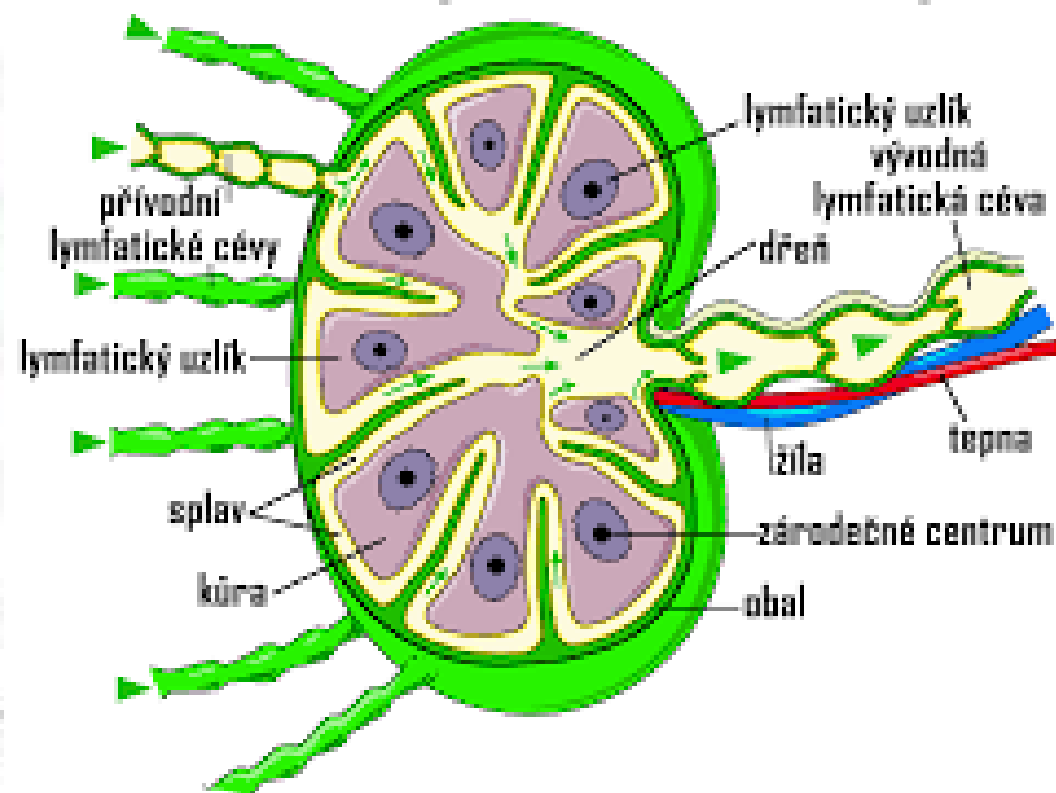
Lymph Capillaries in the Tissue Spaces



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

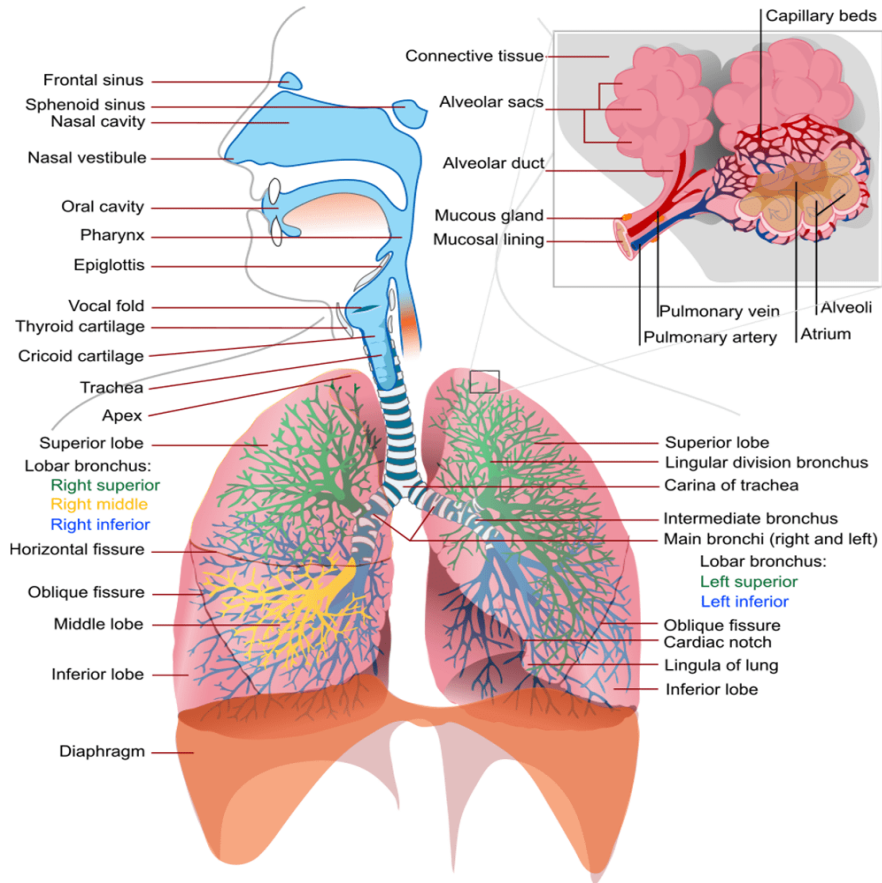
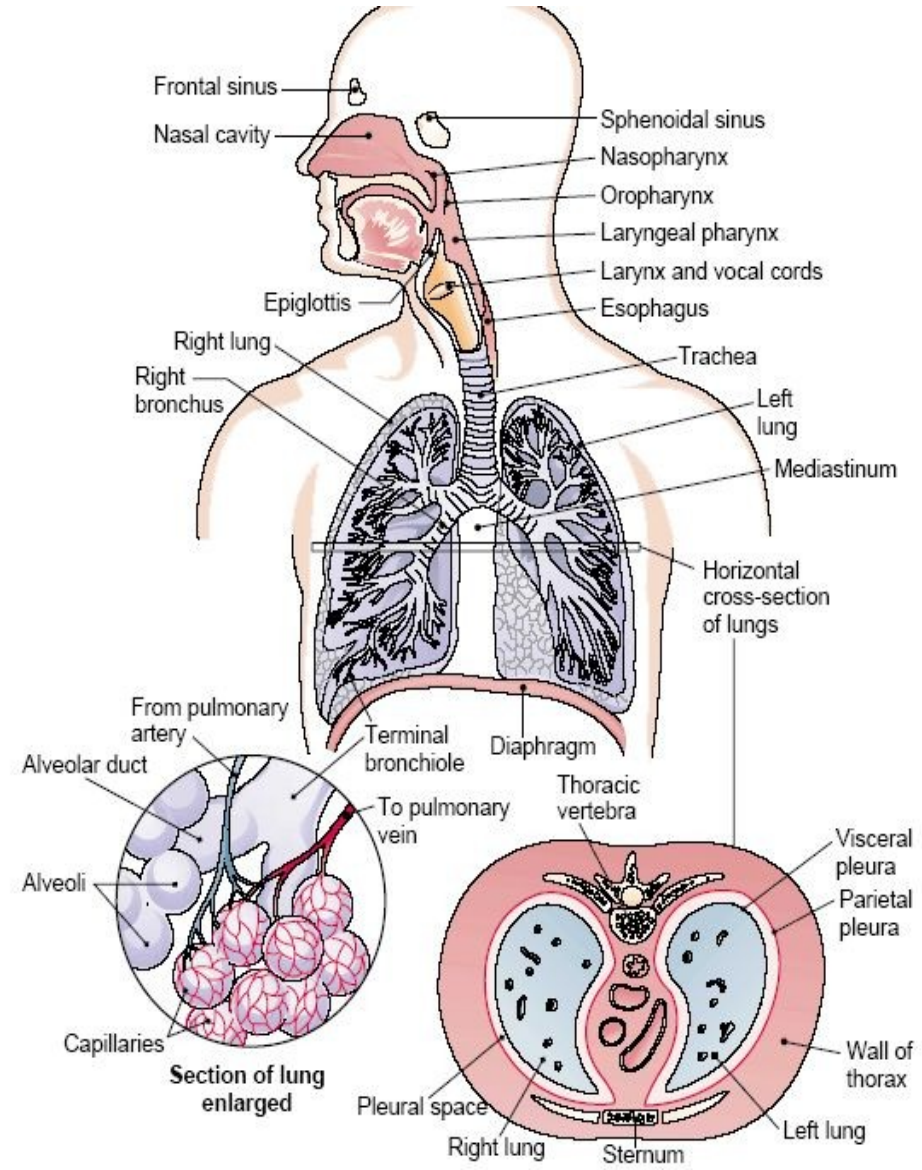


image via: wikipedia.com

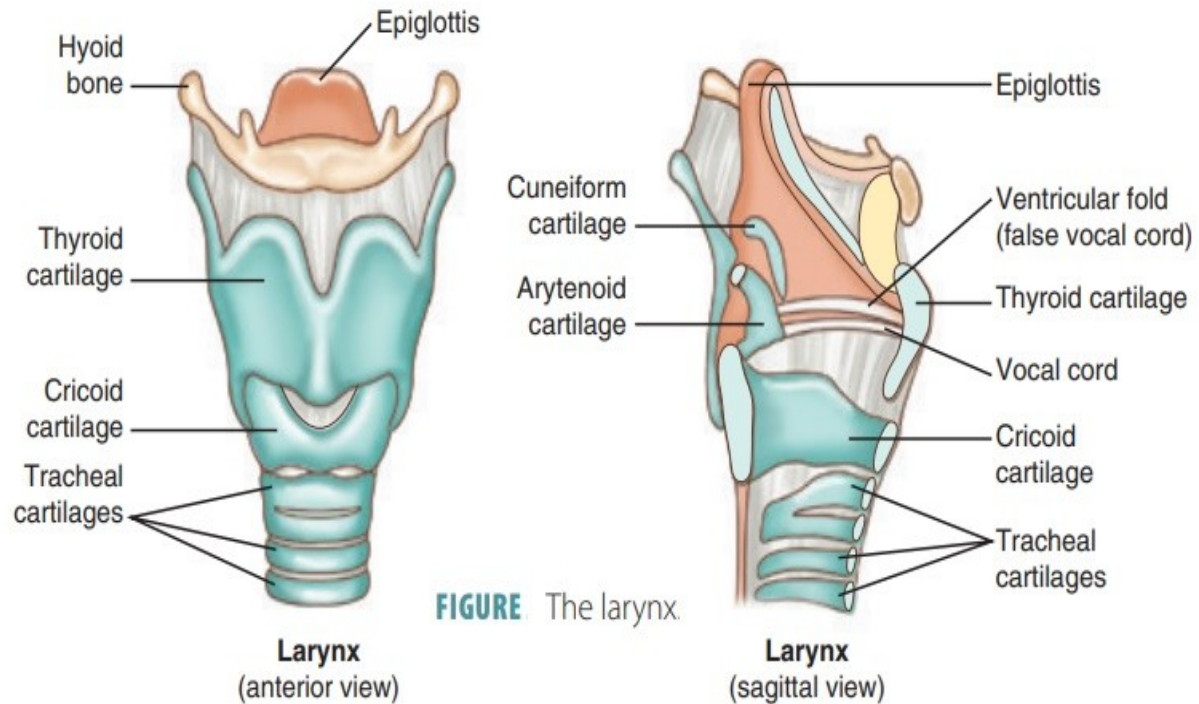


<https://nurseslabs.com/respiratory-system/>

[illegible]

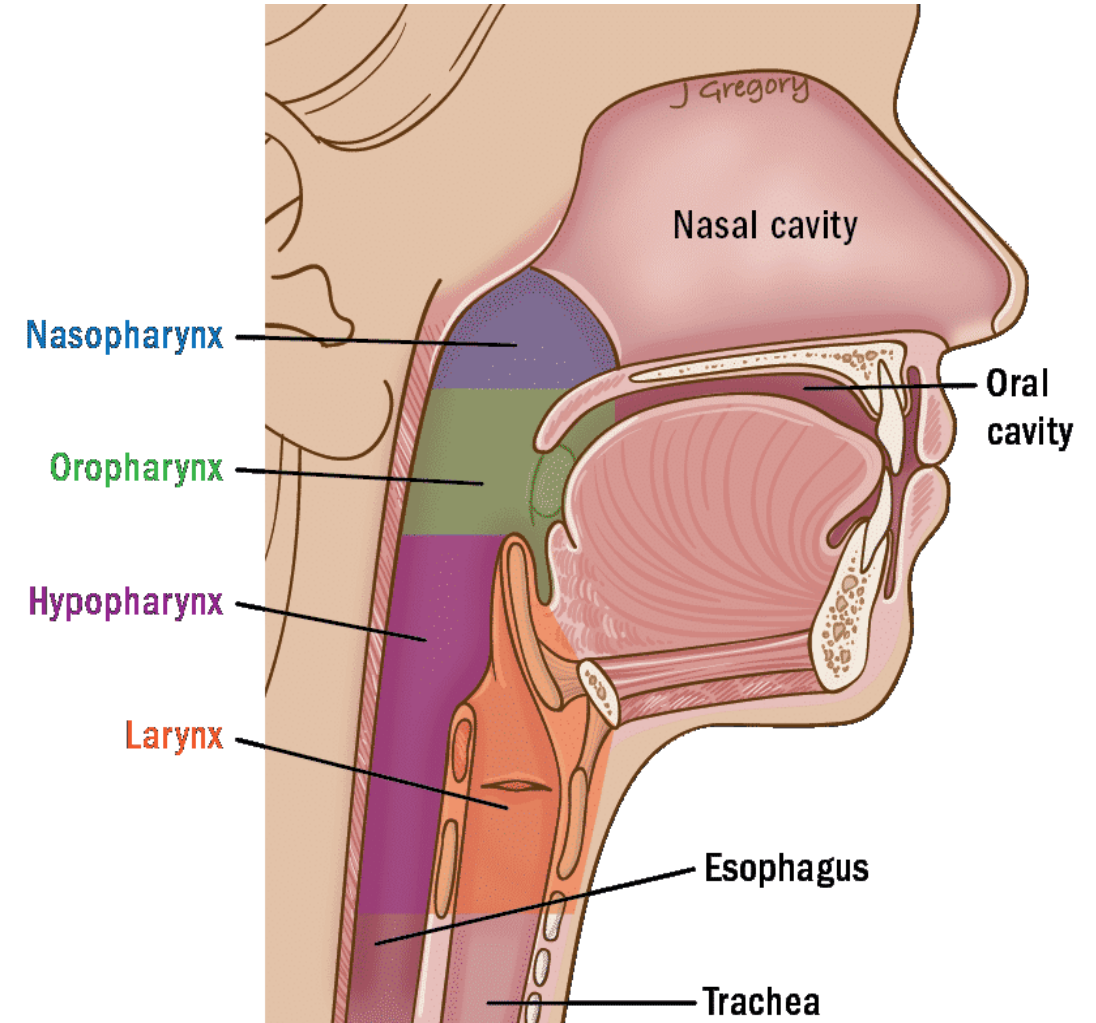
Hrtan, lat. Larynx

<https://youtu.be/b89RSYCaUBo>



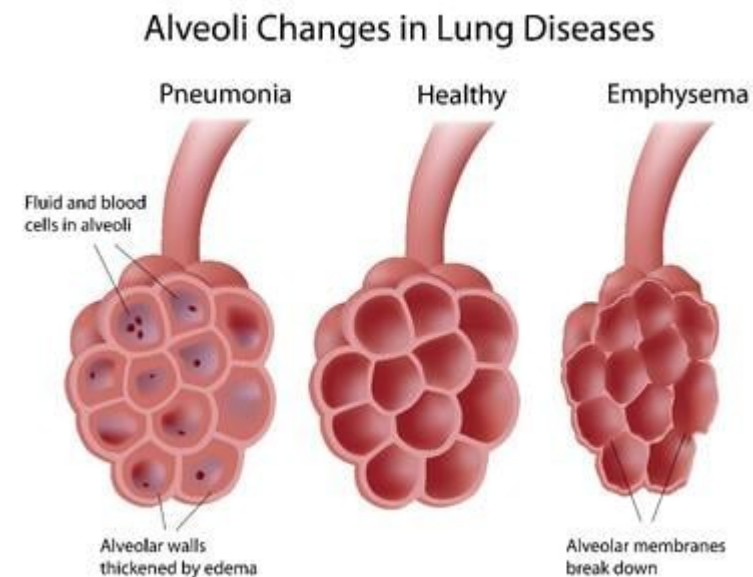
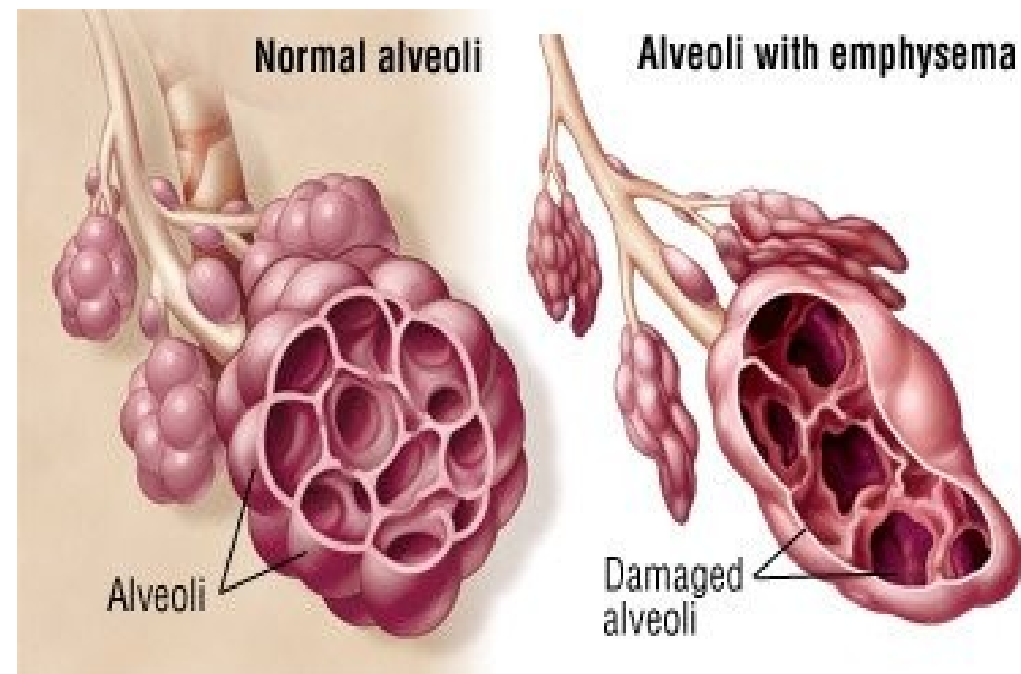
<https://healthjade.com/what-is-the-larynx/>

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



Respirační systém

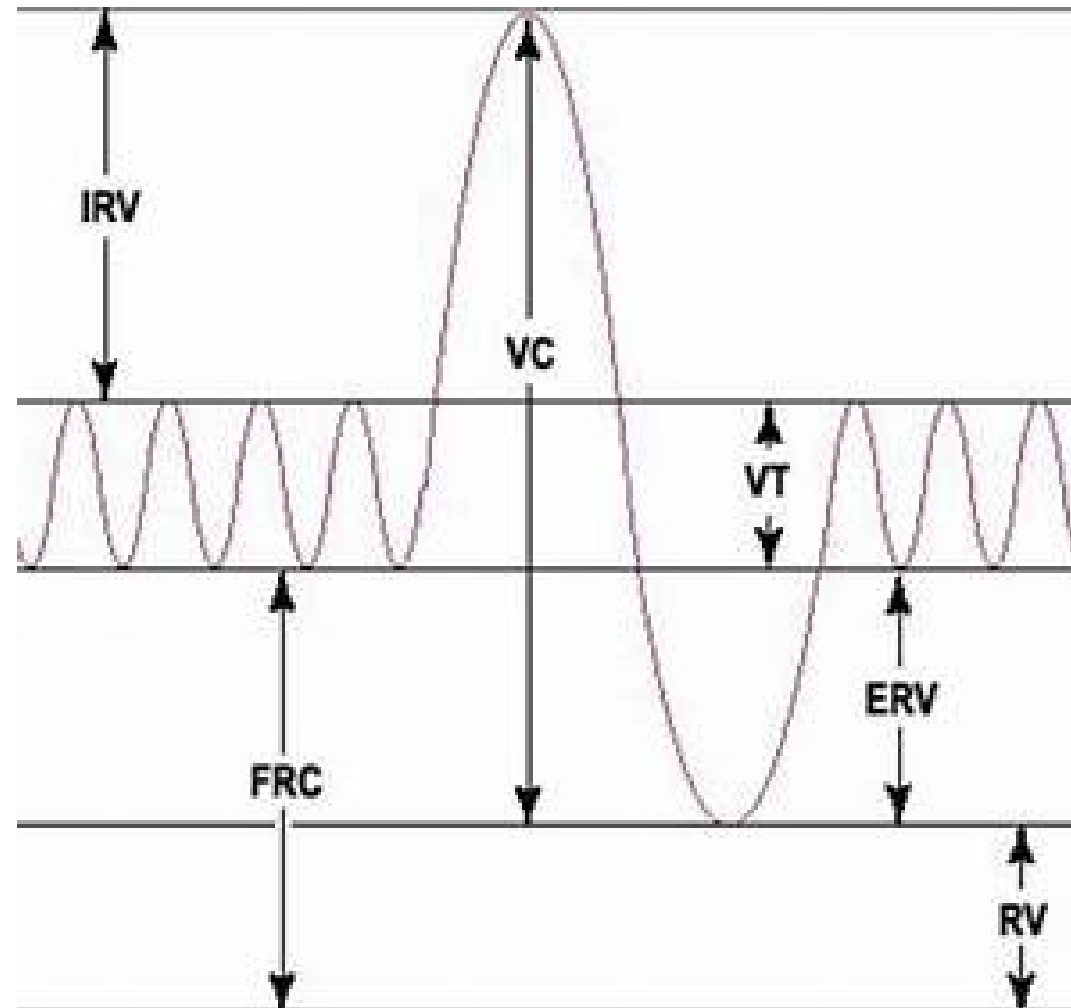
- <https://www.youtube.com/watch?v=B75kBvjJink>
- Emfysém
- Spirometrie
- <https://youtu.be/hQzNG89pESQ>
- https://www.google.com/search?q=emphysema&tbm=isch&source=lnms&sa=X&ved=2ahUKewiw94Kk79v7AhV1SfEDHTIVAxYQ_AUoAXoECAoQAw&biw=1003&bih=497&dpr=1.5#imgsrc=ex-siDfAWuS7sM&imgdii=hXLB_vm-q3gXSM



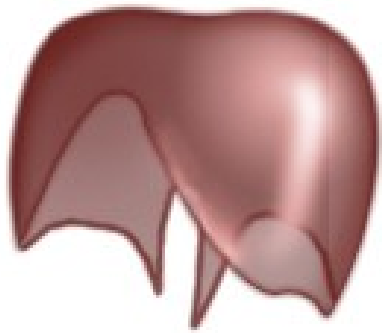
Pneumonie

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

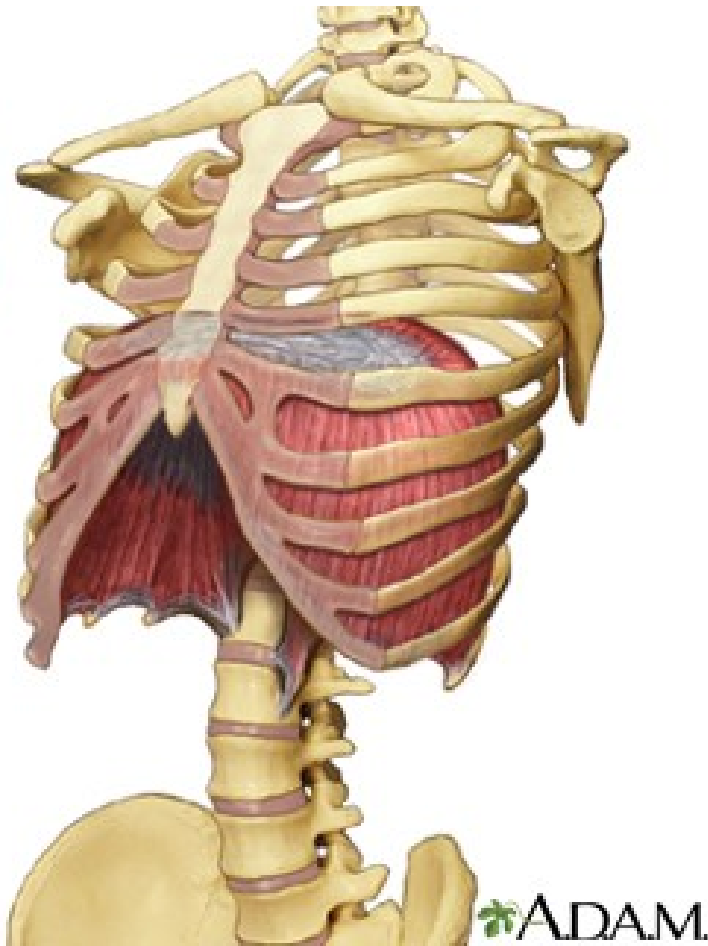
Spirometrie



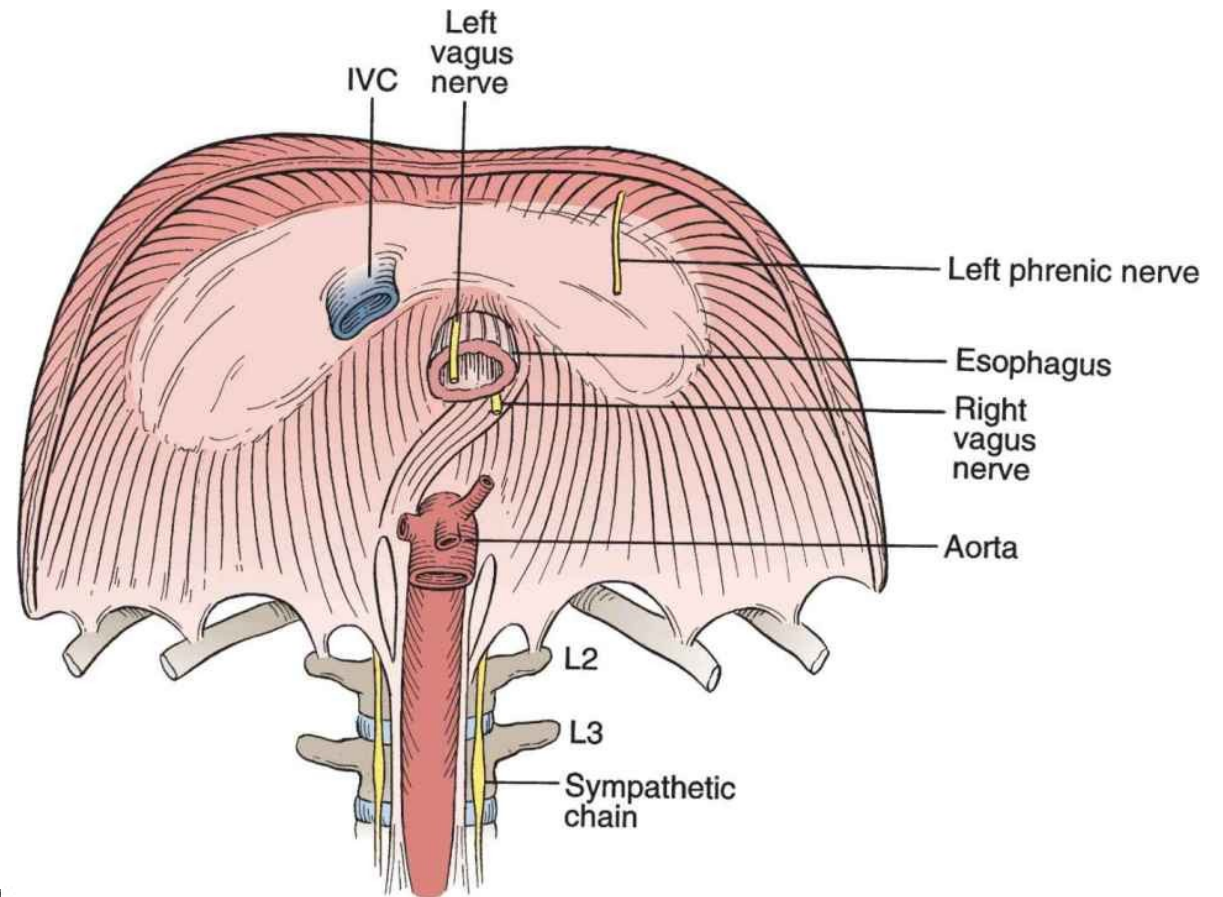
Bránice, *lat. diaphragma*



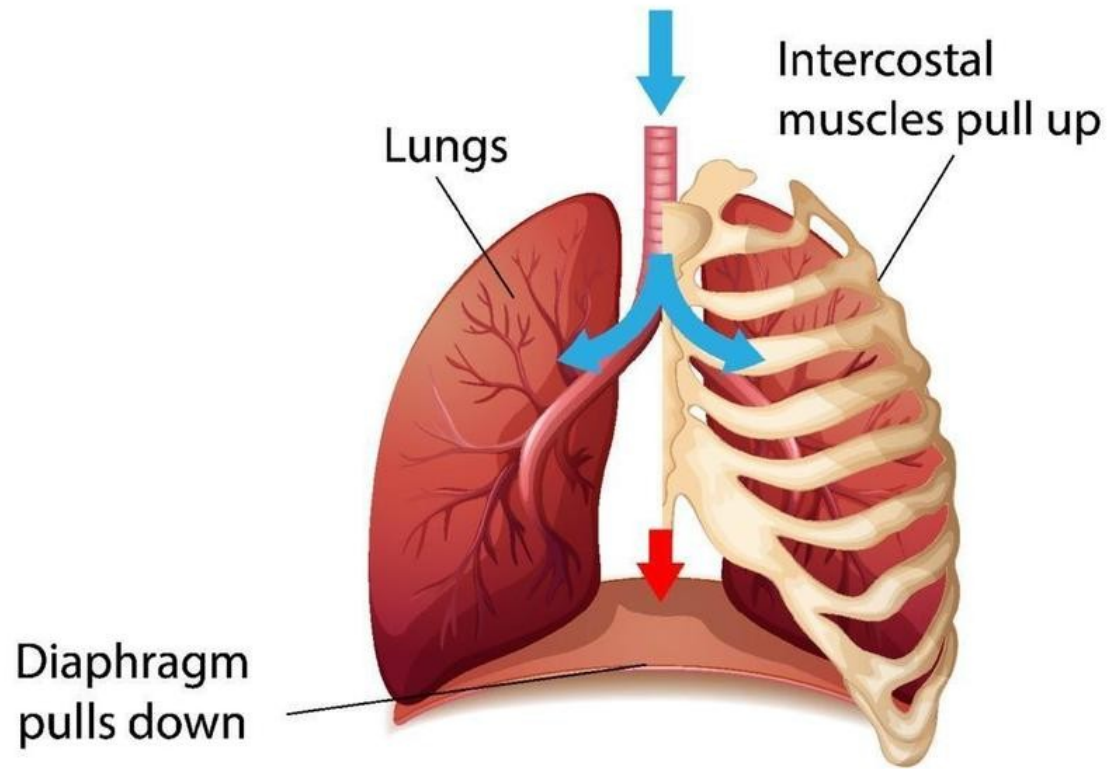
The diaphragm
is shaped
like a parachute



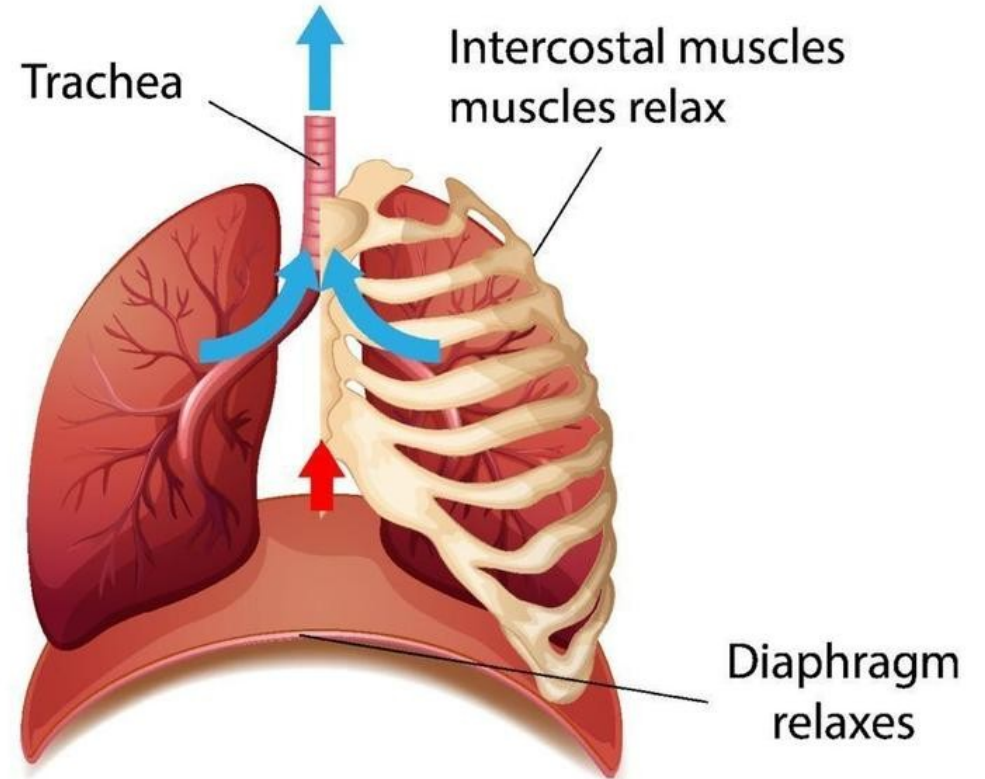
ADAM.



THE DIAPHRAGM FUNCTIONS IN BREATHING



Inhalation



Exhalation

Srdce, oběh

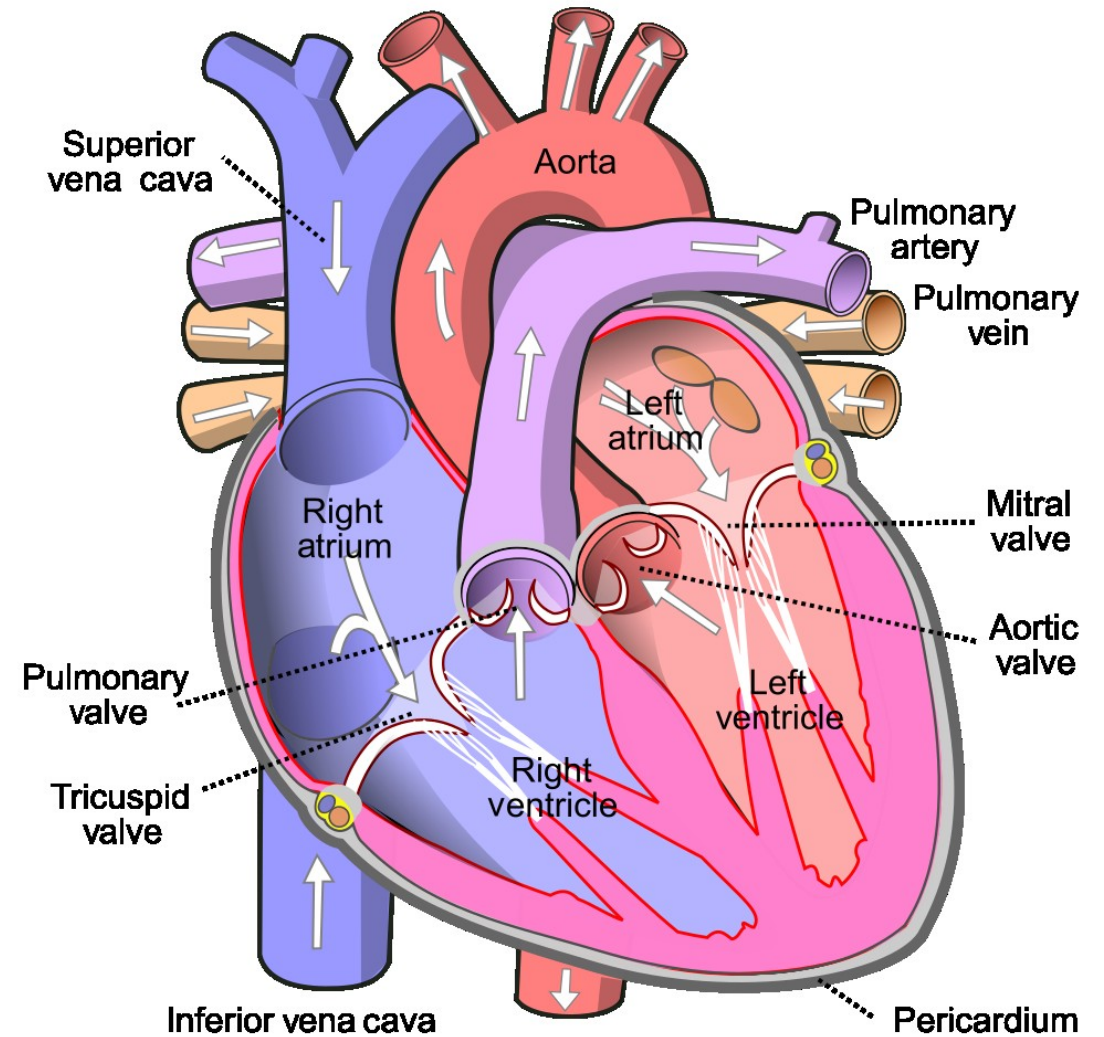
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- <https://www.youtube.com/watch?v=46u2ON6d4mg>
- <https://www.youtube.com/watch?v=CWFyxn0qDEU>
- https://youtu.be/_qmNCJxpsr0

Koronární artérie

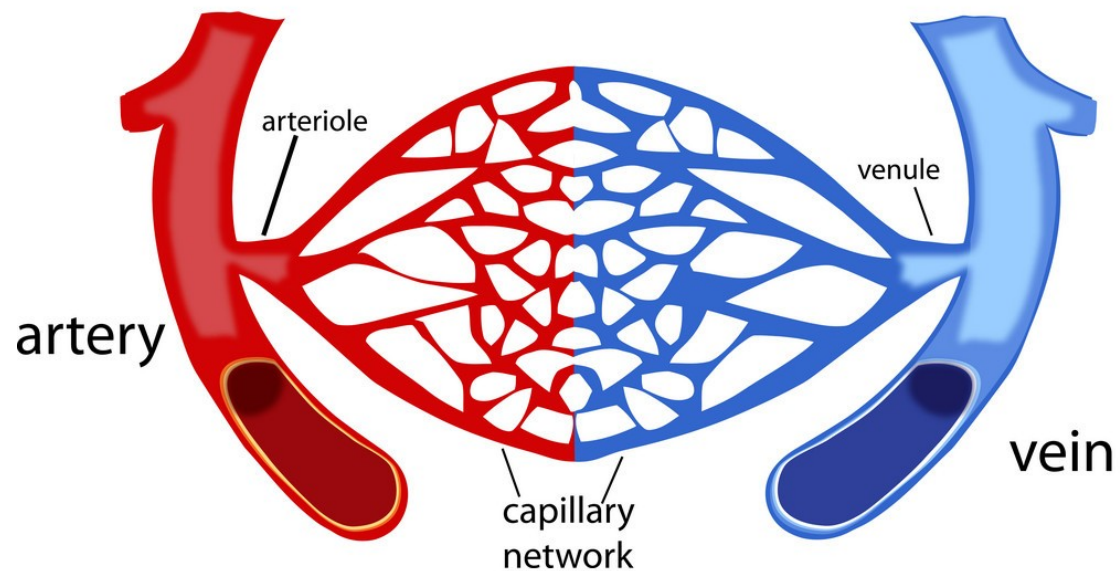
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IM

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



Krevní oběh

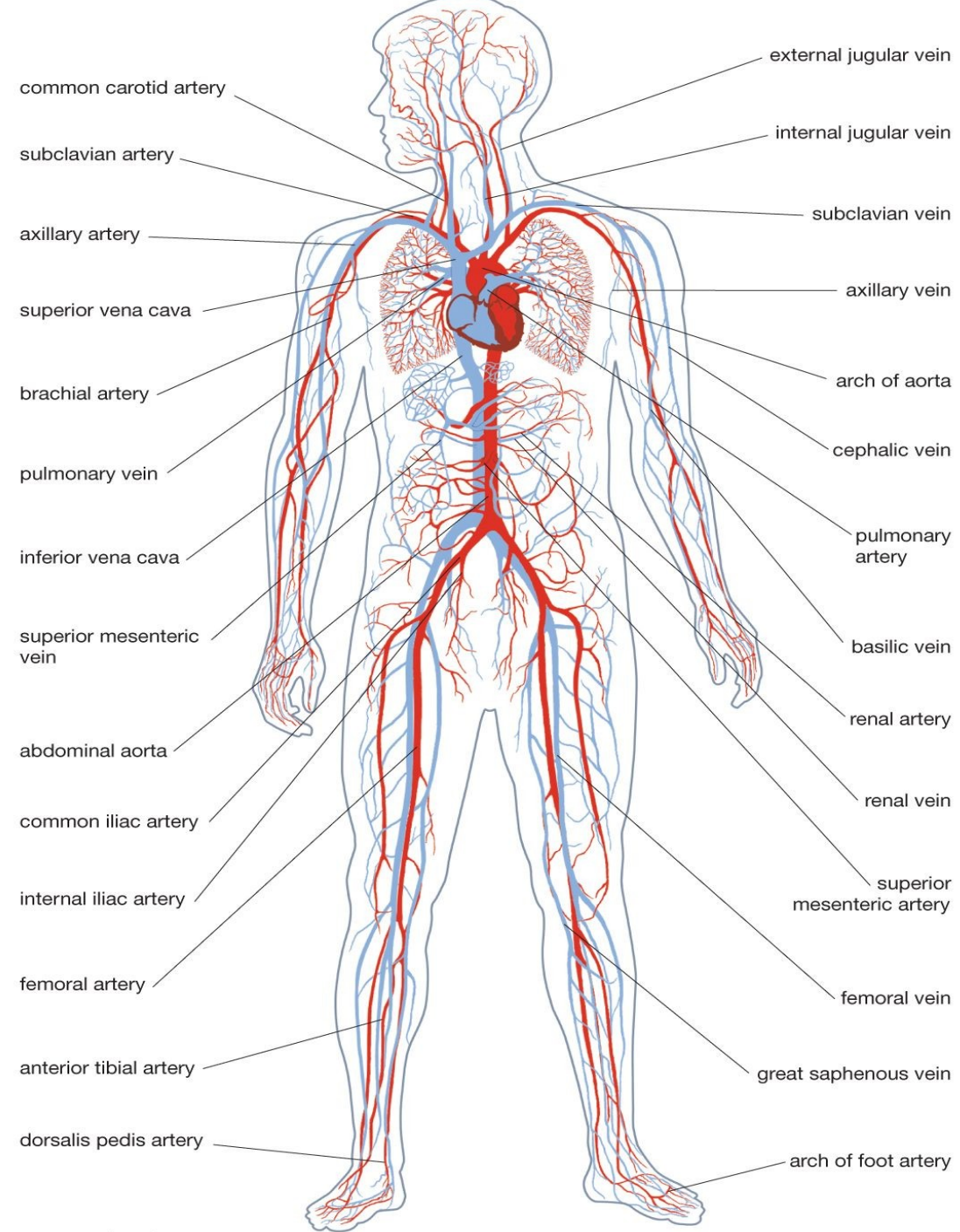


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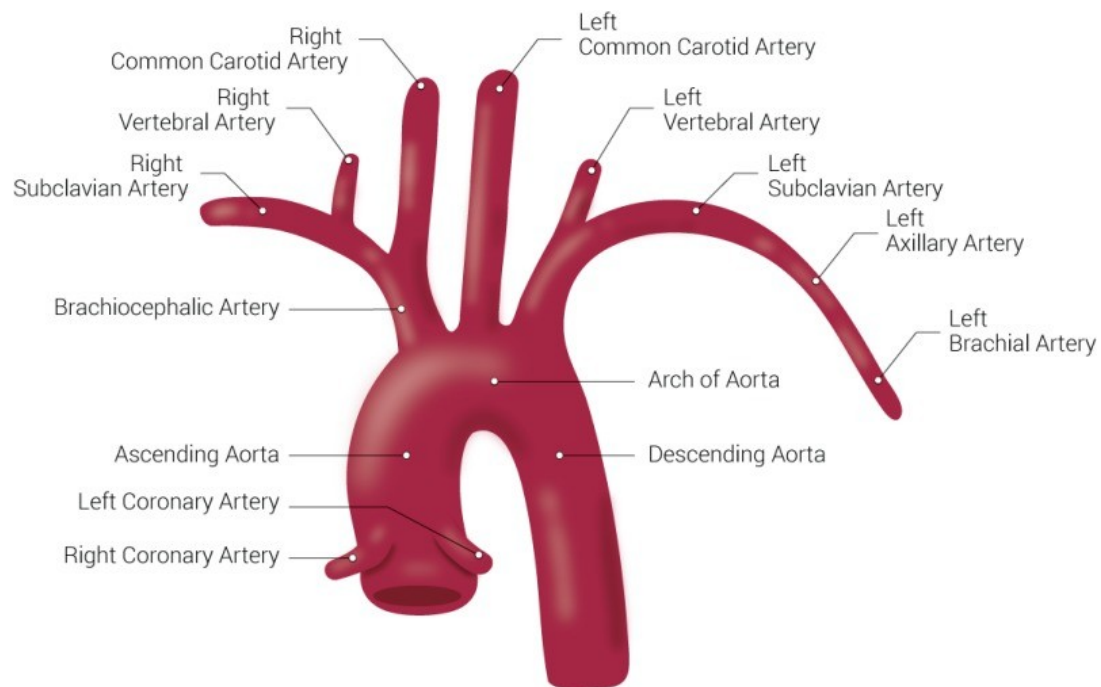
VectorStock.com/26868493

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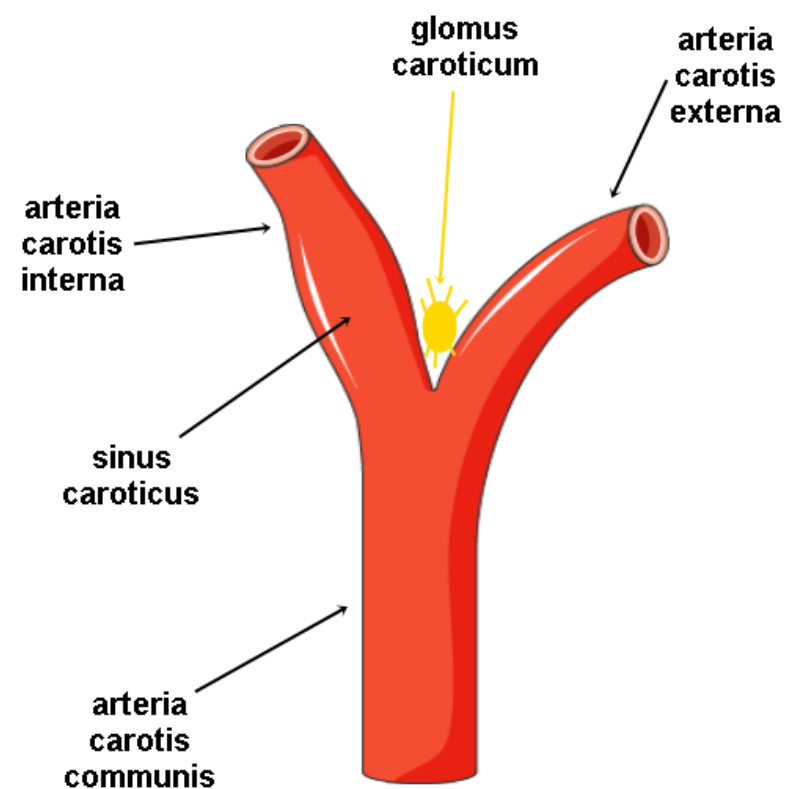
- <https://www.google.com/search?q=kardiovscular+system&tbm=isch&ved=2ahUKEwij6b-J88z7AhWMYAIHHRToArEQ2-cCegQIABAA&oq=kardio>



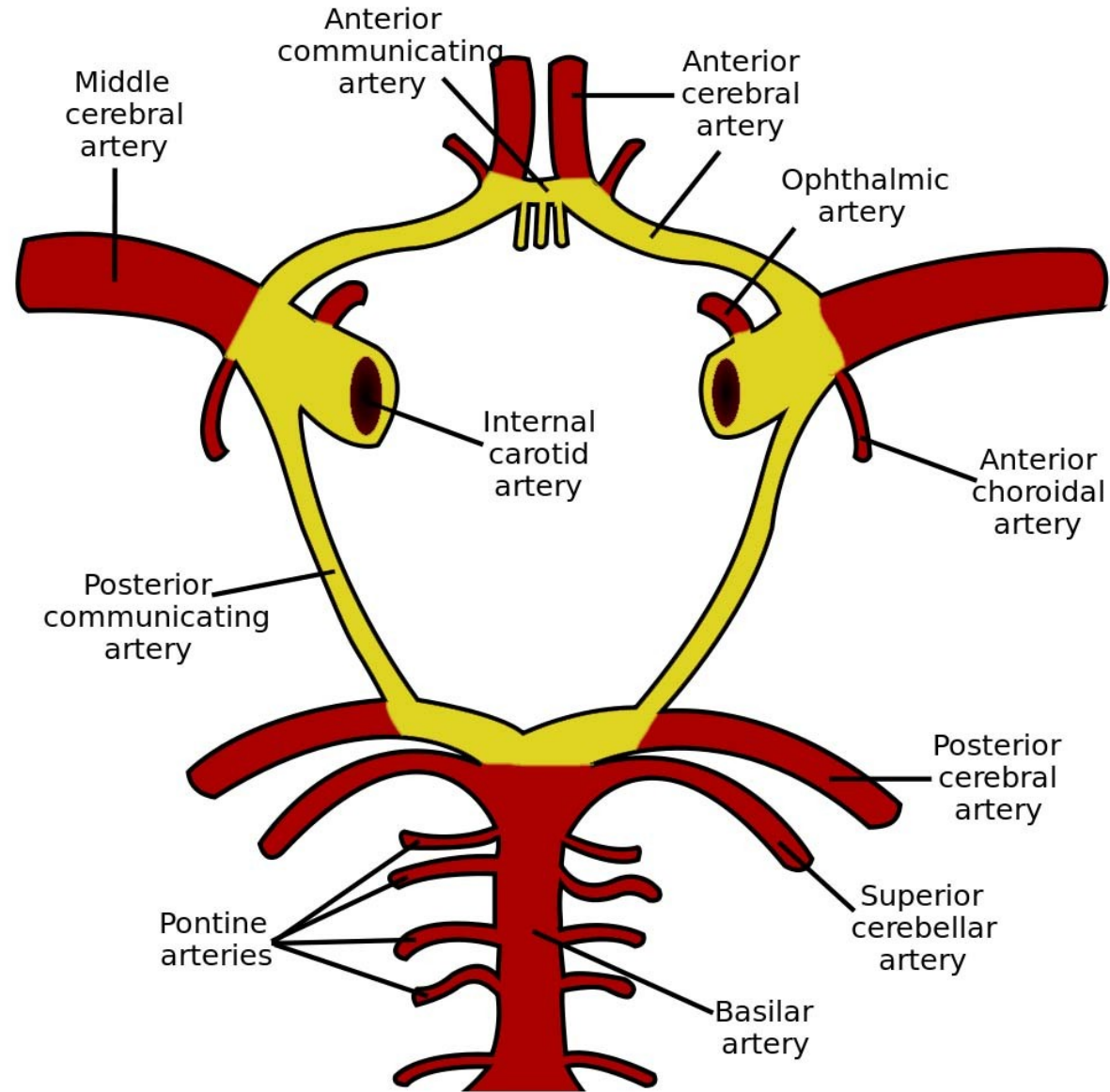
Oblouk aorty



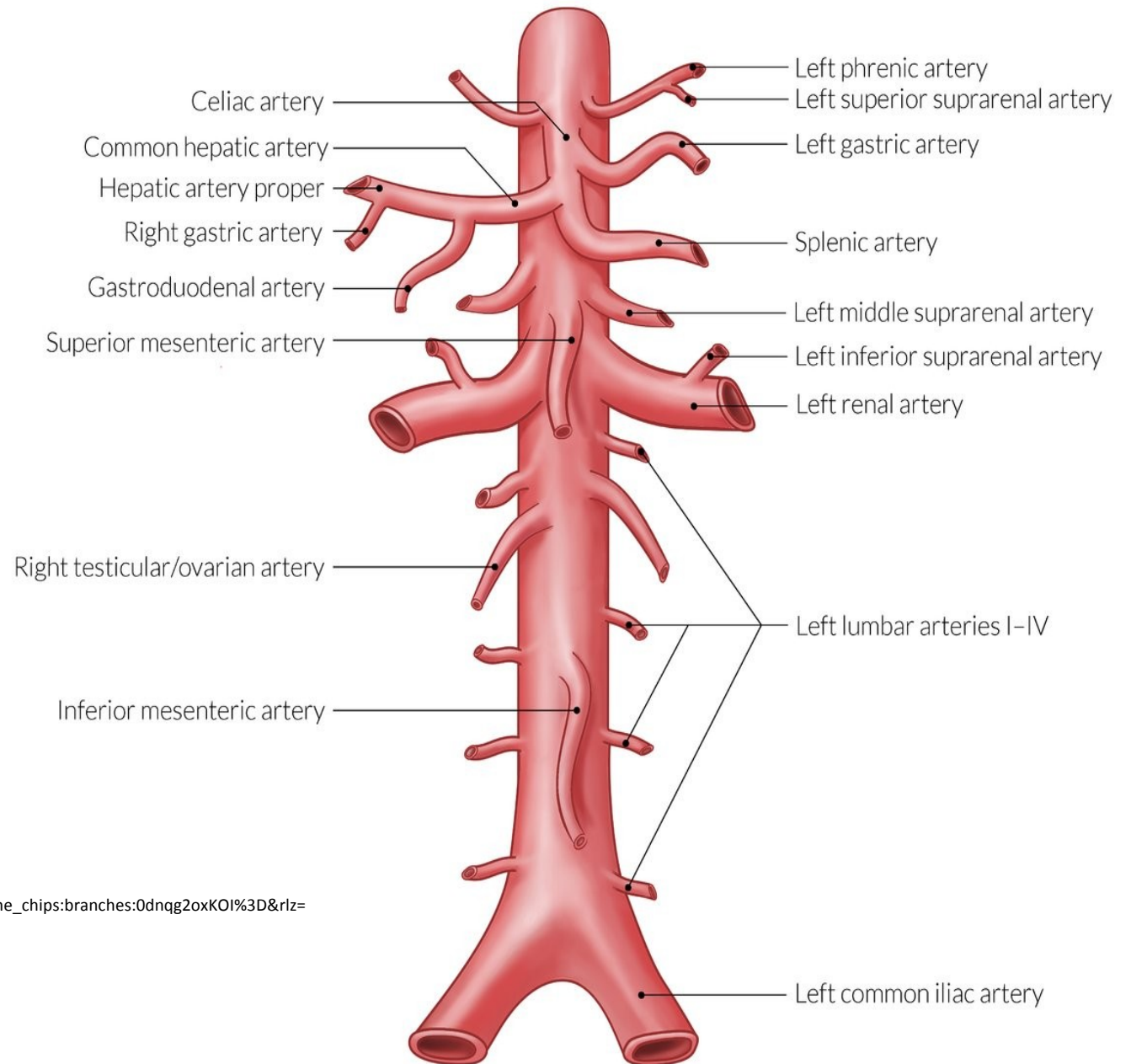
Odstupy aa. carotis



Wilisův okruž



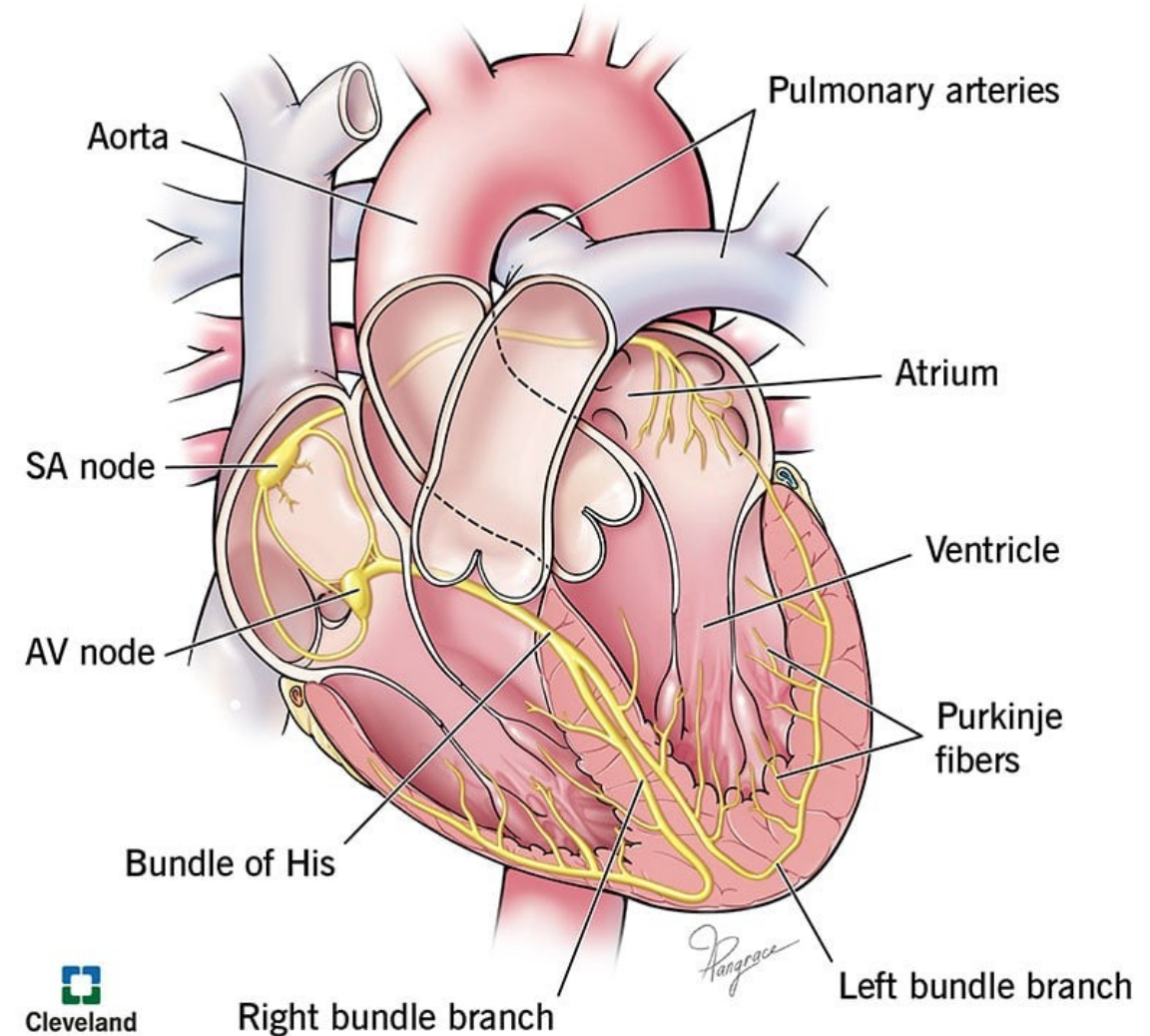
Odstupy břišní aor



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

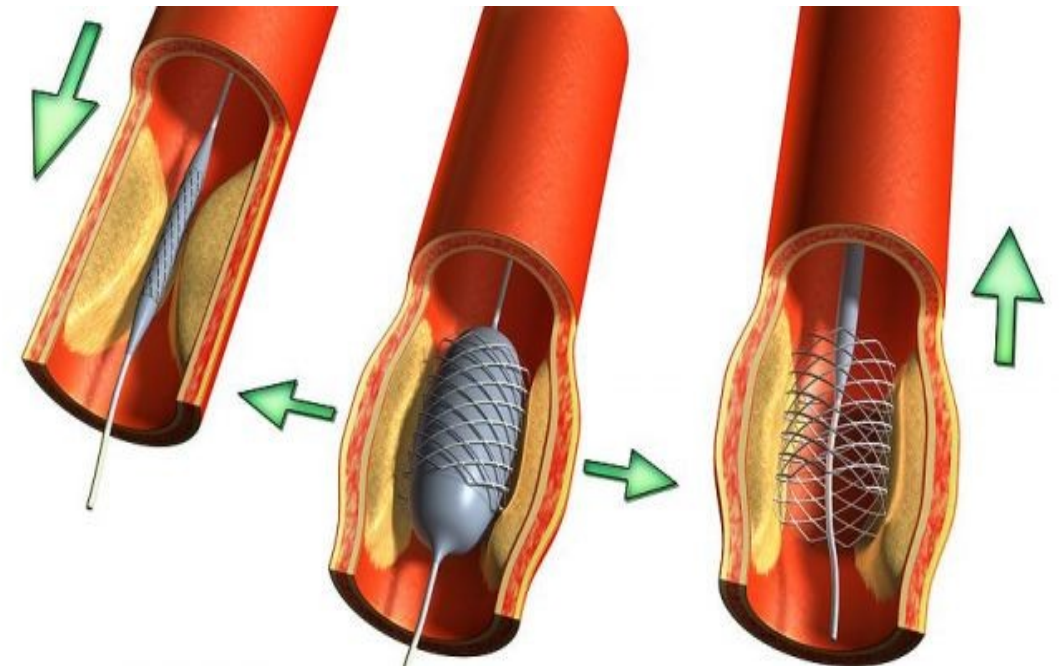
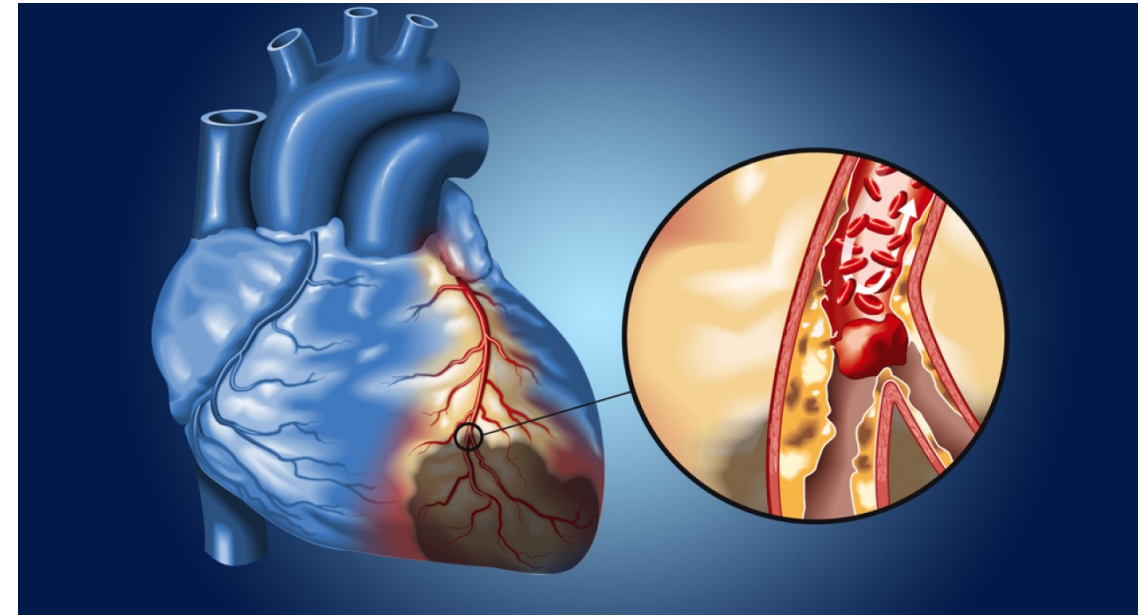
Převodní systém srdeční

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



Infarkt

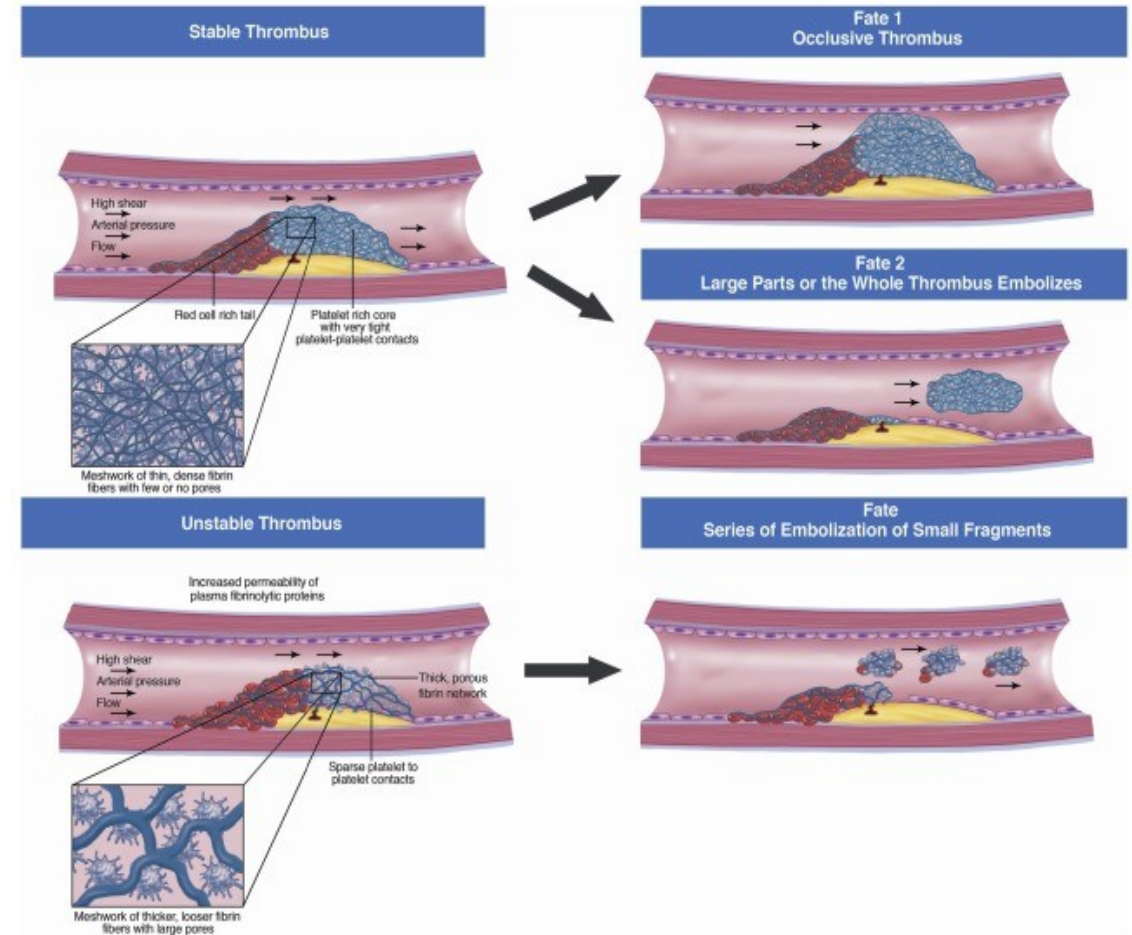
- <https://www.youtube.com/watch?v=QllguanpKic>
- Angioplastika
- <https://www.youtube.com/watch?v=p3z9FLYijrQ>



Srážení krve

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

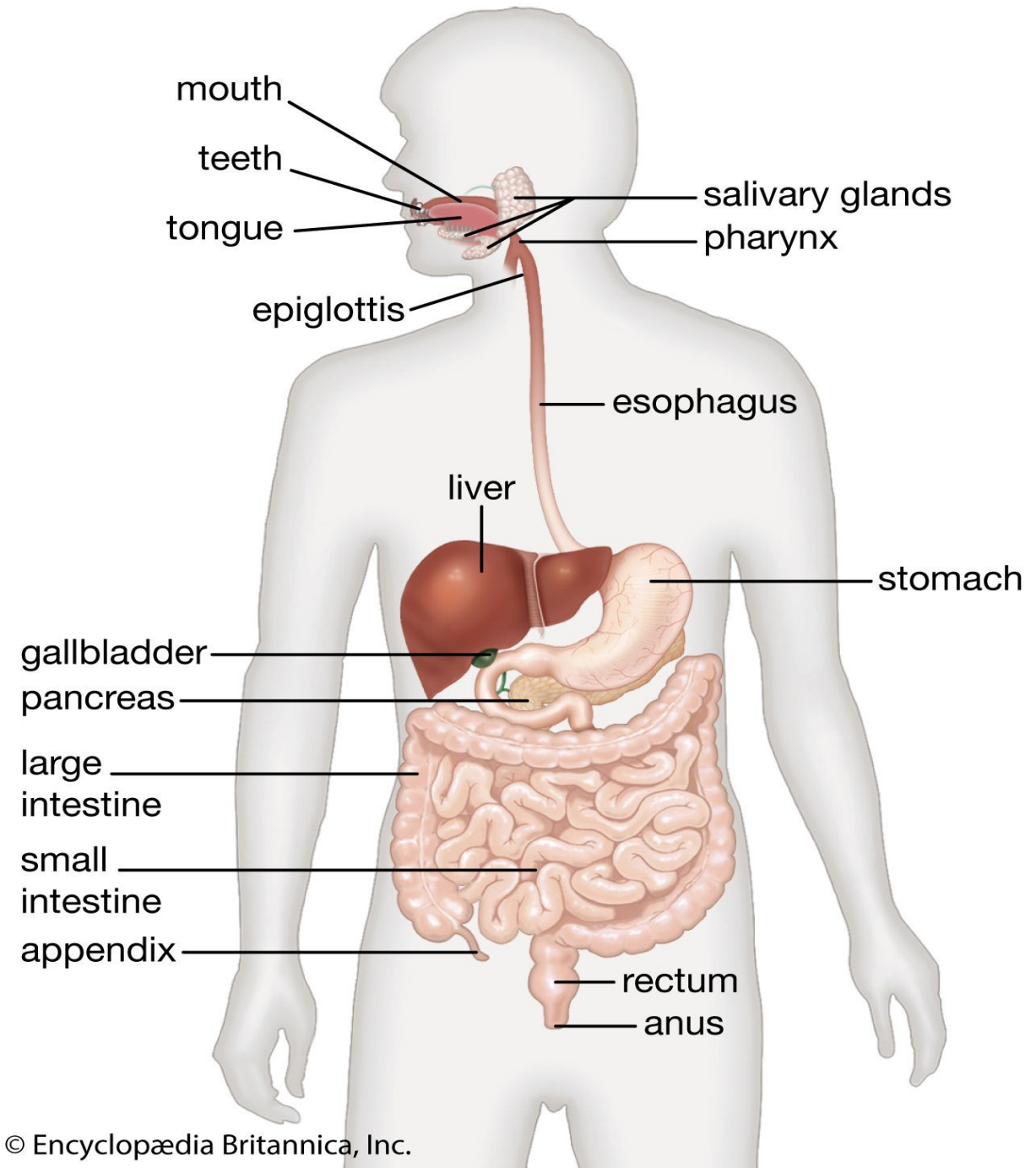
CENTRAL ILLUSTRATION: Potential Fate of a Growing Arterial Thrombus, Depending on Thrombus Stability



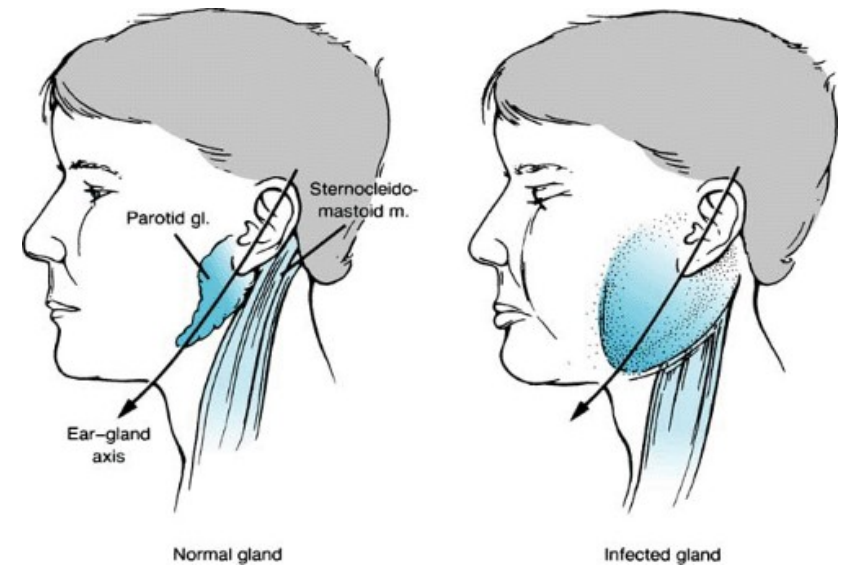
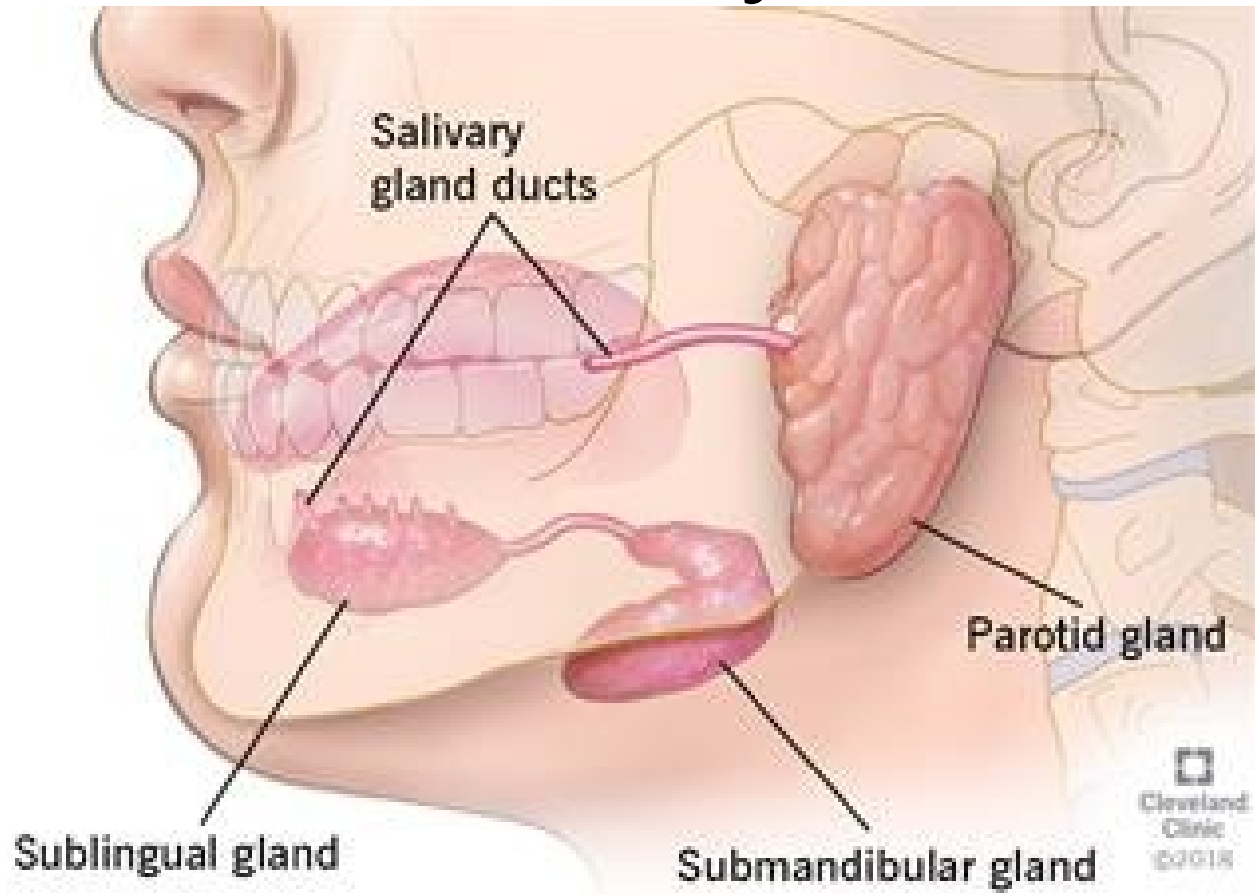
Gorog, D.A. et al. J Am Coll Cardiol. 2017;70(16):2036-47.

Trávicí systém

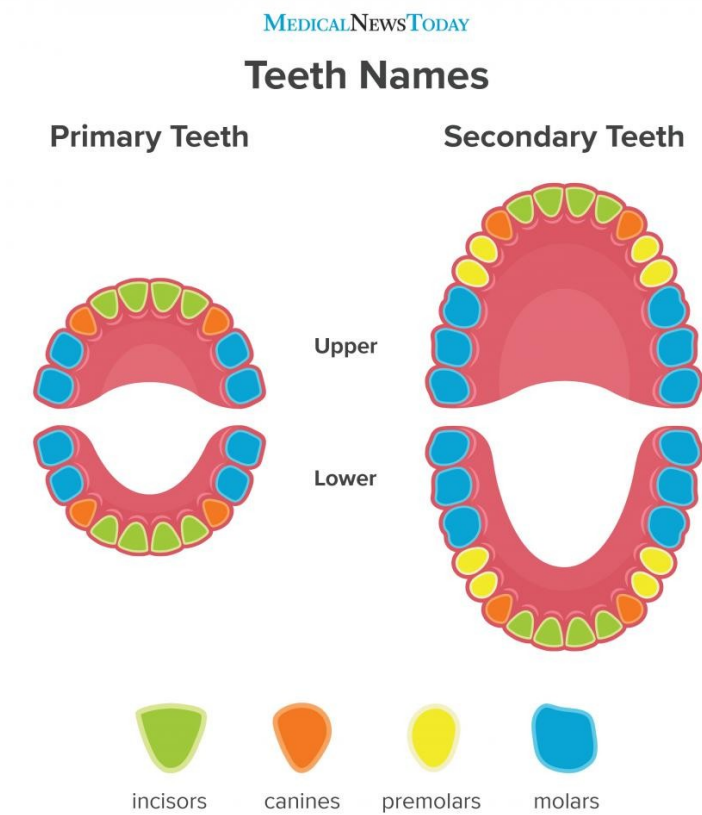
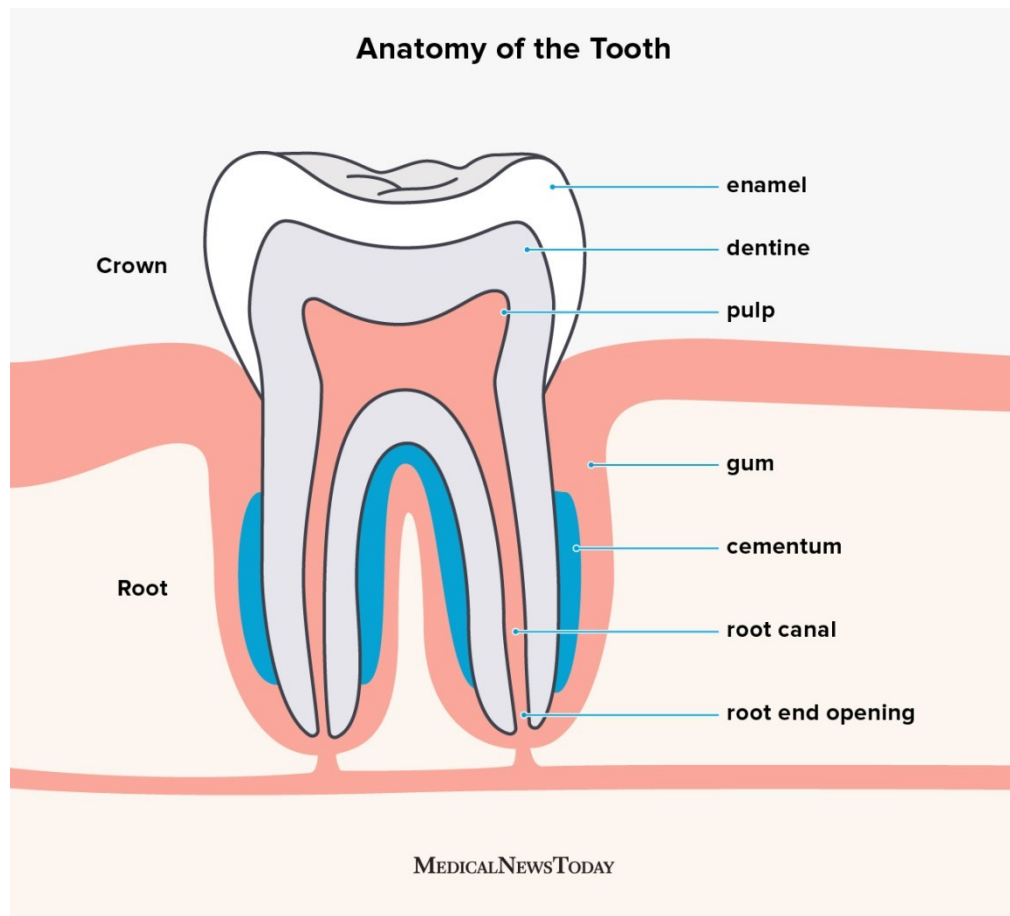
- <https://www.youtube.com/watch?v=X3TAR0otFfM>



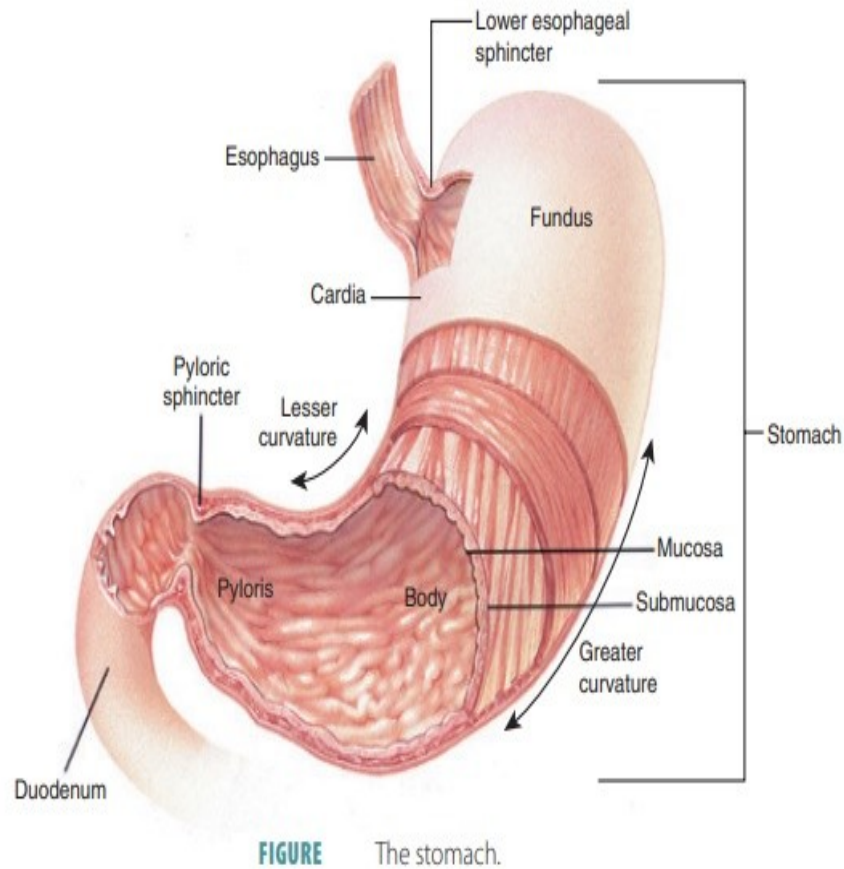
Slinné žlázy



Zuby, denty

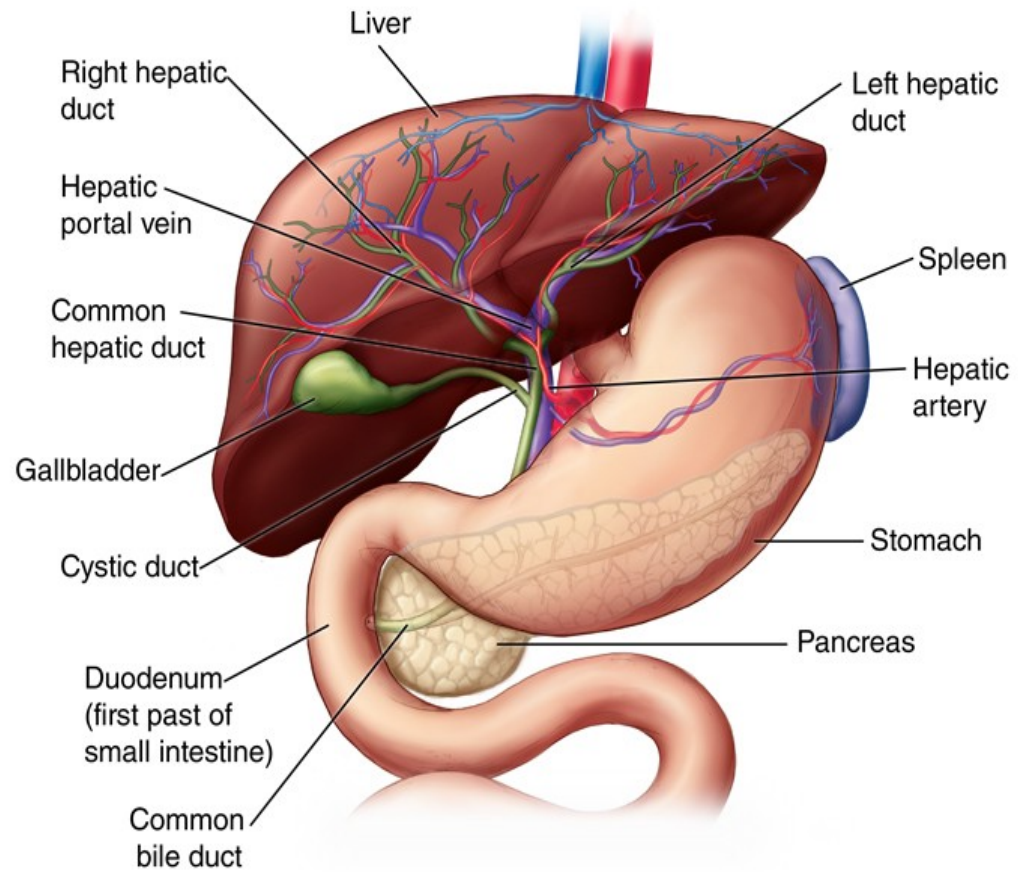


Žaludek

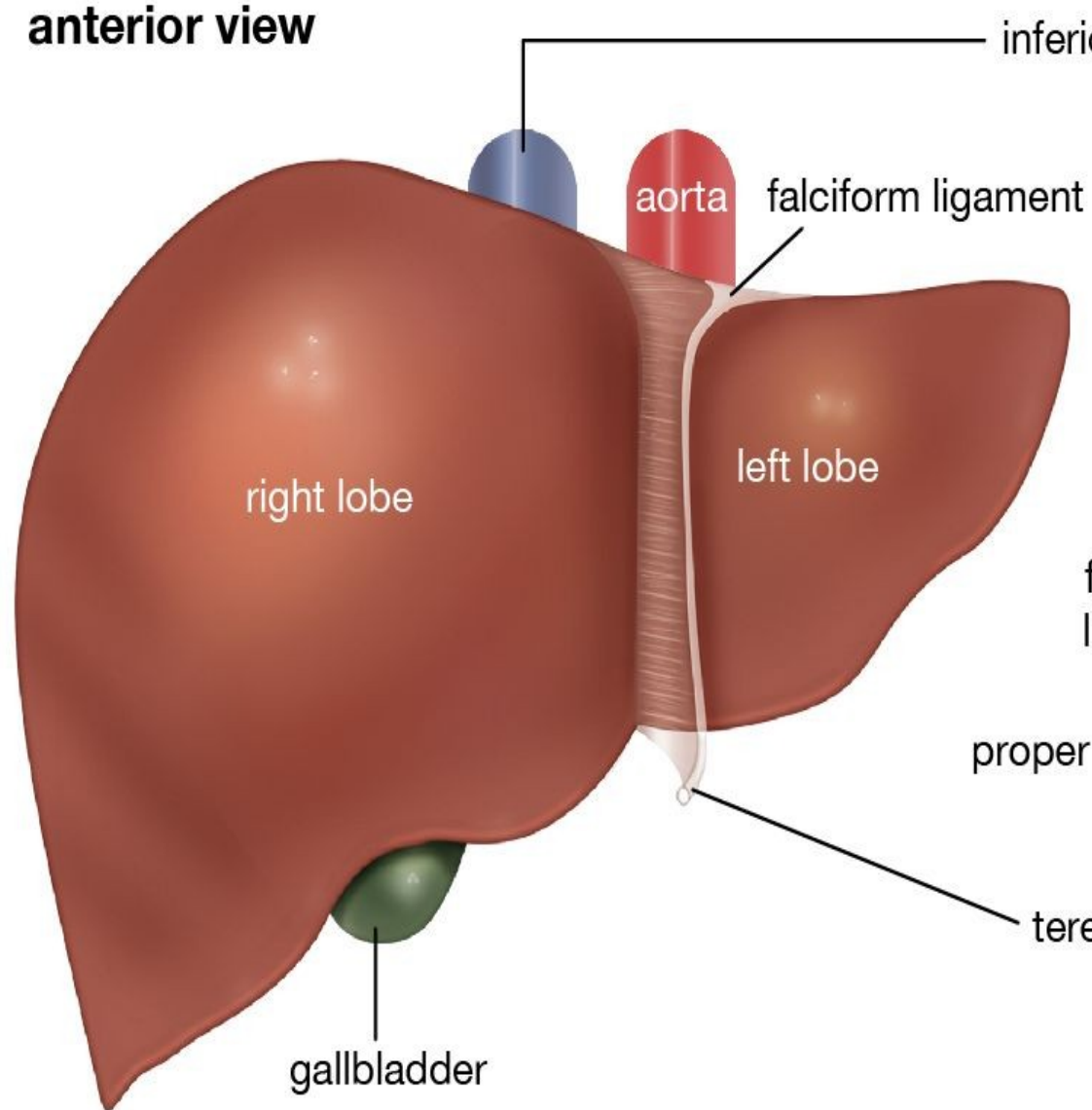


- Funkce:
- Mechanická
- Chemická
 - HCl
 - Pepsin
 - Vnitřní faktor
- Mucin
- <https://youtu.be/ZuJzYYIS9c4>

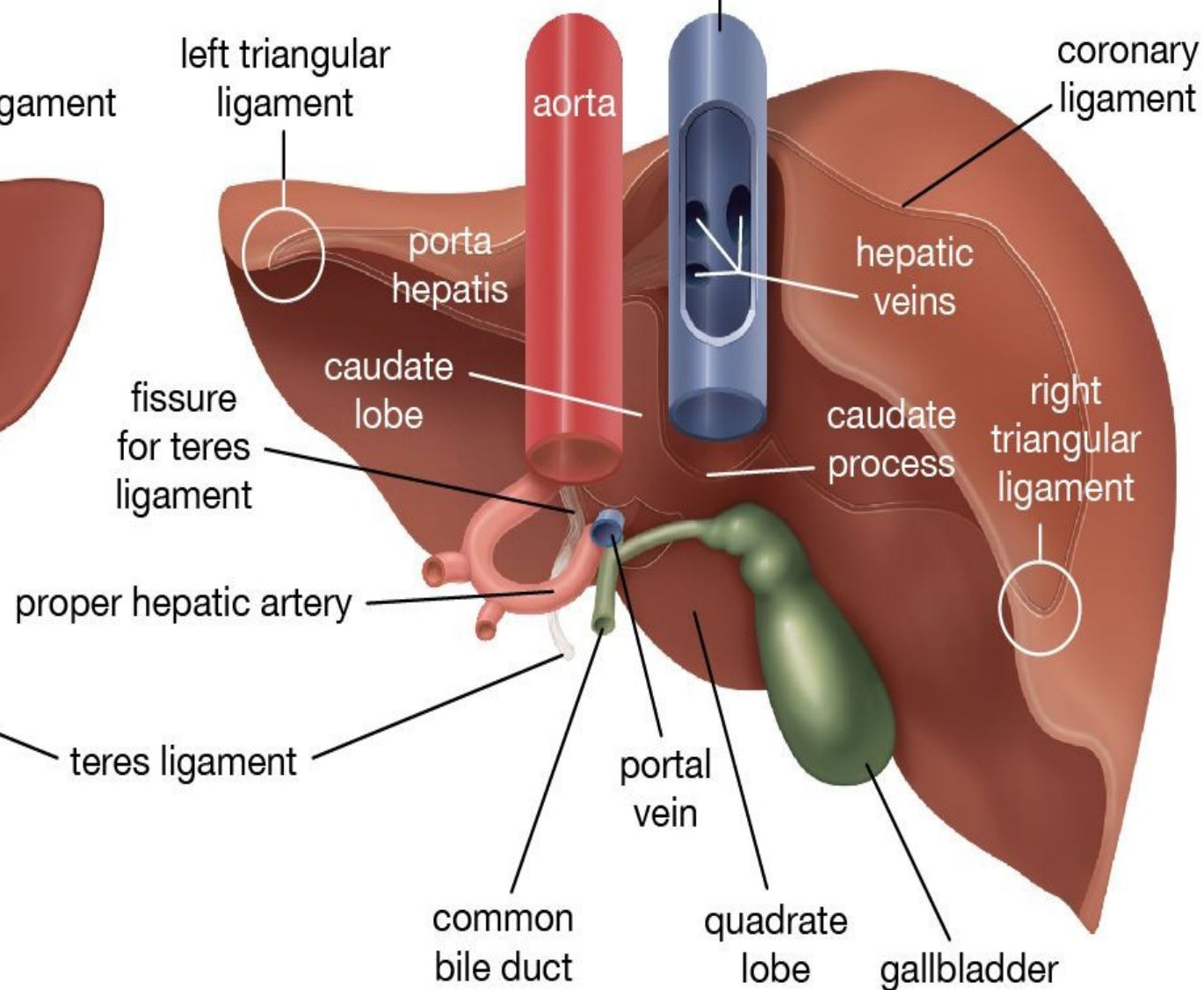
Játra



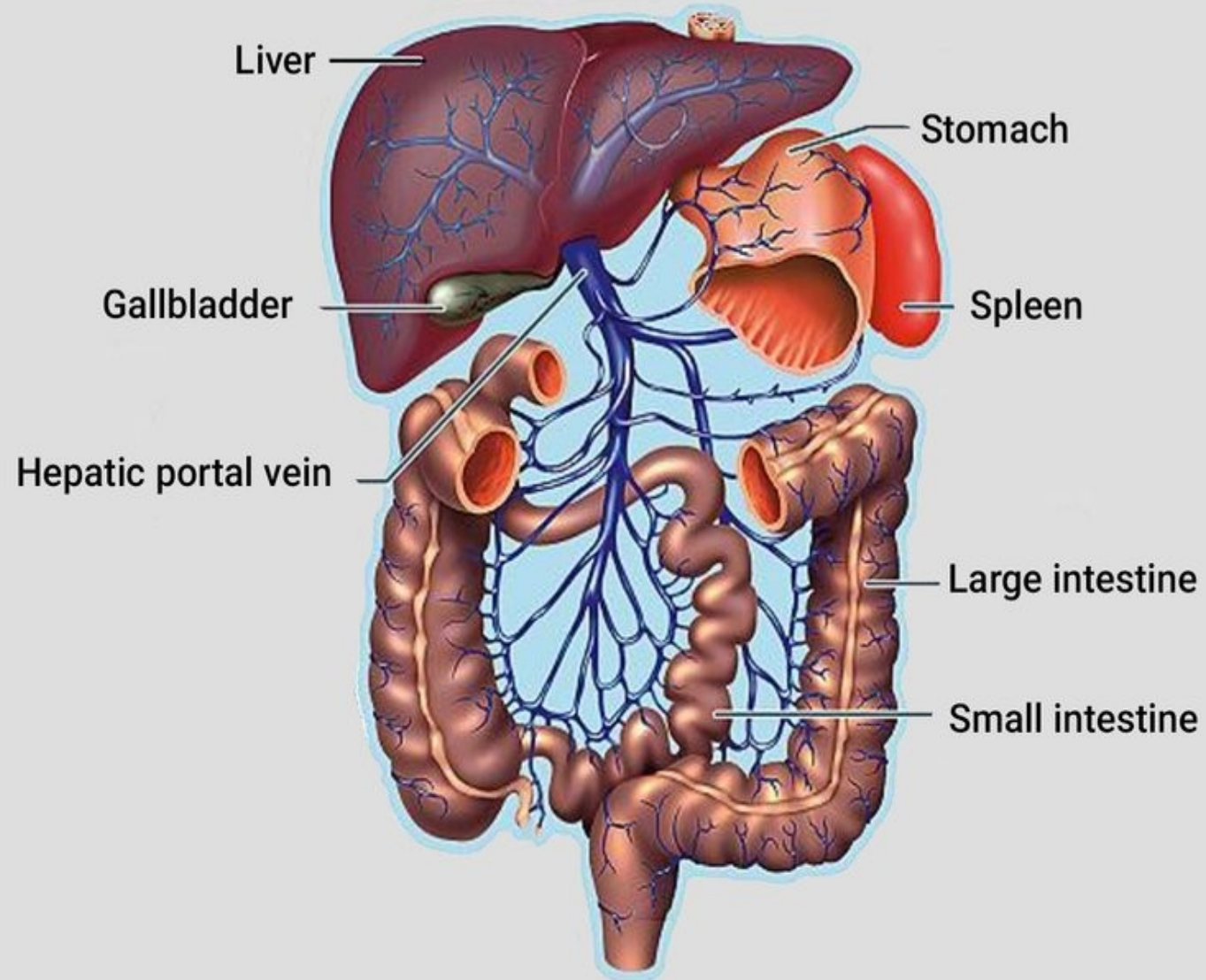
anterior view

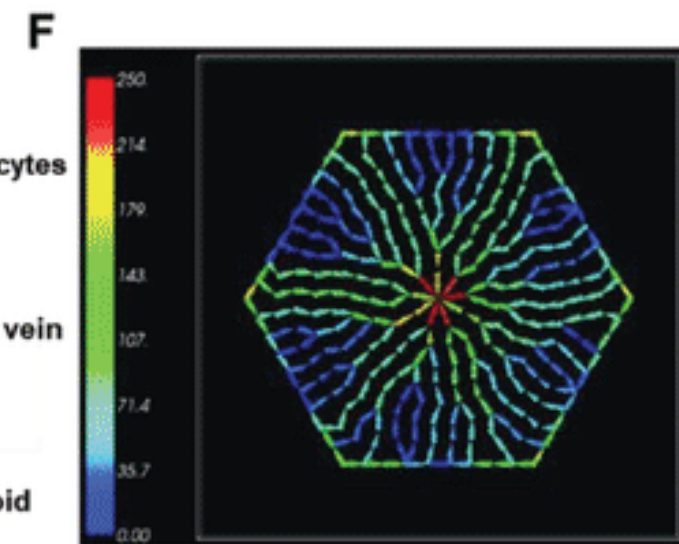
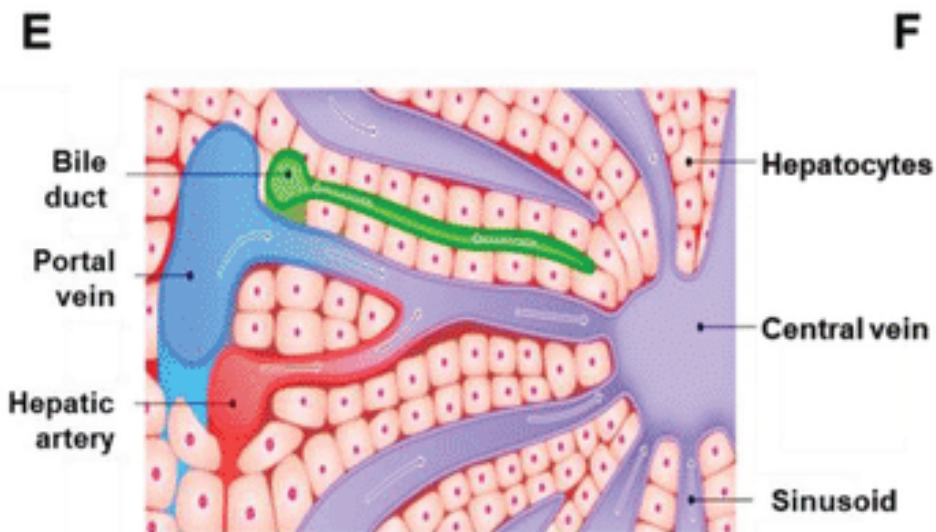
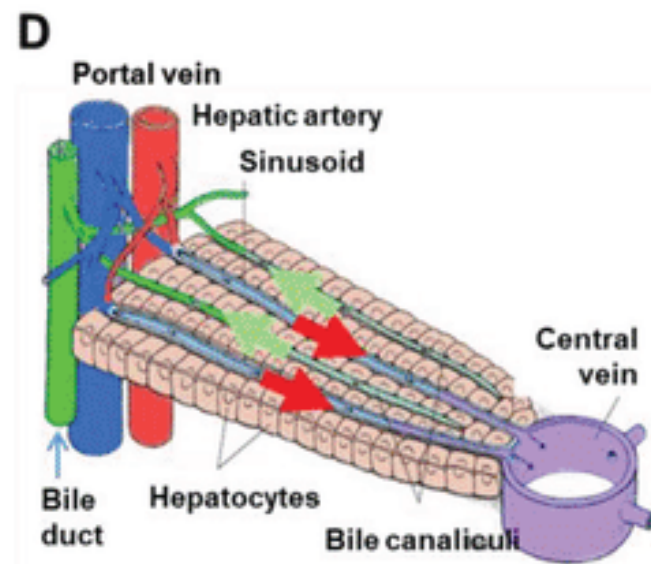
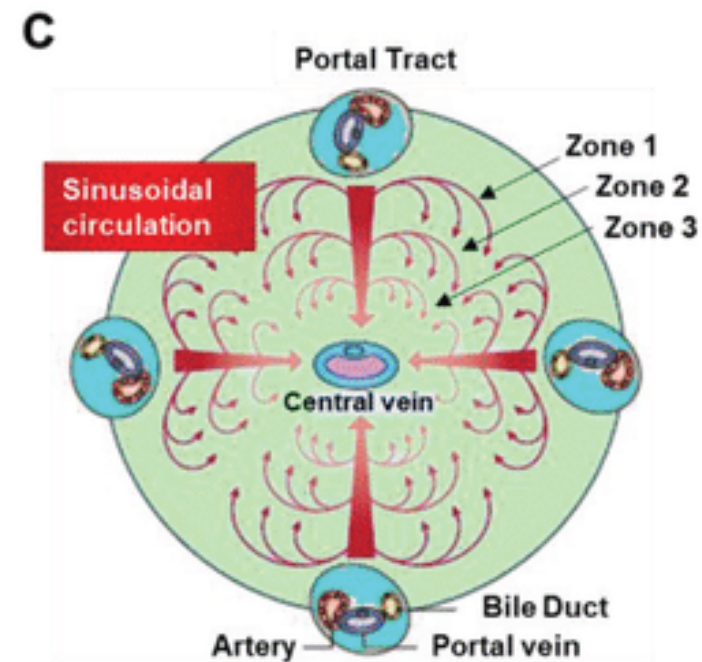
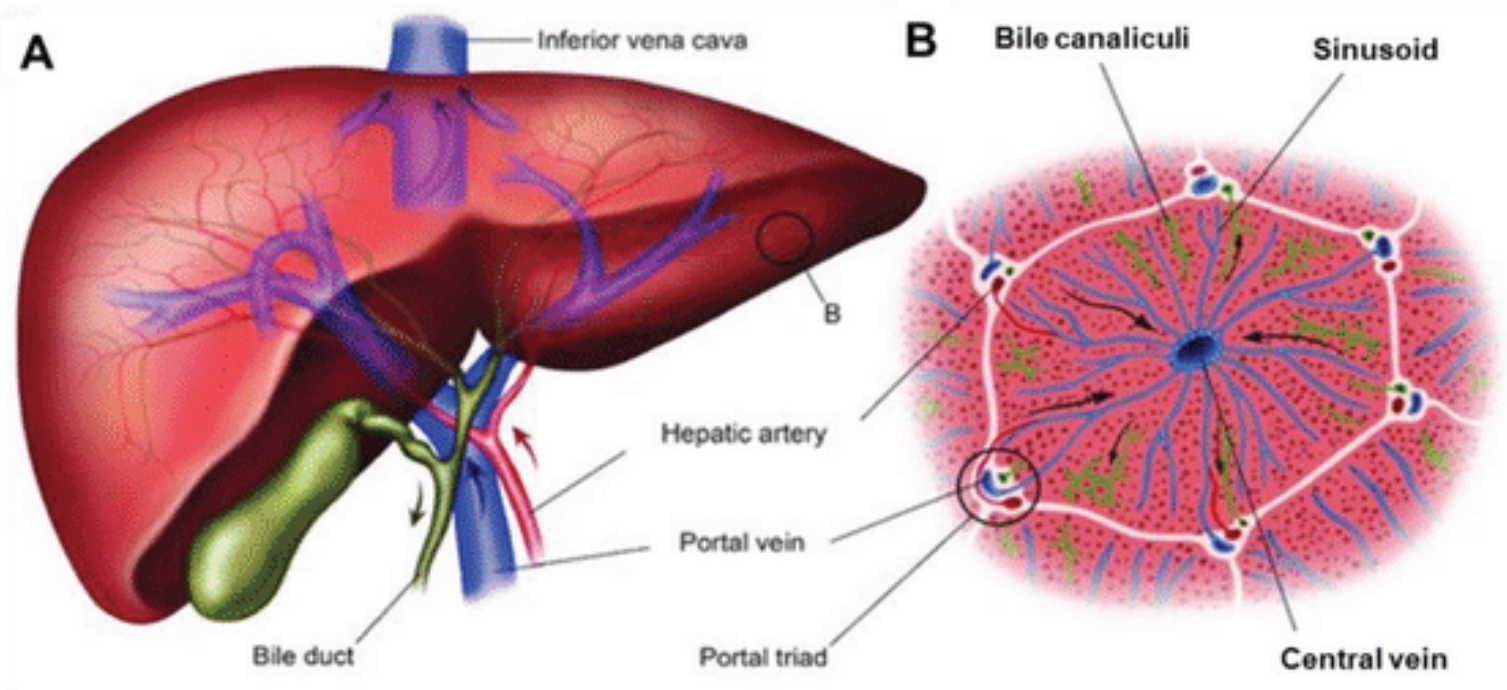


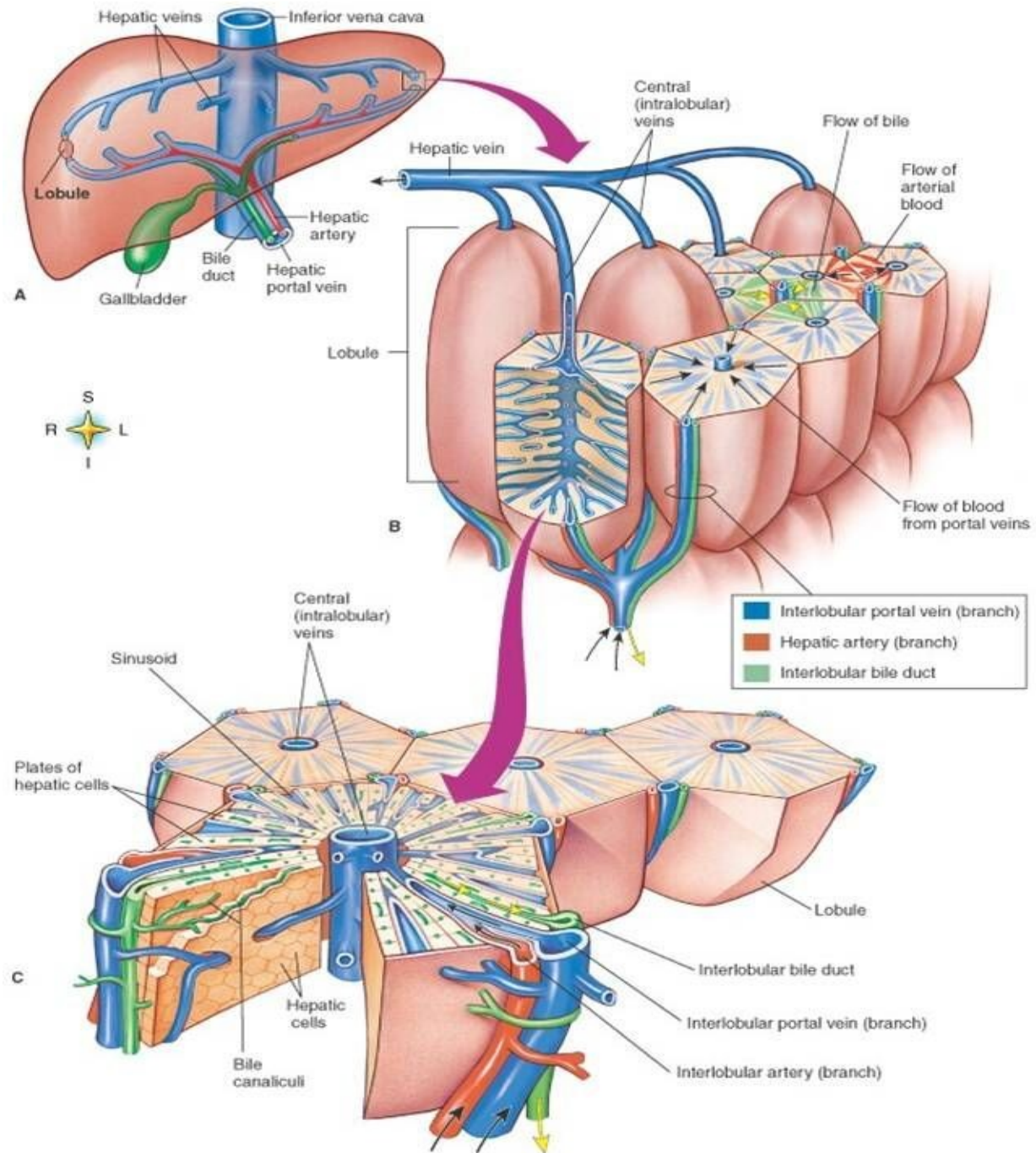
posterior view



Portální oběh





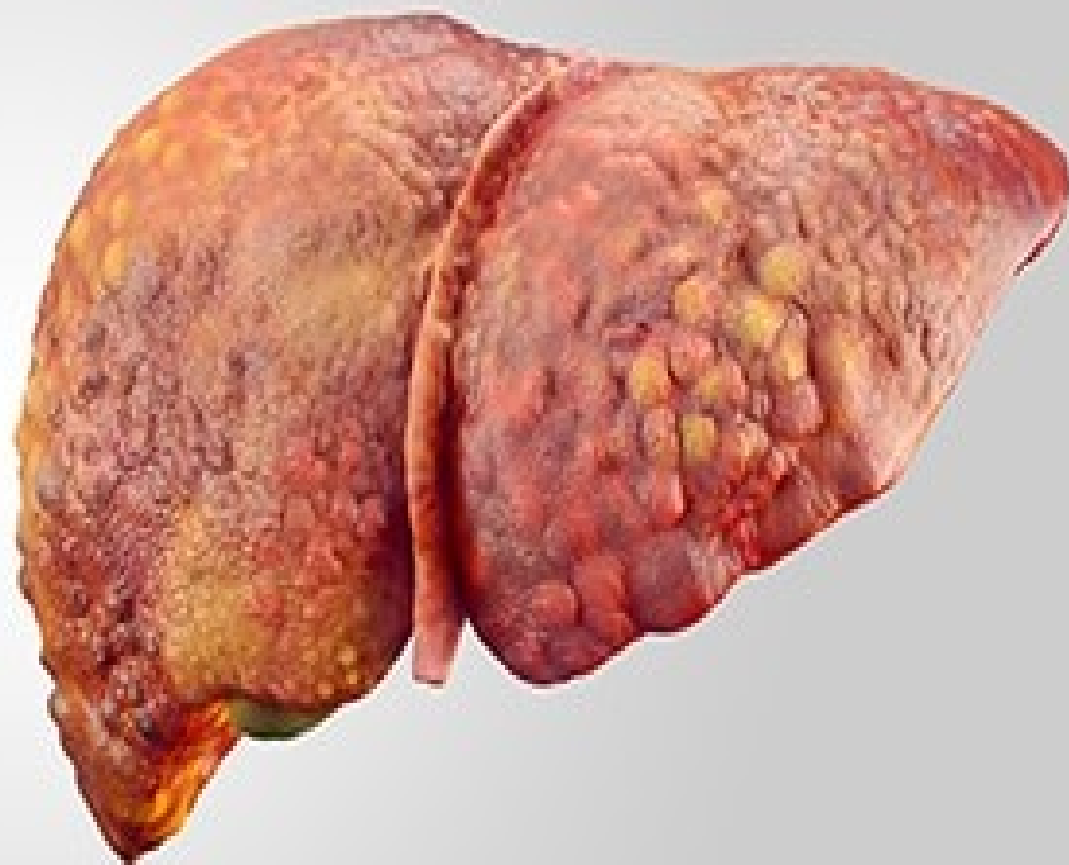


Funkce jater

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

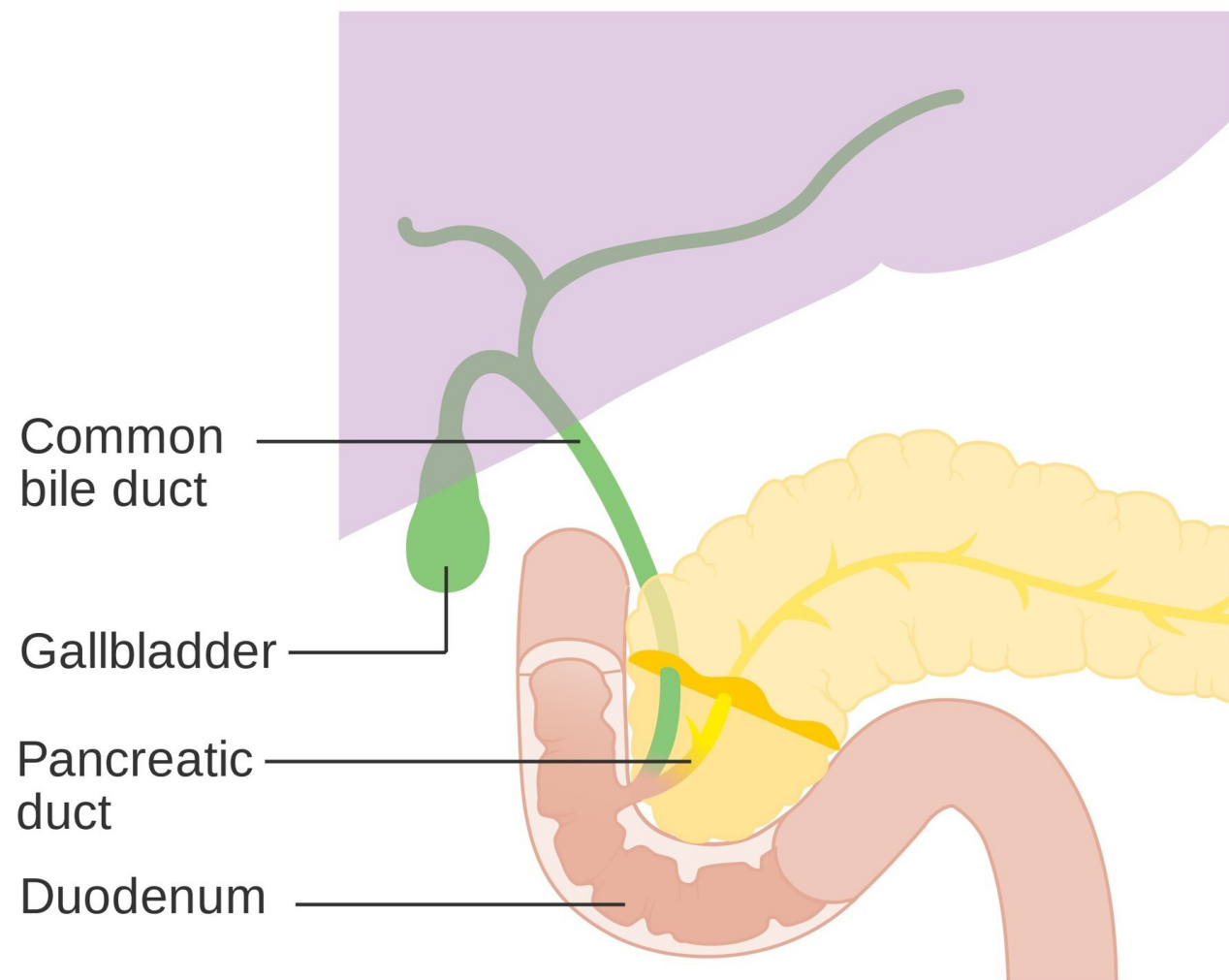


healthy liver

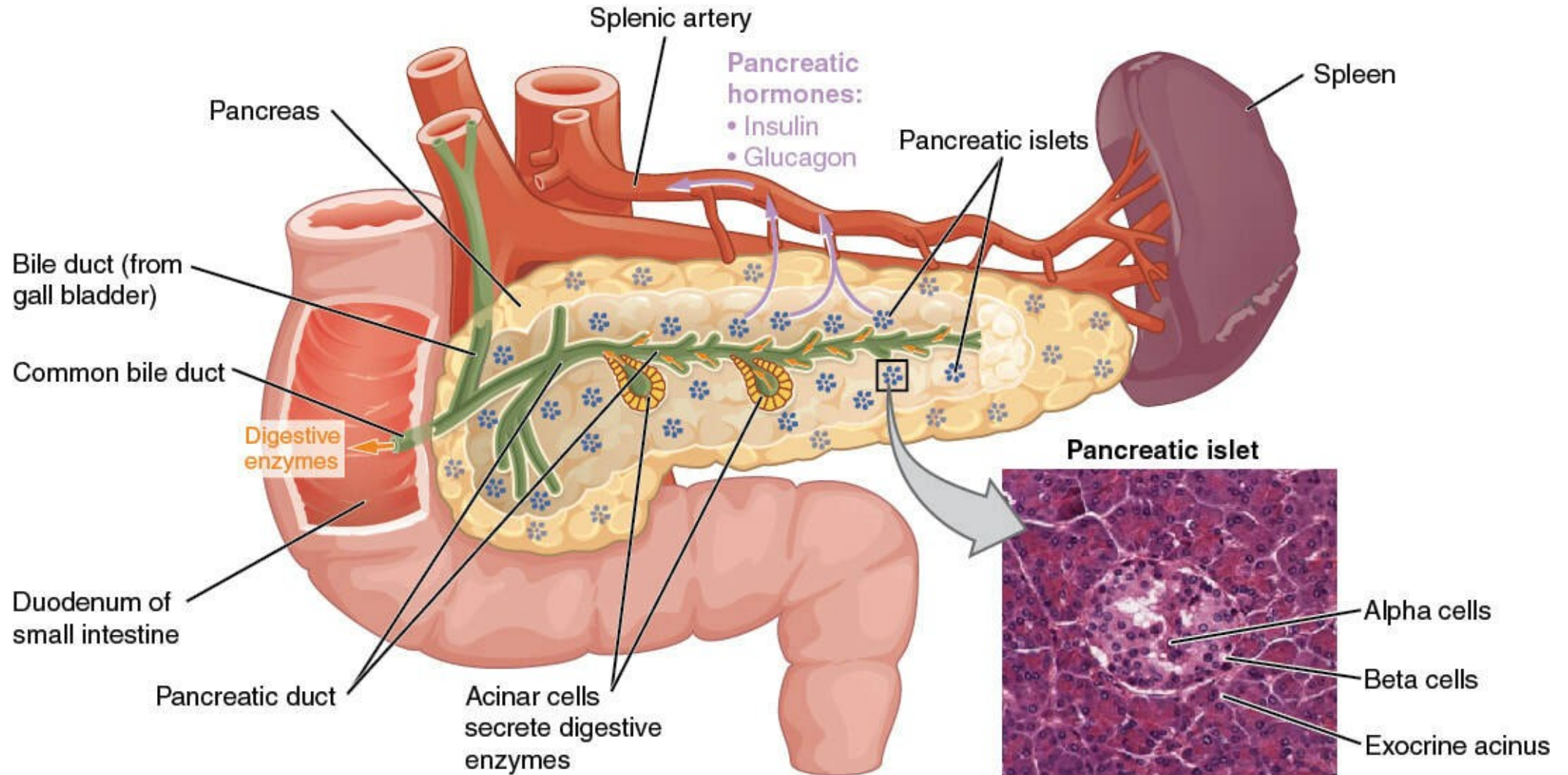


cirrhosis

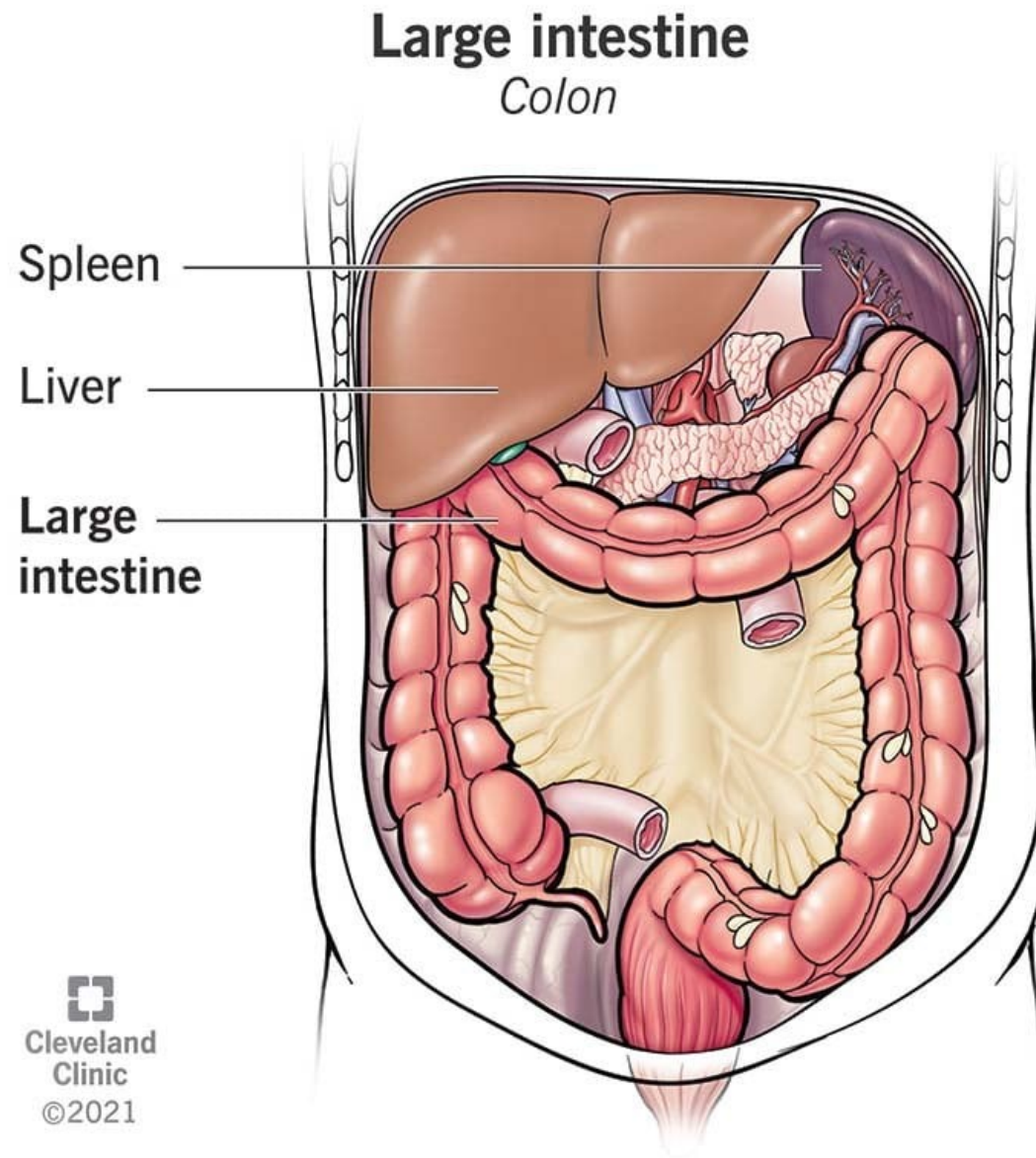
Žlučové cesty



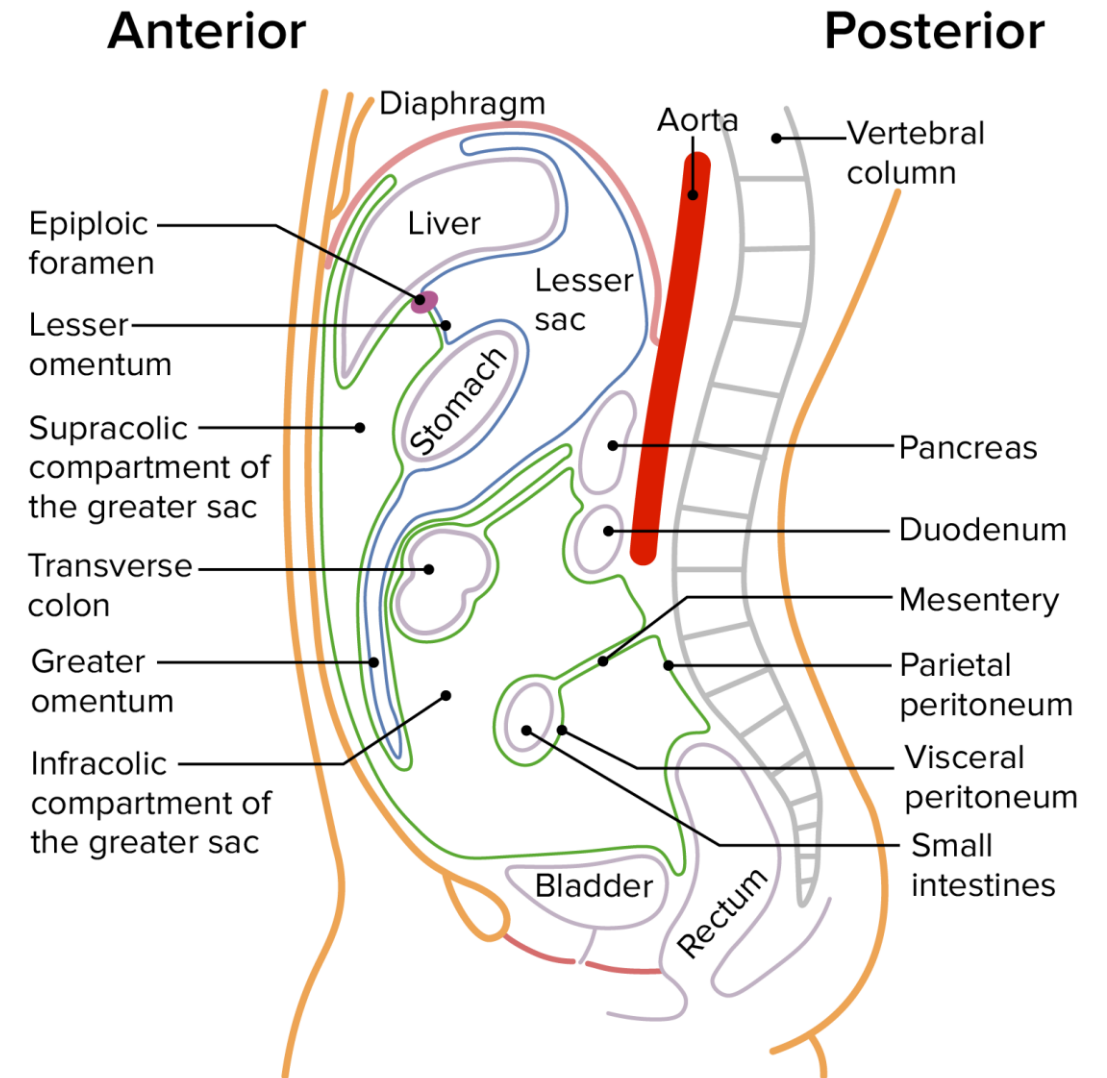
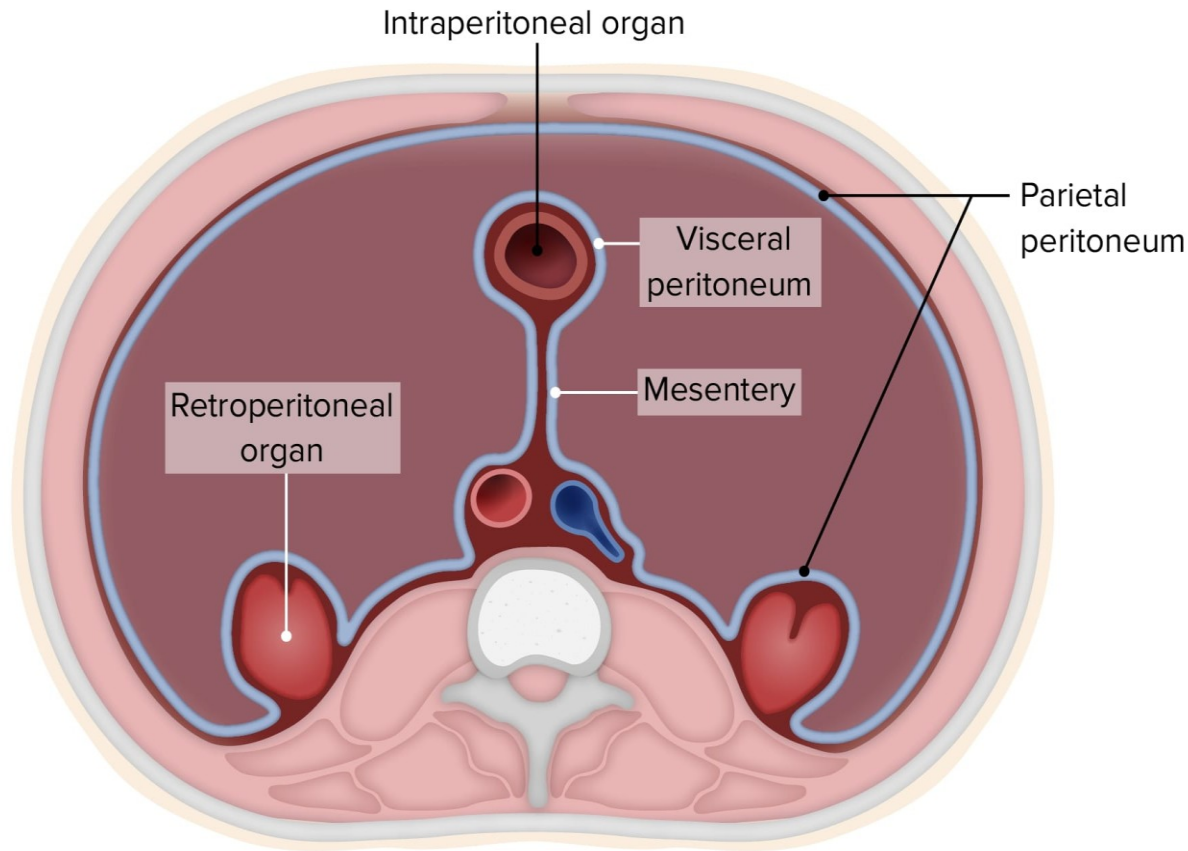
Slinivka břišní, pancreas

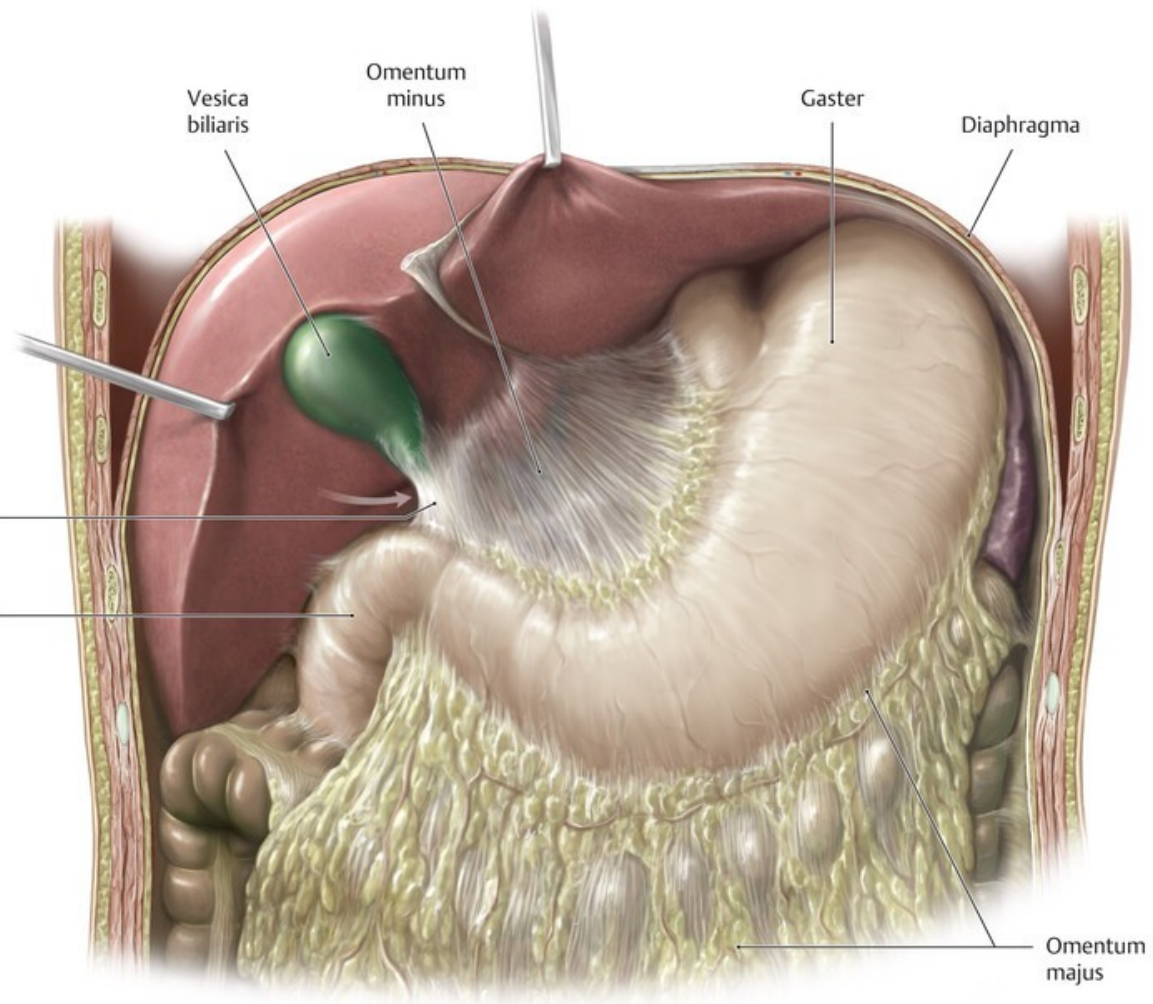
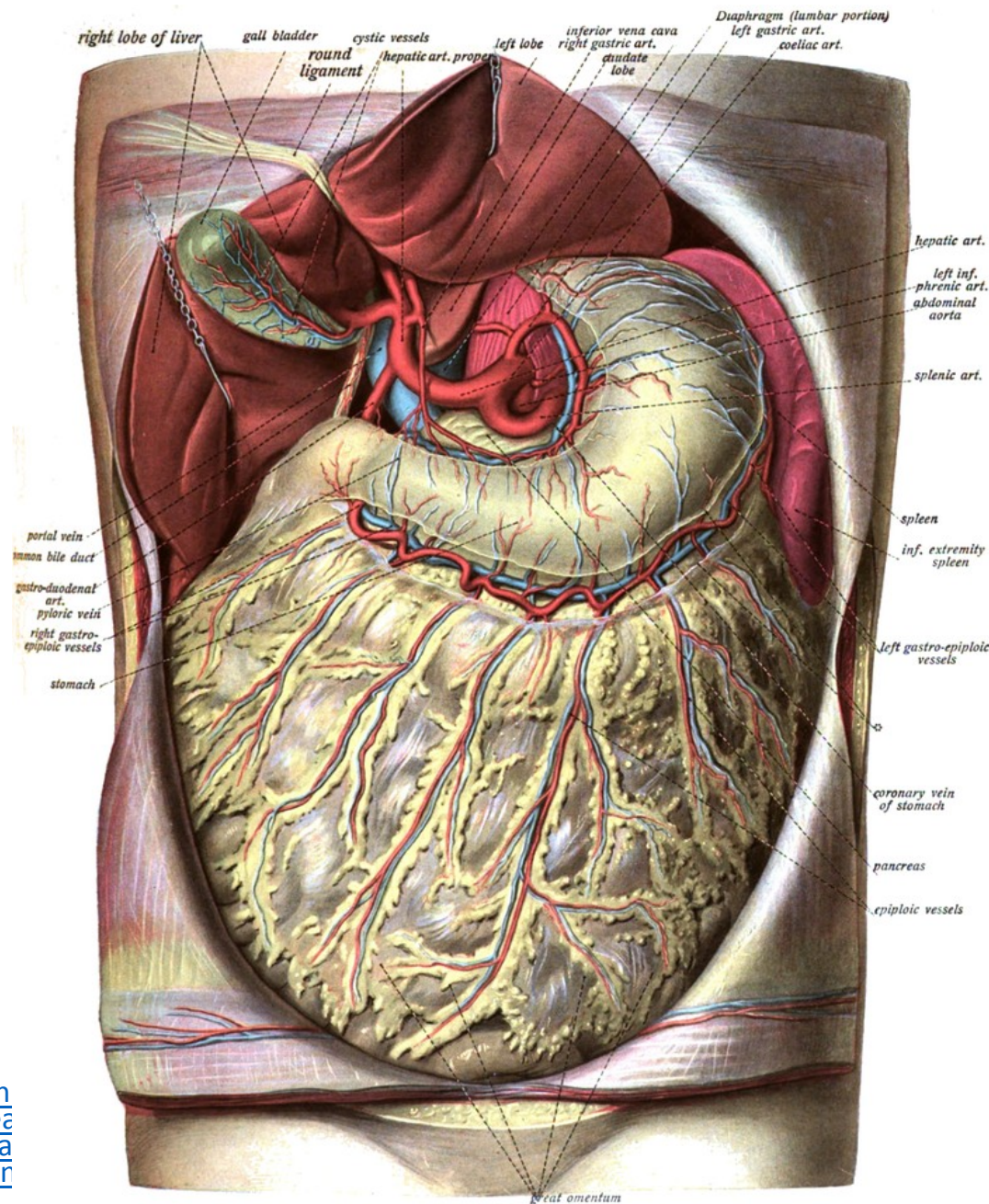


Střeva

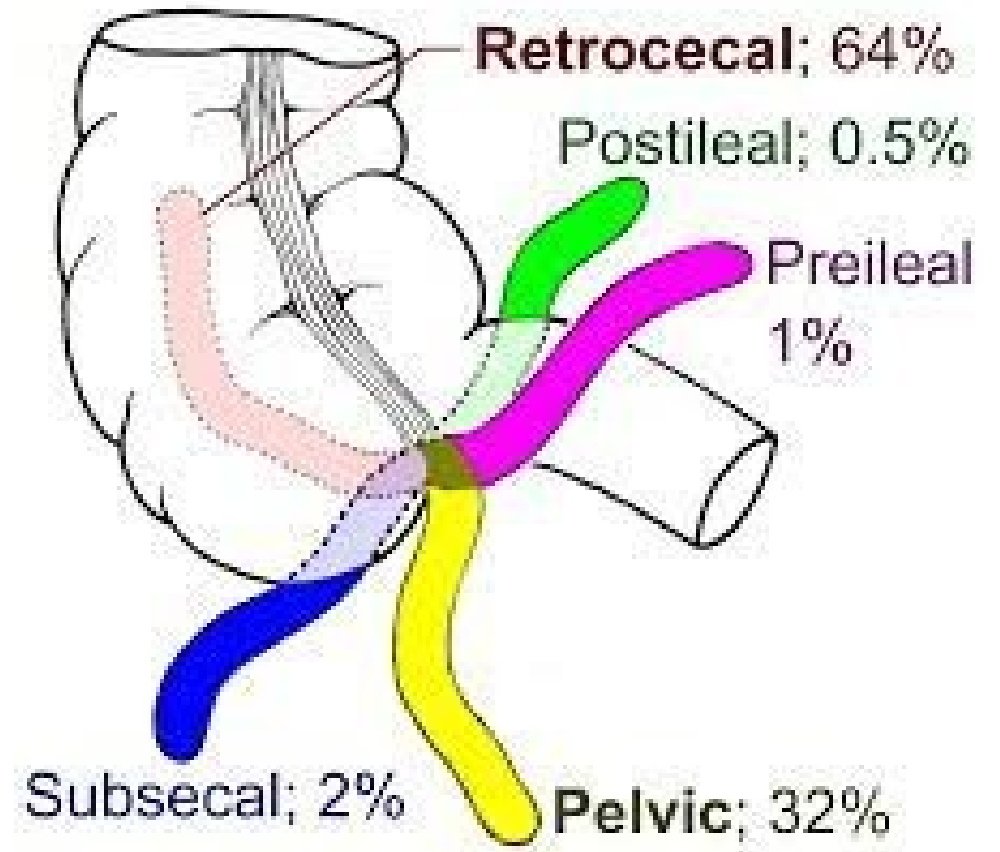
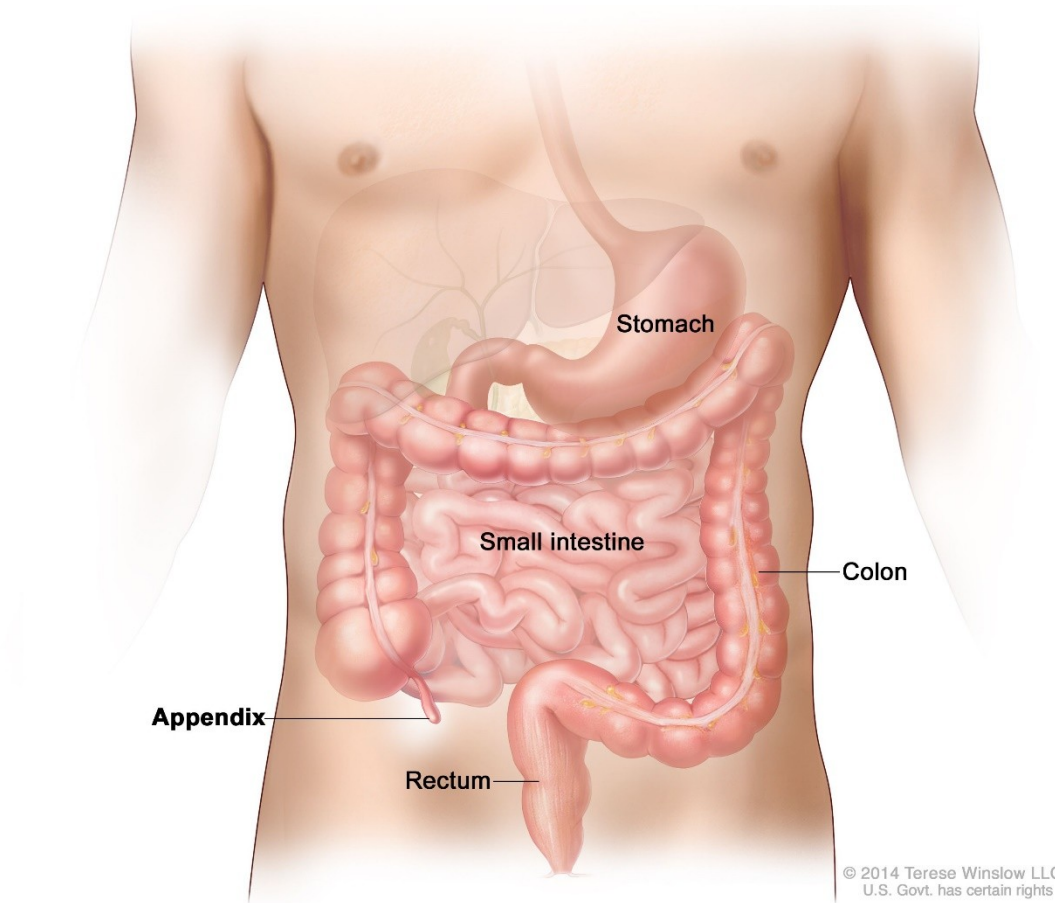


Peritoneum



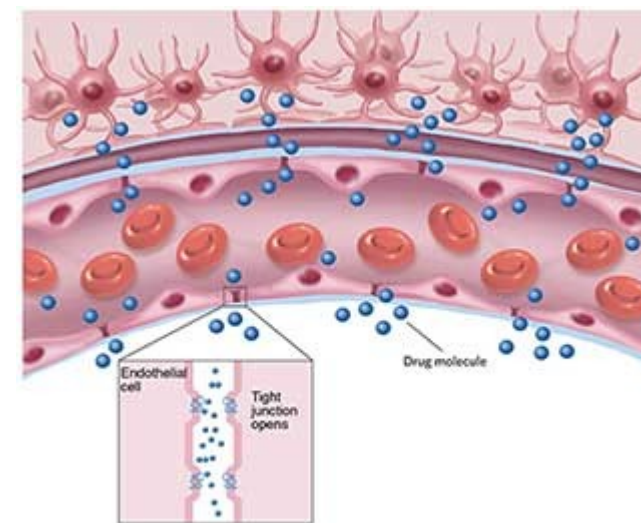
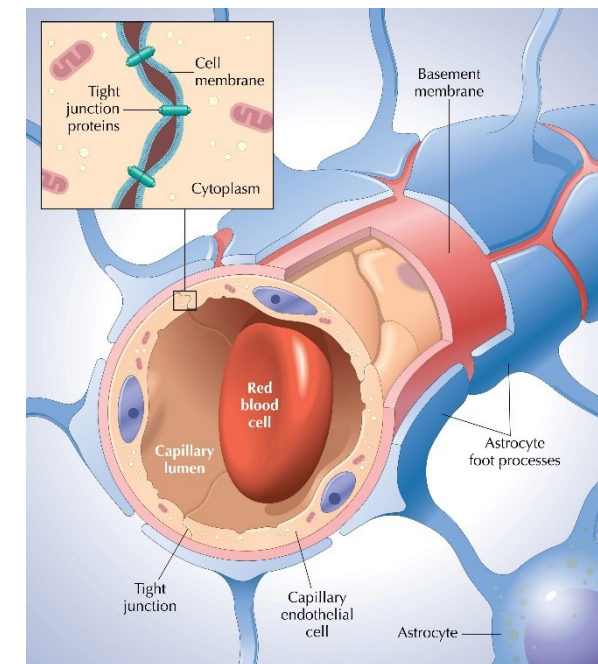
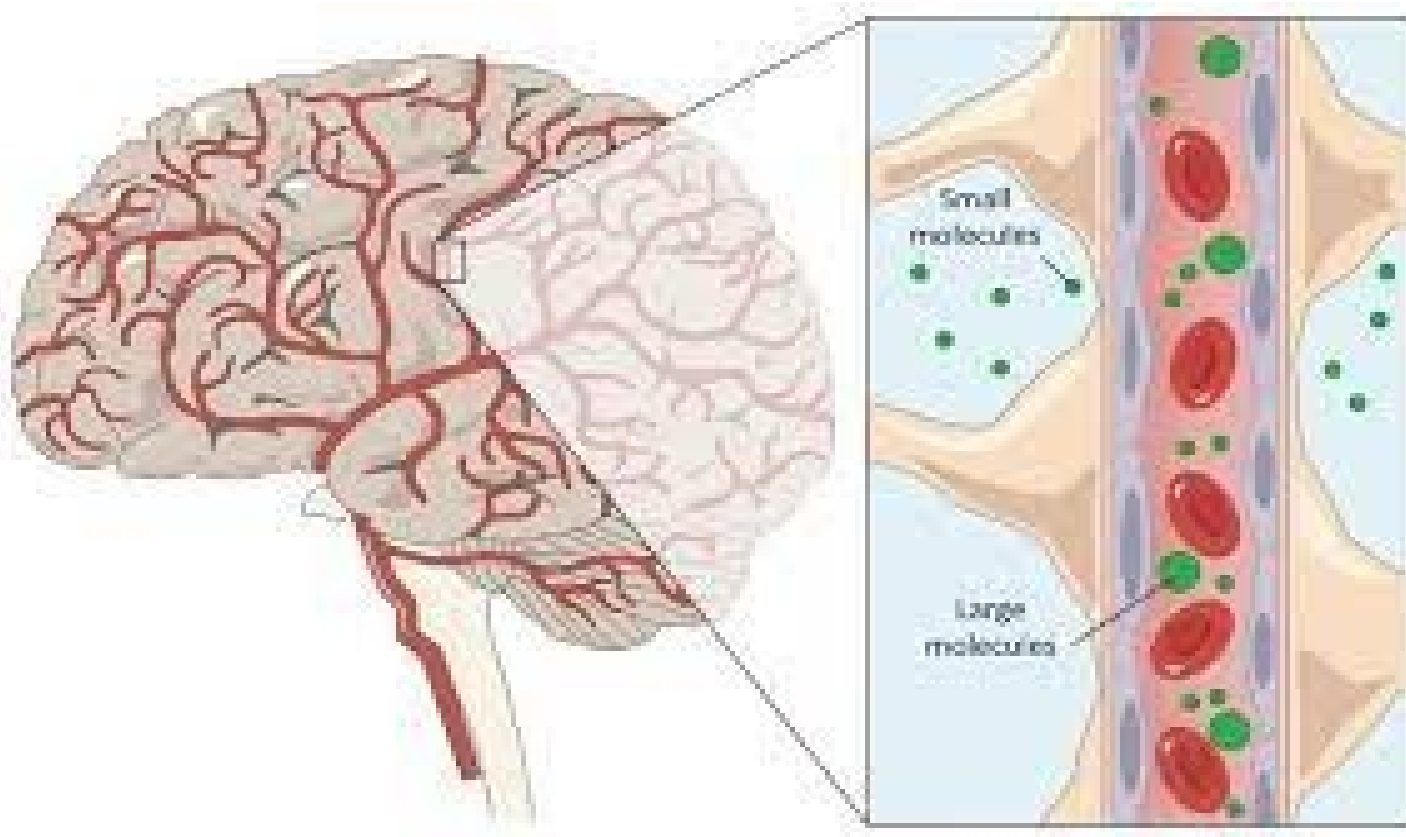


Appendix



Hematoencefalická bariéra

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



https://www.google.com/search?q=hematoencephalic+barrier&tbm=isch&ved=2ahUKEwjkhLTb-cz7AhUOtKQKHYYwAI4Q2-cCegQIABAA&oeq=hematoencephalic&gs_lcp=CgNpbWcQARgAMgUIABCABDIECAAQHjIECAAQHjIECAAQHjIHCAAQgAAQGD0GCAAQBxAgOgQIABBD0ggIABCABBCxAzoGCAAQBRAeUP8KWLmZYPFGaABwAHgAgAftiAHLCS1BBDEzLjSYAQcQAQgQAQnd3Mtd2l6LWltZ8ABAQ&scilnt=img&ei=mJqCY-TYDI7okgWG4YjwBQ&bih=241&biw=615&rlz=1C1CHBF_enCZ924CZ924&hl=cs#imgsrc=hXA8pztExr9FLM