

MUNI MED



Introduction to the anatomy Axial skeleton

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Doctors without anatomy are like moles.
They work in the dark and the work of their hands are mounds.

prof. Tiedemann: Heidelberg, 1781–1861



Rooms

Seminary rooms S 1-5 (red floor)



Study room – red floor



Dissection rooms P 1-3 (blue floor)

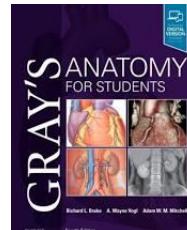
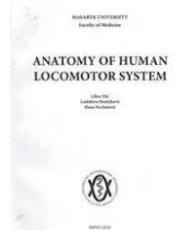


Bone room – lending of bones

Mo 10.00 – 17.00
Tue 10.00 – 16.00
Wed 8.00 – 15.00
Th 8.30 – 16.00
Fri 8.30 – 14.00

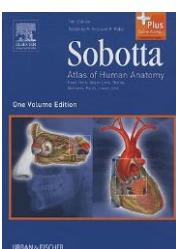
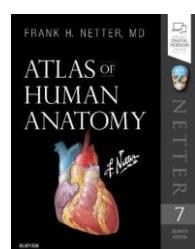
Every single hour

Textbooks

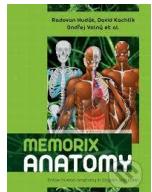
<https://ezdroje.muni.cz/prehled/zdroj.php?lang=cs&id=333>

Atlases

Other sources





Applications - 3D atlases, quizzes

Seminars

Labcoat
Shoecovers
Probes (tweezer)
Lock for the locker

Anatomical nomenclature

Vesalius (1542), Basilius (1895) BNA, Jenna (1935) INA, Parisian (1955) PNA, NA, TA

- approximately 5640 words derived from latin, greek or arabian
- Each structure has valid international name
- Description of position and relations used in medical records, articles etc.

Anatomical structure (latine) – substantive in nominative,
adjectives
genitive – structure of location
antonyms (major-minor, superior-inferior)

Example:
Collum anatomicum humeri - Anatomical head of humerus
Arteria carotis externa – External carotid artery

Anatomical orientation

Anatomical position

Surface planes

Directions:

Longitudinal axis:
• Cranial (superior)
• Caudal (inferior)

Transverse axis:
• Medial
• Lateral
• Medius
• Medianus
• Dexter
• Sinister

Sagittal axis:
• Ventral (anterior)
• Dorsal (posterior)
• Internus (profundus)
• Externus (superficial)

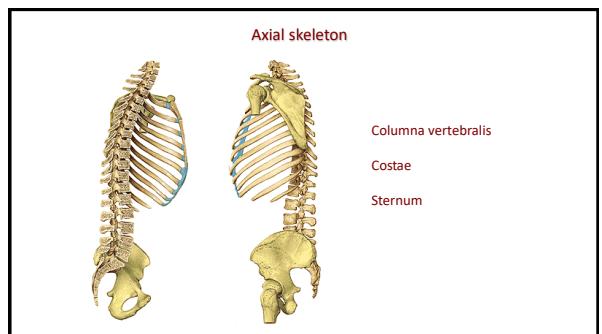
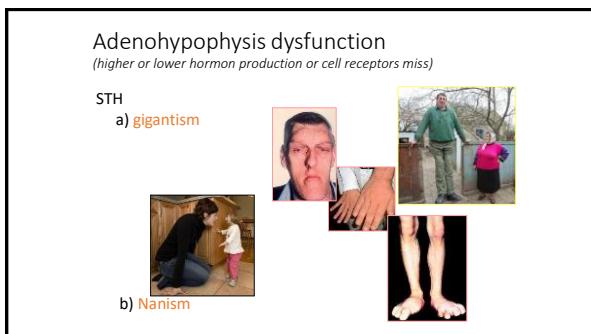
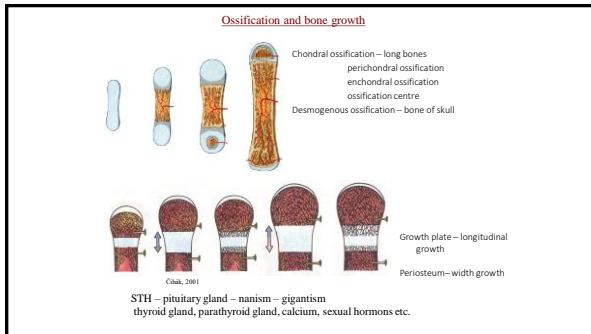
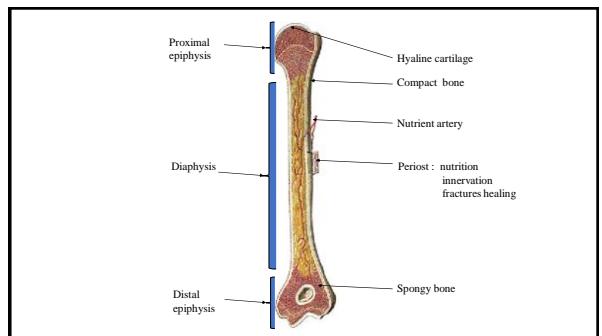
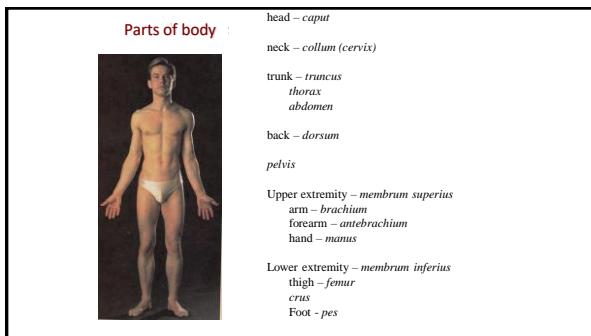
<http://www.anatomieka.com/anatomy-physiology/anatomical-position-directions-planes/>

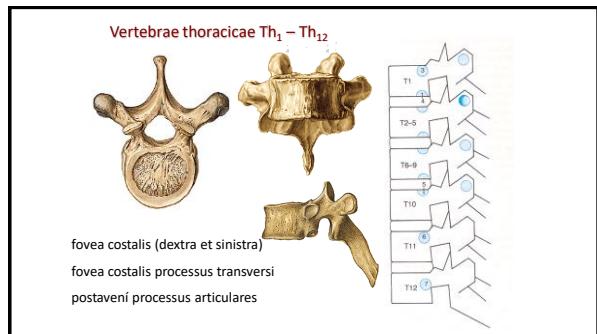
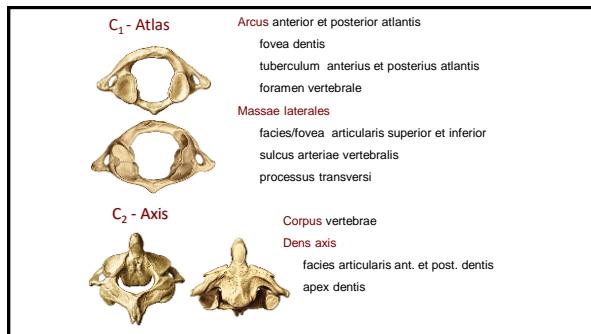
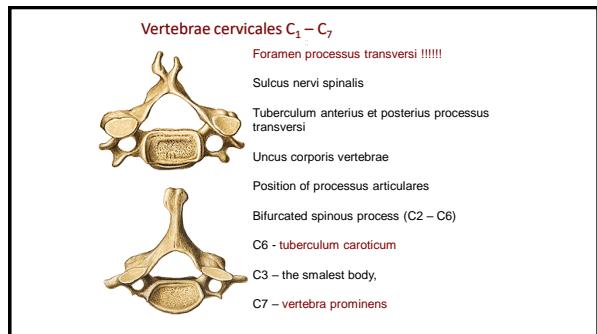
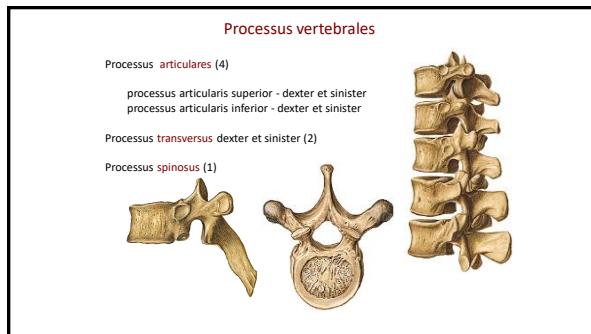
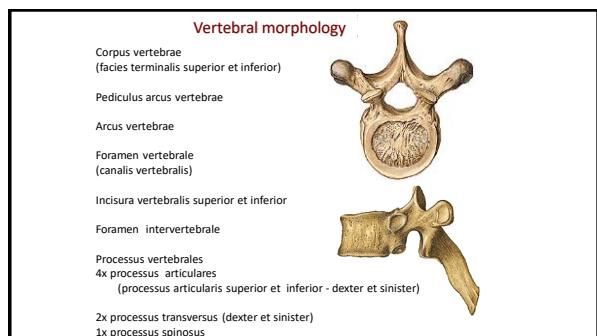
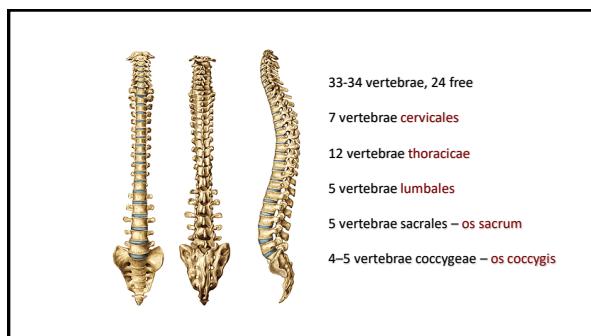
Extremities:
Proximal
Distal

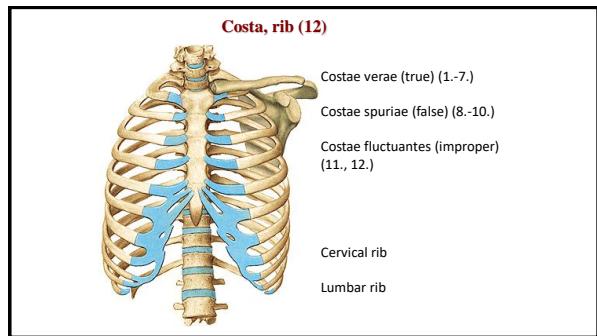
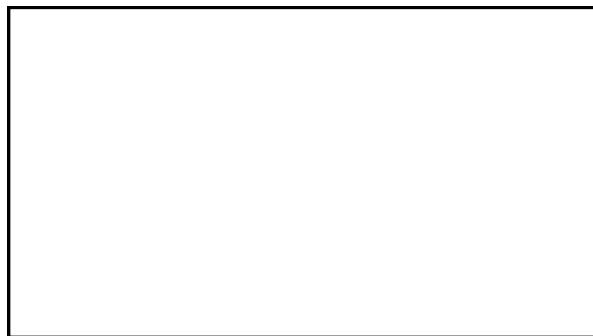
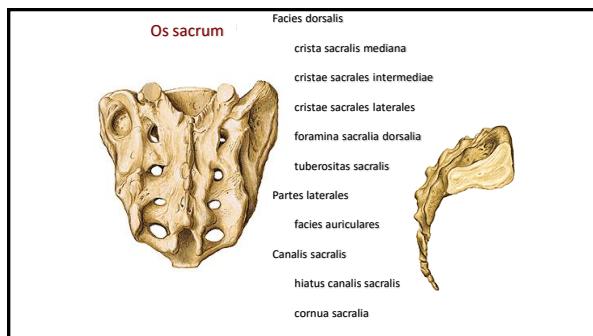
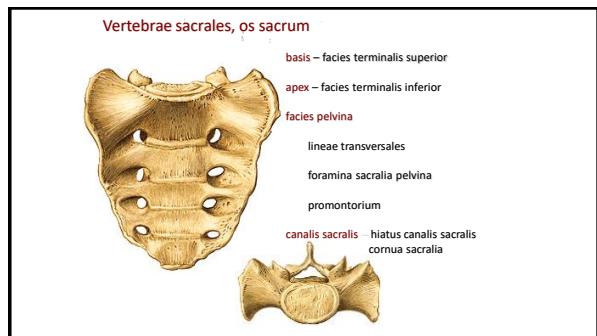
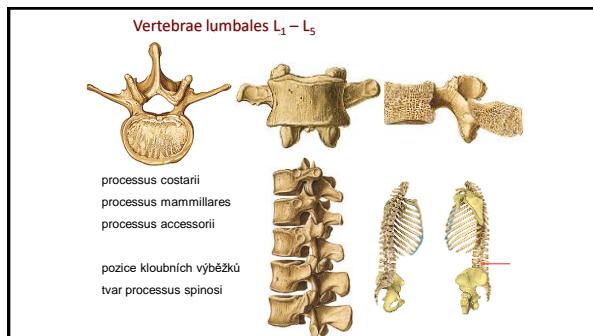
Upper limb:
Radial (lateral)
Ulnar (medial)
Palmar
Dorsal

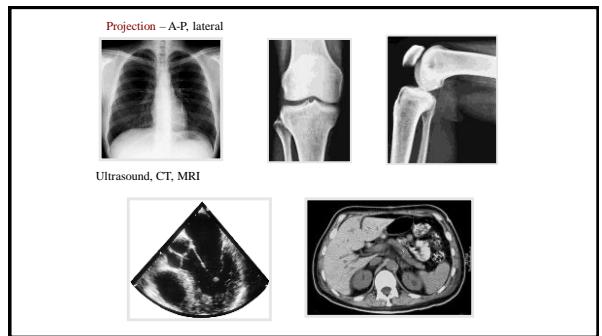
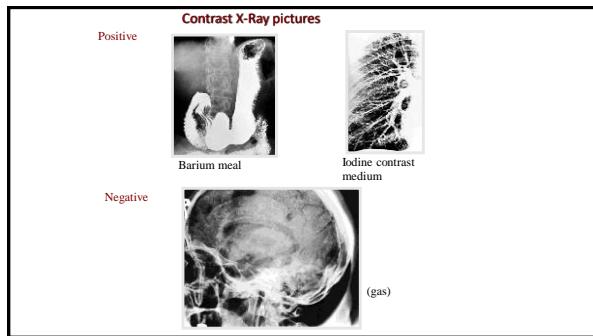
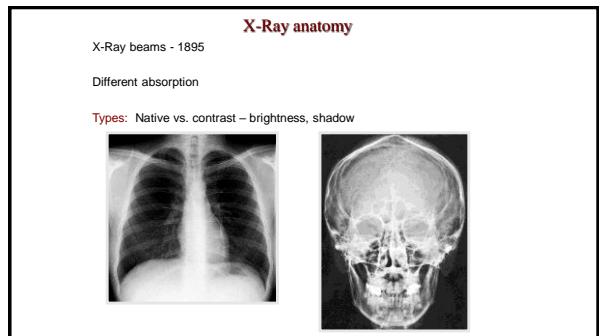
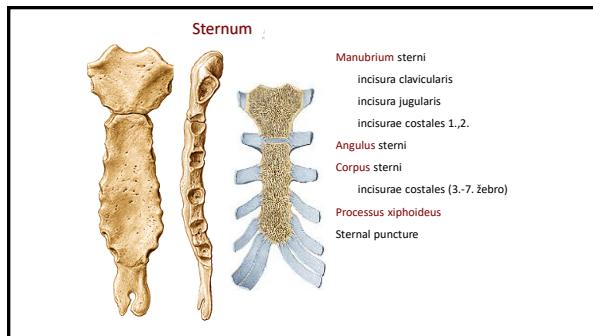
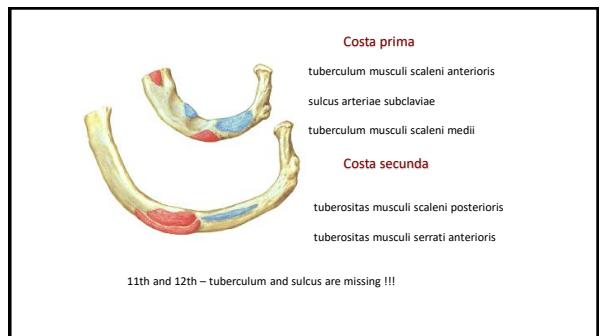
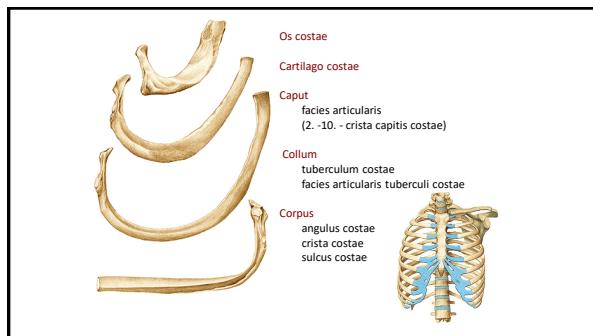
Lower limb:
Tibial (medial)
Fibular (lateral)
Plantar
Dorsal

Císař, 2001











References

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Atlas of Human Anatomy Sobotta. Elsevier Books.
- [Keith L. Moore, Arthur F. Dalley \(2005\):](#)
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- [Platzer, W., Kahle, W., Leonhardt H. \(1992\):](#)
Locomotor system. Georg Thieme Verlag, Stuttgart, New York, 4th edition.
- [Činák, R. \(1987\):](#) Anatomie 1. Avicenum, Zdravotnické nakladatelství.