

Anatomy

Winter semester syllabus - lectures 2022/2023

GENERAL EMDICINE and DENTAL MEDICINE

1. **General anatomy 1** (4th October 2022, As. Moztarzadeh)
 - a. History of the Anatomy, anatomical nomenclature, orientation on human body
 - b. The conception of the Anatomy subject, study materials, study platforms,
2. **General anatomy 1** (6th October 2022, prof. Ferda)
 - a. General anatomy of musculoskeletal system – osteology, arthrology, myology
 - b. E-lecture: general anatomy of metabolic systems
 - c. E-lecture: general anatomy – integumen, skin, adnexal skin organs
3. **Upper extremity 1** (11th October 2022, prof. Ferda)
 - a. Shoulder girdle, axilla, arm
 - b. Elbow, wrist , hand
 - c. E-lecture: skeleton and muscles of the upper extremity
 - d. E-lecture: general anatomy of vascular and nervous systems
4. **Upper extremity 2** (13th lecture 2022, prof. Ferda)
 - a. Muscles of the upper extremity
 - b. Vessels and nerves of the upper extremity
 - c. E-lecture: clinically important topography of the upper extremity - axilla, cuital rgion and carpal channel
5. **Back** (18th October 2022, prof. Ferda)
 - a. Back – general concept, vertebra, vertebral column
 - b. Muscular groups of the back, spinal channel
 - c. E-lecture – muscles of the back
6. **Lower extremity 1** (20th October 2022, prof. Ferda)
 - a. Pelvic girdle, hip joint, thigh, knee
 - b. Crural region, ankle, tarsal region, foor
 - c. E-lecture – bones and muscles of th lower extremity
7. **Lower extremity 2** (25th October 2022, prof. Ferda)
 - a. Lower extremity groups of muscles
 - b. Vessels and nerves of the lower extremity
 - c. E-lecture – clinically important topography of the lower extremity – trigonum femorale, regio poplitealis, canalis tarsalis
8. **Head and neck 1** (27th řijna 2022, prof. Ferda)
 - a. General concept, structures and organs of head and neck
 - b. Skull, cephalometry, development of the cranium, neonatal cranium

- c. E-lecture: Anatomical aspects of the development of face, oral cavity, pharynx and larynx

9. Head and neck 2 (*1st November 2022, prof. Ferda*)

- a. Neurocranium, splanchnocranium
- b. Basis cranii
- c. E-lecture: anatomy of neurocranium and splanchnocranium in clinical practice

10. Head and neck 3 (*3rd November 2022, prof. Ferda*)

- a. Vessels and lymphatic system of head and neck
- b. Nerves of head and neck, cranial nerves
- c. E-lecture: blood, lymphatic and nervous supply of head and neck in clinical supply

11. Head and neck 4 (*8th November 2022, prof. Ferda*)

- a. Soft tissues of head and neck, groups of muscles, vessels and nerves
- b. Scalp, galea aponeurotica, meningeal spaces
- c. E-lecture: meningeal spaces in clinical practice

12. Head and neck 5 (*10th November 2022, As. Moztarzadeh*)

- a. Mandible, maxilla, temporomandibulární kloub
- b. Dentition its development, vascular and nervous supply of jaws
- c. E-lecture: vascular and nervous supply of teeth in clinical practice

13. Head and neck 6 (*15. November 2022, prof. Ferda*)

- a. Orbit, the eyeball, optic nerve
- b. Muscles in the orbit, eyelids, lacrimal system
- c. E-lecture: clinically important aspects of the orbit anatomy and the anatomy of the eyeball

14. Head and neck 7 (*22nd November 2022, prof. Ferda*)

- a. Temporal bone
- b. Outer, middle and inner ear, pharyngotympanic
- c. E-lecture: clinically important aspects of temporal bone anatomy

15. Head and neck 8 (*24th November 2022, As. Moztarzadeh*)

- a. Oral cavity, hard and soft palate
- b. Salivary glands, oral cavity nerves
- c. E-lecture: parasympathetic ganglia of head and neck

16. Head and neck 9 (*30th November 2022, As. Moztarzadeh*)

- a. Tongue, suprahyoid and infrahyoid muscles
- b. Vessels and nerves of the tongue and suprahyoid and infrahyoid muscles
- c. E-lectures: regions of head and neck

17. Head and neck 10 (*1st December 2022, As. Moztarzadeh*)

- a. Fossa infratemporalis and fossa pterygopalatina

- b. Important spaces of the neck
- c. E-lecture: spaces of the head and neck in clinical practice

18. Larynx, chest 1 (6th December 2022, prof. Ferda)

- a. Larynx, cartilages, their junctions, laryngeal muscles, nerves and vessels
- b. trachea, bronchi, lungs
- c. E-přednáška: topography of the lung hilus

19. Chest 2 (8th December 2022, prof. Ferda)

- a. Heart, general concept, pericardial sac, cardiac cavities
- b. Valvular system of the heart, cardiac skeleton, conductive system
- c. E-lecture: auscultation points, leads in electrocardiography, chest X-ray

20. Chest 3 (13th December 2022, prof. Ferda)

- a. Coronary circulation, cardiac nerves
- b. Thoracic aorta, pulmonary artery, thoracic veins
- c. E-lecture: fetal circulation and clinical consequences

21. Chest 4 (15th December 2022, prof. Ferda)

- a. Chest wall, pleural cavity
- b. Mediastinum, general concept and topography, thoracic lymphatic system
- c. E-lecture: anatomy of the mediastinum, chest wall and pleural cavity in clinical practice

22. Chest 5 (20th December 2022, prof. Ferda)

- a. E-lecture thyroid gland, parathyroid glands, thymus
- b. E-lecture: anatomy of blood and lymph flow in the thorax
- c. E-lecture: anatomy of the breathing in clinical practice

23. The general credit test 1st term (3rd January 2023, prof. Ferda)

24. The general credit test 2nd term (5. January 2023, prof. Ferda)

21st September 2022

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