



# PROGRAM REALIZACJI ZAJĘĆ

Schedule for anatomy classes.

## Przedmiot: ANATOMIA PRAWIDŁOWA

Human anatomy

Tematyka ćwiczeń.

Kierunek: LEKARSKI - semestr letni - moduł 7/7

Field of study: Faculty of medicine - spring semester - part 7/7

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### LOWER LIMB

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#### LABORATORY CLASSES 1

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Wet lab classes with PBL and SGD (Classes will be conducted at the *Collegium Anatomicum*. Wet preparations.

Classes implemented using VR, *Anatome* and the „inverted spotters” method).

1. Muscles of pelvic girdle- topographic division- detailed information about their attachments, innervation and function
  - Iliopsoas (psoas major and ilacus)
  - Gluteal muscles
2. Iliotibial tract
3. Muscles influencing on movements of the hip joint
4. Greater and lesser sciatic foramina
  - Boundaries
  - Contents
5. Lumbar plexus
  - Roots
  - Localization
  - Nerves- origin, course and range of innervation
    - Iliohypogastric and ilioinguinal nerves
    - Genitofemoral nerve
    - Lateral cutaneous nerve of thigh
    - Femoral nerve and saphenous nerve
    - Obturator nerve
6. Sacral plexus.
  - Roots
  - Localization
  - Nerves- origin, course and range of innervation
    - Short branches
    - Gluteal nerves
    - Sciatic nerve
    - Posterior cutaneous nerve of thigh
7. Cutaneous innervation of buttock
  - Clunial nerves
8. Iliac arteries
  - Common iliac artery
  - External iliac artery and its branches
  - Internal iliac artery
  - Gluteal arteries
  - Internal pudendal artery
  - Obturator artery
9. Obturator canal
10. Femoral sheath
  - Location
  - Contents

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 LABORATORY CLASSES 2
 

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Wet lab classes with PBL and SGD (Classes will be conducted at the *Collegium Anatomicum*. Wet preparations.  
Classes implemented using VR, *Anatome* and the „inverted spotters“ method).

1. Muscles of thigh- topographic division- detailed information about their attachments, innervation and function
  - Anterior compartment (quadriceps femoris and sartorius)
  - Medial compartment (adductors)
  - Posterior compartment (hamstrings)
2. Fascia lata
  - Intermuscular septa
  - Cribriform fascia.
3. Femoral canal
  - Femoral ring
  - Boundaries and contents
  - Saphenous opening
4. Nerves innervating thigh muscles
  - Femoral nerve
  - Obturator nerve
  - Sciatic nerve.
5. Cutaneous innervation of buttock
  - Clunial nerves
6. Cutaneous innervation of thigh.
7. Femoral triangle
  - Boundaries and contents.
8. Adductor canal
  - Boundaries and contents
9. Popliteal fossa
  - Boundaries and contents
10. Tarsal tunnel (space behind the medial malleolus)
  - Contents
11. Femoral artery
  - Origin
  - Course
  - Place of taking pulse
  - Branches
12. Popliteal artery
  - Origin
  - Course
  - Place of taking pulse
  - Branches

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 LABORATORY CLASSES 3
 

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Wet lab classes with PBL and SGD (Classes will be conducted at the *Collegium Anatomicum*. Wet preparations.  
Classes implemented using VR, *Anatome* and the „inverted spotters“ method).

1. Muscles of leg topographic division- detailed information about their attachments, innervation and function
  - Anterior compartment (tibialis anterior, extensor digitorum longus, extensor hallucis longus and fibularis tertius)
  - Lateral compartment (fibularis longus, fibularis brevis)
  - Posterior compartment (gastrocnemius, soleus, plantaris, tibialis posterior, flexor digitorum longus, flexor hallucis longus)
2. Crural fascia.
3. Muscles influencing on movements of the hip, knee, ankle and subtalar joint.
4. Radiological visualization of iliac, and femoral arteries in angiographic examinations and section of thigh and leg in NMR examinations
5. Tarsal tunnel - boundaries, contents, clinical significance (taking pulse of posterior tibial artery)
6. Tendons and digital sheaths (synovial and fibrous) of extrinsic foot (leg) muscles (flexors and extensors)

7. Retinacula of crural fascia
8. Fibular nerves- origin, course, potential places of injury, range of innervation
  - Common fibular nerve
  - Superficial fibular nerve
  - Deep fibular nerve
  - Tibial nerve- origin, course, range of innervation
9. Arteries of leg- origin, course, branches, range of blood supply, taking pulse
  - Anterior tibial artery
  - Posterior tibial artery.

#### LABORATORY CLASSES 4

Wet lab classes with PBL and SGD (Classes will be conducted at the *Collegium Anatomicum*. Wet preparations. Classes implemented using VR, *Anatome* and the „inverted spotters“ method).

1. Muscles of foot- topographic division- general information about their attachments, innervation and function
  - Muscles of foot dorsum
  - Muscles of foot sole
2. Nerves of foot
3. Cutaneous innervation of leg and foot
4. Arteries of foot- origin, course, branches, range of blood supply, taking pulse
  - Arteries of foot dorsum
    - Arcuate artery
    - Dorsalis pedis artery
  - Arteries of foot sole
    - Plantar arteries and plantar arch
5. Veins of lower limb
  - Deep veins of the lower limb: deep veins of foot, tibial veins, popliteal vein, femoral vein, iliac veins
  - Superficial veins of the lower limb: superficial veins of foot, great saphenous vein, small saphenous vein
  - Perforating veins
6. Lymphatic system of lower limb
  - Superficial lymphatic vessels and nodes (superficial inguinal lymph nodes)
  - Deep lymphatic vessels and nodes (popliteal, deep inguinal, iliac lymph nodes)
7. Radiological visualization of leg and foot arteries, veins and lymphatics of lower limb in angiographic examinations and section of leg and foot in NMR examinations

#### LABORATORY CLASSES 5

Wet lab classes with PBL and SGD (Classes will be conducted at the *Collegium Anatomicum*. Wet preparations. Classes implemented using VR, *Anatome* and the „inverted spotters“ method).

1. Clinical anatomy.
- 2. REVIEW -LOWER LIMB**

#### CREDIT 7

Credit: **LOWER LIMB**- SPOTTERS / inverted spotters  
 Credit: **LOWER LIMB** - SCQ / MCQ

MCQ - Multiple Choice Question  
 SCQ - Single Choice Question