

EU Osteology 2016/2017

Data

Detailed Topics

2016-10-04

General terms. Axial skeleton.

General anatomy:

- a) anatomical terminology,
- b) terms of relation and direction,
- c) parts and regions of human body.

Bones and joints - general terms.

Axial skeleton:

- a) vertebral column:
 - *cervical vertebrae*,
 - *thoracic vertebrae*,
 - *lumbar vertebrae*,
 - *sacrum*,
 - *coccyx*,
 - *joints of vertebral column*.

2016-10-07

Thoracic cage. Bones of shoulder girdle.

Axial skeleton:

- a) thoracic cage:
 - *ribs*,
 - *sternum*,
 - *joints of thoracic cage*.

Bones and joints of upper limb:

- a) shoulder girdle:
 - *scapula*,
 - *clavicle*,
 - *joints of shoulder girdle*
- b) a) arm:
 - *humerus*,
 - *shoulder joint*,
 - Clinical anatomy of the axial skeleton:

2016-10-11

Bones of upper limb.

Bones and joints of upper limb:

- a) forearm:
 - *ulna*,
 - *radius*,
 - *elbow joint, interosseous membrane of forearm, distal radio-ulnar joint*,
- b) hand:
 - *carpal bones*,
 - *metacarpal bones*,
 - *phalanges*,
 - *joints of hand*
- Clinical anatomy of the upper limb skeleton:

2016-10-14

Bones of pelvic girdle and femur.

Bones and joints of lower limb:

- a) pelvic girdle:
 - *hip bone*,
 - *joints of pelvic girdle*,
- b) dimensions of pelvis.
- c) thigh:
 - *femur*,
 - *patella*,
 - *hip joint*

2016-10-18

Bones of lower limb.

Bones and joints of upper limb:

- a) leg:
 - *tibia*,
 - *fibula*,
 - *knee joint, tibiofibular joint, interosseous membrane of leg, ankle joint*,
- b) foot:
 - *tarsal bones*,
 - *metatarsal bones*,
 - *phalanges*,
 - *joints of foot*

- Clinical anatomy of the lower limb skeleton:

2016-10-21 **PRACTICAL**

2016-10-25 **RETAKE of: Osteology**

Back and upper limb.

Data Detailed Topics
2016-10-28 **Spinal nerve. Back. Shoulder girdle. Arm.**

Spinal nerve.

Regions of back and upper limb.

Back:

- a) muscles and fasciae,
- b) arteries, veins, lymphatic nodes and vessels,
- c) innervations.

Shoulder girdle:

- a) muscles and fasciae,
- b) arteries, veins, lymphatic nodes and vessels,
- c) innervations, brachial plexus,
- d) axilla.

Arm:

- a) muscles and fasciae,
- b) arteries, veins, lymphatic nodes and vessels,
- c) innervations.

2016-11-04 **Forearm. Hand.**

Forearm. Hand.

Forearm:

- a) muscles and fasciae,
- b) arteries, veins, lymphatic nodes and vessels,
- c) innervations.

Hand:

- a) muscles and fasciae,
- b) tendinous sheaths,
- c) arteries, veins, lymphatic nodes and vessels,
- d) innervations.
- e) Carpal tunnel, tendinous chiasma.

Radiological anatomy of the back and upper limb:

- a) ultrasonography, X-ray pictures, CT-scans, MR-images.

2016-11-08 **CREDIT Back and upper limb.**

2016-11-18 **RETAKE of: Back and upper limb.**

1st RETAKE:

Lower limb.

Data Detailed Topics
2016-11-15 **Pelvic girdle. Thigh.**

Regions of lower limb.

Pelvic girdle:

- a) muscles and fasciae,
- b) arteries, veins, lymphatic nodes and vessels,
- c) innervations, lumbo-sacral plexus,

Thigh:

- a) muscles and fasciae,
- b) arteries, veins, lymphatic nodes and vessels,
- c) innervations,
- d) muscular space, vascular space, femoral canal, femoral trigonum, adductor canal, popliteal fossa.

2016-11-22 **Leg. Foot.**

Leg:

- a) muscles and fasciae,
- b) arteries, veins, lymphatic nodes and vessels,
- c) innervations.

Foot :

- a) muscles and fasciae,
- b) tendinous sheaths,
- c) arteries, veins, lymphatic nodes and vessels,
- d) innervations,
- e) medial malleolar canal, lateral malleolar canal.

Radiological anatomy of the lower limb:

- a) ultrasonography, X-ray pictures, CT-scans, MR-images.

2016-11-25 **CREDIT Lower limb.**

2016-11-29

RETAKE of: Lower limb.

2016-11-28 **Test I - during the lectures**

2016-12-12
Test 1st retake – during lecture

2016-12-19
Test 2nd retake – during lecture

2016-12-02

Thoracic wall, Thoracic cavity, Lungs, Pleura
Thoracic wall

Thorax. Regions of thorax, topographical lines of thorax. Muscles of thorax, diaphragm. Thoracic nerves, intercostals nerves, sympathetic trunk, visceral plexus and ganglia. Breast. Lymphatic nodes and vessels of breast & thoracic wall. X-ray, CT, MR imaging of the thorax. Thoracic cavity, lungs, pleura, pleural cavity. Thoracic cavity. Parietal pleura & visceral pleura, pleural cavity. Lungs, bronchopulmonary segments, trachea, bronchi. Arteries, veins, lymphatic nodes and vessels of thorax. Topographical elements of thorax. Anatomical aspects of physical examination (percussion, auscultation). X-ray, CT, MR imaging of the thorax.

2016-12-06

Heart

Heart. Right & left atrium. Right & left ventricle. Valves & orifices of the heart. Endocardium. Myocardium. Conducting system of heart. Pericardium & pericardial cavity. Vessels & nerves of the heart. Topographical elements of the heart. Selected problems of cardiology. X-ray, CT, MR imaging of the thorax.

2016-12-09

Mediastinum

Mediastinum. Mediastinum superior, inferior: anterior, middle, posterior. Oesophagus. Thymus. Ascending part of aorta, arch of aorta, thoracic part of aorta. Azygos vein, hemiazygos vein & accessory hemiazygos vein.

Vagus nerve (CN X). Phrenic nerve. Sympathetic trunk - thoracic part. Blood supply of mediastinum: arteries & veins.
Lymphatic trunks, ducts, nodes and vessels of thorax.
X-ray, CT, MR imaging, ANGIO-CT of the thorax.

2016-12-13

PRACTICAL Thorax.

Practical

Recognition and correct naming of 20 anatomical details/specimens including 4 scans (MRI, CT, Xray). Every correct answer is two points.

2016-12-16

Students who didn't pass in first attempt mandatory practical labs.

2016-12-20

Retake - Thorax

2017-01-10

Abdomen - abdominal wall. Peritoneum & progression of perineum
Abdominal regions & planes. Muscles, fasciae, vessels & nerves of the abdominal wall.
Topographical elements of the abdominal wall. Rectus sheath. Inguinal canal. Inguinal triangle. Weak places, inguinal, umbilical, lumbar hernia & hernia of linea alba.
Progression of perineum & gastrointestinal tract. Peritoneal cavity. Recesses, fossae and folds of the peritoneal cavity. Greater & lesser omentum, omental bursa. Preperitoneal space.

2017-01-13

Anatomy of superior part of digestive system - an overview. Supracolic part of the abdominal cavity. Oral cavity, teeth, pharynx, oesophagus.
Supracolic part of the abdominal cavity. Stomach. Areas of stomach relation. Duodenum.
Pancreas. Liver & areas of liver relation. Portal circulation & proper circulation of the liver.
Gallbladder & the extra- & intrahepatic biliary tracts. Spleen. Celiac trunk. Cystohepatic triangle

2017-01-17

Infracolic part of the abdominal cavity. Small & large intestine. Mesentery. Vessels of the infracolic part of the abdomen. Autonomic innervations of the abdomen.
McBurney's point, Lanz point.
Topographical elements.
Retroperitoneal space. Abdominal part of aorta. Superior & inferior mesenteric artery. Inferior vena cava. Abdominal visceral lymph nodes & vessels.
Abdomen - methods of imaging of the digestive tract.
X-ray, CT, MR imaging, ANGIO-CT, USG of the abdomen.

2017-01-20

Retroperitoneal space part 2 Urinary organs & tracts. Pelvis: muscles & spaces of pelvis

Urinary organs:

- kidney,

- ureter,

- urinary bladder.

Suprarenal gland.

Pelvic diaphragm & muscles of urogenital triangle.

Superficial & deep perineal space.

Pelvic & perineum fascia.

Abdominal part of aorta.

Suprarenal arteries.

Renal arteries.

Inferior vena cava.

Rectum & anus - walls, muscle, vessels & nerves.

Topographical elements of pelvis.

Perineal region.

Arteries, veins, lymphatic nodes and vessels of pelvis.

Lymphatic trunks and ducts.

Autonomic innervations of the pelvis.

Male genital organs

Male genital system.

Male internal genital organs: testis, epididymis, ductus deferens, seminal vesicle, spermatic cord, prostate, bulbo-urethral gland. Descent of the testes.

Male external genitalia: scrotum, male urethra, penis, perineum. Erection, ejaculation, coitus.

Nerves, arteries, veins, lymphatic nodes & vessels of male genital organs.

X-ray, CT, MR imaging, ANGIO-CT, USG of the pelvis

2017-01-24

Female genital organs

Female genital system.

Female internal genital organs: ovary, uterine tube, uterus, vagina. Epoöphoron, paraoöphoron.

Female external genital organs: pudendum, clitoris, female urethra.

Ligaments of uterus.

Nerves, arteries, veins, lymphatic nodes & vessels of female genital organs.

Topographical elements of pelvis.

X-ray, CT, MR imaging, ANGIO-CT, USG of the pelvis.

2017-01-27

CREDIT: Abdomen & Pelvis

Practical

Recognition and correct naming of 20 anatomical details/specimens including 4 scans (MRI, CT, Xray). Every correct answer is two points.

2017-01-31 – 2017-02-03

Retakes – Schedule