

TOPIC LIST FOR CLINICAL ANATOMY

(written test in moodle)

HYPERTENSION

The most prevalent risk factor of global mortality
The prevalence of high blood pressure in the Western countries
The threshold of high blood pressure in Europe by home blood pressure monitoring
BP variability types
Reasons for measuring more than 20/10 mmHg BP difference between the arms
The most frequent form of thoracic outlet syndrome
Paget-Schroetter syndrome
The types of non-endocrine secondary hypertension
Renovascular stenosis

ANGIOGRAPHY

Who is the angiographic puncture technique named after?
In case of coughing up blood, which blood supply area is the most commonly implicated?
What is the most effective way to test bronchial arteries?
In the case of subclavian steal, in which artery does the flow reverse?
How is the puncture site selected for angiography?
Which diagnostic methods can replace angiography?
Which blood vessels are connected by the pancreatico-duodenal arcade (or lesser arc of Riolo)?
Which vessels are connected by the (greater) arc of Riolo?

THORAX

Landmarks on the ventral surface of the trunk
Bony structures limiting the superior inlet to the thorax
Planes and levels in the thorax
Position of the nipple
Layers to be penetrated in thoracocentesis
Types of pneumothorax
"Triangle of safety" in chest drain
Separation of the two pleural cavities
Heart sounds
Pericardiocentesis

MAMMA

Structures limiting the sub (*retro-*)mammary space
Tissue composition changes within the mammary gland with ageing
Montgomery glands
Cutaneous nerves implicated in axillary block dissection
Malignous tumor locations of the breast
Radical mastectomies according to Halsted and Patey
Elongation/growth of lactiferous ducts (hormones)
Clinical (metabolic) relevance of high prolactin levels during pregnancy and breastfeeding
Cellular procedures during involution of the mammary gland (when the breastfeeding)

DENTISTRY

What is the difference between the anatomical and clinical crowns of a tooth?
What does heterodontia mean?
Which tooth has the longest root?
What is a diastema?
Structures present in both the peri-implant and/or peridental space

ENT

What innervates the tympanic membrane?

What could decrease the width of the bony external acoustic meatus?

Cochlear implant (placement)

DRUGS OF ABUSE

How does drug dependence develop?

Select the drugs of abuse

Which dopaminergic pathway (system) is implicated in reward mechanism?

Which of the following drugs acts via Na⁺ ion channels?

ORTHOPEDICS

Which diseases belong to the field of Orthopedics?

What causes club foot?

Which muscle is implicated in congenital torticollis?

What is the consequence of the presence of the omovertebral bridge?

What is the positive effect of wearing the Pavlik harness in case of congenital hip dislocation?

The most frequent secondary neuromuscular symptoms of cerebral palsy

NEONATOLOGY

How long is the neonatal period?

Classification of the neonates according to gestational age.

How long is lanugo present?

What is the vernix?

Typical posture of a term infant (see the table/picture)

What is the amniotic fluid?

What causes oligohydramnios?

What is the function of the surfactant?

What are the clinical signs of a respiratory distress?

How does the pulmonary perfusion change immediately after delivery?

NEUROLOGY

Elements of the peripheral nerves

Connective tissue layers surrounding a nerve fascicle

The ratio of fascicles versus connective tissue elements

Main types of peripheral nerve damage

Main symptoms of peripheral nerve damage

Perineurial barrier function

Which cells play a crucial role in axon regeneration?

Proximal and distal lesions in the peripheral nerves

The carpal tunnel syndrome

Terms in segmental innervation (dermatome, myotome)

C8-Th1 segmental damage

Segmental damage at L5

ASSISTED REPRODUCTION

Definition for infertility

Prevalence of infertility at 20-24 years of the age

Etiology of female infertility

Types of ovulatory infertility

Reasons for anatomical infertility in females

Pretesticular causes for male infertility

Testicular causes for male infertility

Histerosalpingography (HSG)

Normal spermiogram

Azoospermia, oligospermia, etc. (see table)

Forms of assisted reproduction (in the broad sense)

Source of therapeutical urogonadotropins

Which endocrine centres/glands may be implicated in the hormonal treatment of anovulatory infertility?

When was the 1st test tube baby born (i.e., the 1st successful IVF procedure done)?

What does ICSI stand for?

Indications of preimplantation genetic diagnosis

Success rate of IVF

ANAESTHESIOLOGY

Who was the first to perform a spinal block?

Sites of peripheral nerve blockades

The use of ultrasound guidance in regional anaesthesia

The benefit of using ultrasound guided regional anaesthesia in pregnant patients

Peripheral veins used for cannulation

Central veins used for cannulation

Anatomical spaces used for the cannulation central veins, venous puncture sites (pictures)

What is the target system of general anaesthesia?

What is the result of general anaesthesia in the body?

SURGERY

TBA