

HANDOUT 5 – SS 2017

A) Greek roots denoting physiological/pathological states and processes

<i>genitive stem (nom. sg. in brackets)</i>	<i>English equivalent</i>	<i>example</i>	<i>Explain the meaning of the terms</i>
-aesthesia	to feel, perceive	<i>anaesthesia</i> <i>dysaesthesia</i>	
-algia	pain	<i>cephalalgia</i>	
-genes	originating from sth	<i>sinusitis odontogenes</i> <i>toxicosis exogenes</i>	
-genesis	development	<i>odontogenesis</i>	
-lithiasis	stones	<i>nephrolithiasis</i>	
-lysis	relaxation, decomposition	<i>spasmolysis</i>	
-malacia	abnormal softening, loss of tissues consistency	<i>myelomalacia</i>	
-odynia	pain	<i>mastodynia</i>	
-omatosis	formation of multiple tumours	<i>osteomatosis</i>	
-paresis	weakness of voluntary movement	<i>hemiparesis</i>	
-pathia	unspecified pathology	<i>psychopathia</i>	
-penia	lack, shortage of sth	<i>leucocytopenia</i>	

HANDOUT 5 – SS 2017

-phobia	fear of sth	<i>claustrophobia</i>	
-plasia	formation, development	<i>hyperplasia</i>	
-plegia	total paralysis	<i>gastroplegia</i>	
-pnoe (pnein)	breathing	<i>eupnoe</i> <i>dyspnoe</i> <i>apnoe</i>	
-ptosis	prolapsed organ/body part, downward displacement	<i>metroptosis</i>	
-rrhagia	bleeding	<i>enterorrhagia</i>	
-rrhoea	flow, discharge	<i>pyorrhoea</i> <i>otorrhoea</i>	
-schisis	cleft, division	<i>cheilognathoschisis</i>	
-spasmus	spasm	<i>bronchospasmus</i>	
-stasis/-stasia	standing, stopping of sth	<i>astasia</i> <i>venostasis</i>	
-tensio	blood pressure	<i>hypertensio</i>	
-ton-	tension, pressure	<i>hypertonia</i> <i>hypotonia</i>	
troph-	nutrition, development	<i>eutrophia</i> <i>dystrophia</i> <i>atrophia</i>	

HANDOUT 5 – SS 2017

B) Greek roots denoting medical interventions and examinations

<i>genitive stem (nom. sg. in brackets)</i>	<i>English translation</i>	<i>example</i>	<i>Explain the meaning of the terms</i>
-anastomosis ¹	connecting two parts of sth	<i>ileorecteanastomosis</i>	
-ectomy	excision, removal	<i>cholecystectomy</i>	
-graphy	recording, image of	<i>hystero-graphy</i>	
-metry	measurement of	<i>pupillometry</i>	
-plasty	plastic surgery	<i>otoplasty</i>	
-rrhaphy	surgical suturing of	<i>cheilorrhaphy</i>	
-scopy	examination, inspection	<i>ophthalmoscopy</i>	
-stomy	making an opening	<i>tracheostomy</i>	
-therapy	treatment of sth	<i>chemotherapy</i>	
-tomy	incision, cutting into	<i>tympanotomy</i>	

¹ The term anastomosis is also used for a pathological state of an abnormal connection between two body parts, esp. passages, cavities, or vessels. In this sense, it is also called *fistula*.

HANDOUT 5 – SS 2017

EXERCISES

1. Find improper pairs:

- angiectomy – vena
- cholecystolithiasis - cellula
- splanchnopathia – vesica
- cholaemia – bilis
- myelorrhagia – medulla
- adenographia – glandula

2. Create terms using the roots and prefixes/suffixes:

<i>meninx</i>	related to meninx (membrane of the brain)
	inflammation of meninges
<i>enteron</i>	related to intestines
	pain in intestines
	stones in intestines
<i>myelos</i>	inflammation of spinal cord
	fissure of the spinal cord tissues
	surgical incision to spinal cord
	pathological softening of spinal cord

3. Analyse the structure of the following terms. Translate the terms:

Example: *hypoglycaemia*: hypo-glyc-aem-ia = abnormally low concentration of glucose in blood

compound word	analysis	translation
<i>cephalalgia</i>		
<i>cholecystolithiasis</i>		
<i>myodystrophia</i>		
<i>neuropathia</i>		

HANDOUT 5 – SS 2017

<i>cardiophobia</i>		
<i>palatoschisis</i>		
<i>encephalodysplasia</i>		
<i>hydrorrhoea</i>		
<i>rhinorrhagia</i>		
<i>pancreatolysis</i>		
<i>nephroptosis</i>		
<i>pyodermatitis</i>		
<i>hypopyrexia</i>		
<i>haemostasis</i>		

4. Give the one-word medical terms to the English definitions/equivalents:

- bleeding from the stomach
- stomach ache
- spasm of the stomach
- downward displacement of the stomach
- inflammation of the stomach
- loss of tone in the stomach musculature
- unspecified disease of the stomach
- paralysis of the stomach

5. Analyze the meaning of medical terms including Greek root odont- (=tooth):

- ODONTALGIA
.....
- PERIODONTITIS
.....
- ODONTOHYPERAESTHESIA
.....
- ODONTOLOGIA
.....
- ODONTOMA
.....
- ODONTOGENESIS
.....

HANDOUT 5 – SS 2017

ODONTOPHOBIA

ODONTOSCOPIA

ODONTECTOMIA

6. Form medical terms using the root *my-o(s)-* (= muscle):

Benign tumor in a smooth muscle

Inflammation of a muscle

Formation of multiple tumors in a smooth muscle

Heart muscle

Muscular tissue in the uterus

(adj.) Referring to the heart muscle

Recording the strength of a muscle contraction

Medical field studying muscles

Removal of a muscular tissue tumour

Surgical incision to a muscle

Plastic surgery to repair a muscle

7. Use expressions in the table to form the defined medical terms:

<i>tomia</i>	<i>ectomia</i>	<i>stomia</i>
<i>graphia</i>	<i>plastica</i>	<i>therapia</i>
<i>stomosis</i>	<i>scopia</i>	<i>metria</i>

- a) _____: measurement of dimensions of the head
- b) _____: treatment of a disease by means of ionizing radiation
- c) _____: surgical formation of an opening through the abdominal wall into the stomach
- d) _____: surgical excision of the gallbladder
- e) _____: endoscopic examination of the colon
- f) _____: surgical repair of a defect of the lip
- ch) _____: surgical incision of the appendix
- g) *Electro-*_____: recording of electrical impulses produced by the brain activity (EEG)
- h) _____: surgical connection of two parts of the intestine