**GREEK COMPOUND WORDS**

**A) Greek names for anatomical structures**

|  |  |  |  |
| --- | --- | --- | --- |
| ***genitive stem***  ***(nom. sg. In***  ***brackets)*** | ***English translation*** | ***example*** | ***English translation*** |
| 1. **aden-**   (aden) | gland | *adenoma* | benign epithelial tumour having a glandular origin and structure |
| 1. **angi-**   (angeion) | vessel | *angiographia* | radiographic visualization of blood  vessels |
| 1. **arthr-**   (arthron) | joint | *arthritis*  *arthrosis*  *synarthrosis* | inflammation of the joint  degenerative disease of the joint  immovable articulation in which the bones are united by intervening fibrous connective tissues |
| 1. **cardi-**   (kardia) | heart | *endocardium*  *pericardium* | inner wall of the heart muscle  sac-like membrane that surrounds the heart |
| 1. **cephal-**   (kefale) | head | *diencephalon*  *metencephalon* | interbrain  posterior part of the brain |
| 1. **cheil-**   (cheilos) | lip | *cheilorrhaphia* | chirurgical suture of the lip |
| 1. **cheir-**   (cheir) | hand | *cheirospasmus* | spasm of hand muscles |
| 1. **chondr-**   (chondros) | cartilage | *perichondrium*  *synchondrosis* | connective tissue membrane around the cartilage  cartilaginous joint between two immovable bones |
| 1. **colp-**   (kolpos) | vagina | *colporrhagia* | vaginal bleeding |
| 1. **cyst-**   (kystis) | bladder | *urocystis*  *cholecystis* | urinary bladder  gall bladder |
| 1. **cyt-**   (kytos) | cell | *erythrocytus*  *leucocytus* | red blood cell  white blood cell |
| 1. **dactyl-**   (daktylos) | finger | *syndactylia* | congenital fusion of fingers/toes |
| 1. **derm-a-t-**   (derma) | skin | *ectoderma*  *entoderma* | the outermost of the three primary cell layers of an embryo  the innermost of the three primary cell layers of an embryo |
| 1. **episi-**   (epision) | pubic region | *episiotomia* | incision of the perineum to avoid tearing during parturition |
| 1. **gloss-/glott-**   (glossa/glotta) | tongue | *glossoschisis* | bifid or cleft tongue |
| 1. **gon-**   (gony) | knee | *gonarthrosis* | degenerative disease of the knee joint |
| 1. **hyster-**   (hystera) | womb | *hysterectomia* | surgical removal of the womb |
| 1. **mast-**   (mastos) | breast | *mastectomia* | surgical removal of the breast |
| 1. **metr-**   (metra) | womb | *endometrium*  *parametrium* | mucous membrane that lines the womb  connective tissue and fat adjacent to the uterus |
| 1. **my-o-**   (mys) | muscle | *myoma* | benign tumour composed of muscle tissue |
| 1. **myel-**   (myelos) | bone marrow, spinal cord | *myelopathia* | disease of bone marrow or the spinal cord |
| 1. **nephr-**   (nefros) | kidney | *nephrolithiasis* | presence of kidney stones in the kidney |
| 1. **neur-**   (neuron) | nerve | *neuritis* | inflammation of the nerve |
| 1. **odont-**   (odus) | tooth | *parodontosis*  *periodontium* | degenerative disease of the tissue adjacent to the tooth  supporting structures of the teeth (including the cement, periodontal ligament, bone of the alveolar process and gums) |
| 1. **om-**   (omos) | shoulder | *omalgia* | pain in the shoulder |
| 1. **oophor-**   (ooforon) | ovary | *oophorectomia* | surgical removal of the ovary |
| 1. **ophthalm**   (ofthalmos) | eye | *ophthalmia* | inflammation of the eye |
| 1. **oste-**   (osteon) | bone | *osteogenesis* | formation and development of bony tissue |
| 1. **ot-**   (us) | ear | *otitis* | inflammation of the ear |
| 1. **phleb-**   (fleps) | vein | *phlebotomia* | surgical incision into the vein |
| 1. **phys-**   (fyesthai) | growth | *apophysis*  *diaphysis* | usually bony projection or protuberance, as on the vertebra  the shaft of a long bone |
| 1. **pneum-/pneumon**   (pneumon) | lung | *pneumonia* | inflammation of lungs |
| 1. **pod-**   (pus) | foot | *podalgia* | pain in the foot |
| 1. **rhin-**   (rhis) | nose | *rhinitis* | inflammation of the nasal mucous membrane |
| 1. **salping-**   (salpinx) | oviduct/  fallopian tube | *salpingorrhaphia* | suture of the fallopian tube |
| 1. **somat-**   (soma) | body | *somaticus* | related to the body |
| 1. **splanchn-**   (splanchnon) | internal organ | *splanchnopathia* | disease of internal organs |
| 1. **spondyl-**   (spondylos) | vertebra | *spondyloschisis* | congenital fissure of the vertebra |
| 1. **stomat-**   (stoma) | mouth | *stomatorrhagia* | bleeding from the mouth |

**B) Greek names for body fluids and other substances**

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| ***genitive stem  (nom. sg. in brackets)*** | ***English translation*** | ***example*** | ***English translation*** |
| 1. **haem-/haemat-/-aem-**   (haima) | blood | *haemorrhagia*  *haematoscopia*  *hyperglycaemia* | bleeding  laboratory examination of the blood  excess of sugar in the blood |
| 1. **hydr-**   (hydor) | water, liquid | *hydrothorax* | excess of serous fluid in the pleural cavity |
| 1. **lip-**   (lipos) | fat | *lipoma* | benign tumour composed of fat cells |
| 1. **lith-**   (lithos) | stone | *cholecystolithos* | gallstone in the gallbladder |
| 1. **py-**   (pyon) | pus | *pyophtalmia* | inflammation of the eye with pus secretion |
| 1. **pyr-**   (pyr) | fire | *hyperpyrexia* | extremely elevated temperature |
| 1. **ur-**   (uron) | urine | *urologia* | branch of medicine dealing with the urinary system |

**C) Greek names for physiological/pathological states and processes**

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| --- | --- | --- | --- |
| ***genitive stem  (nom. sg. in brackets)*** | ***English equivalent*** | ***example*** | ***English equivalent*** |
| 1. **aesth-**   (aisthesis) | to feel, perceive | *anaesthesia*  *dysaesthesia* | loss of pain sensation induced by drugs  disagreeable, atypical sensation |
| 1. **-algia**   (algos) | pain | *cephalalgia* | headache |
| 1. **-lithiasis**   (lithos) | stones | *nephrolithiasis* | presence of kidney stones in the kidney |
| 1. **-lysis**   (lysis) | relaxation, decomposi-tion | *spasmolysis* | relaxation of spasms |
| 1. **-odynia**   (odyne) | pain | *mastodynia* | pain in the breast |
| 1. **-pathia**   (pathos) | unspecified disease | *psychopathia* | any disease of the mind |
| 1. **-penia**   (penia) | lack, shortage | *leucocytopenia* | lack of white blood cells |
| 1. **-phobia**   (fobos) | fear | *claustrophobia* | abnormal fear of being in narrow or enclosed spaces |
| 1. **-plasia**   (plassein) | formation, development | *hyperplasia* | abnormal increase in cells in a tissue or organ |
| 1. **-plegia**   (plege) | paralysis, palsy | *gastroplegia* | paralysis of gastric smooth muscles |
| 1. **-pnoe**   (pnoe) | to breathe | *eupnoe*  *dyspnoe*  *apnoe* | normal breathing  laboured or difficult breathing  transient cessation of breathing |
| 1. **-ptosis**   (ptosis) | falling down | *metroptosis* | downward displacement of the uterus |
| 1. **-rrhagia**   (rhegnynai) | bleeding | *enterorrhagia* | bleeding from the intestine |
| 1. **-rrhoea**   (rhoe) | flow, discharge | *pyorrhoea*  *otorrhoea* | discharge of pus  inflammatory discharge from the ear |
| 1. **-schisis**   (schisis) | cleft, division | *cheiloschisis* | cleft lip |
| 1. **-spasmus**   (spasmos) | spasm | *bronchospasmus* | bronchial spasm |
| 1. **stas**   (stasis) | standing | *astasia*  *venostasis* | inability to stand  abnormal slowing or stoppage of the flow of blood in a vein |
| 1. **ton-**   (tonos) | tension, pressure | *hypertonia*  *hypotonia* | high blood pressure  low blood pressure |
| 1. **-troph-**   (trofe) | to nourish | *eutrophia*  *dystrophia*  *atrophia* | normal/good nutrition  defective/faulty nutrition  decrease in the size of an organ or tissue |

**D) Greek names for quality and quantity features**

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| ***genitive stem  (nom. sg. in brackets)*** | ***English translation*** | ***example*** | ***English translation*** |
| 1. **brady-**   (bradys) | slow | *bradypnoe* | abnormally slow breathing |
| 1. **crypt-**   (kryptos) | hidden | *cryptogenes* | of unknown or obscure origin |
| 1. **di-**   (dis) | twice | *diplegia* | paralysis of the identical part on both sides of the body |
| 1. **erythr-**   (erythros) | red | *erythroderma* | abnormal redness of the skin |
| 1. **-genes**   (gignesthai) | having the origin in something | *haematogenes* | produced by, derived from, or originating in the blood |
| 1. **hemi-**   (hemi-) | half | *hemiplegia* | paralysis affecting only one side of the body |
| 1. **is-**   (isos) | same | *isogenes* | having the same origin |
| 1. **leuc-**   (leukos) | white | *leucoderma* | white patches on the skin due to absence of pigment |
| 1. **macr-**   (makros) | big, long | *macroscopia* | examination with the naked eye |
| 1. **malac-**   (malakos) | soft, tender | *osteomalacia* | softening of bones |
| 1. **megal-**   (megas) | large | *megalocardia* | abnormal enlargement of the heart |
| 1. **melan-**   (melas) | black | *melanoma* | malignant, usually skin tumour composed of melanocytes |
| 1. **micr-**   (mikros) | small | *microscopia* | investigation by use of a microscope |
| 1. **mon-**   (monos) | one | *monoplegia* | paralysis of a single limb |
| 1. **necr-**   (nekros) | dead | *necrosis* | death of living tissue |
| 1. **neo-**   (neos) | new | *neoplasma* | abnormal growth of new tissue such as a tumour |
| 1. **olig-**   (oligos) | rare, not numerous | *oliguria* | diminished urine production |
| 1. **pan-**   (pas) | whole, all | *panplegia* | paralysis of the whole body |
| 1. **poly-**   (polys) | numerous | *polyarthritis* | inflammation of several joints |
| 1. **pseud-**   (pseudes) | false | *pseudoanaemia* | false anaemia |
| 1. **scler-**   (skleros) | hard | *sclerosis* | hardening or thickening of organs, tissues and vessels |
| 1. **tachy-**   (tachys) | rapid | *tachypnoe* | abnormally rapid breathing |
| 1. **therm-**   (thermos) | warm | *hypothermia* | abnormally low body temperature |
| 1. **tetra-**   (tettares) | four | *tetraplegia* | paralysis of all four limbs |
| 1. **tri-**   (treis) | three | *triceps* | having three heads |

**E) Greek names for medical interventions and examinations**

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| --- | --- | --- | --- |
| ***genitive stem  (nom. sg. in brackets)*** | ***English translation*** | ***example*** | ***English translation*** |
| 1. **-ectomia**   (ektome) | excision, removal | *cholecystectomia* | surgical excision of  the gallbladder |
| 1. **-graphia**   (grafein) | recording, image | *hysterographia* | graphic recording of the strength of uterine contractions in labour |
| 1. **-metria**   (metron) | measurement | *pupillometria* | measurement of the diameter or width of the pupil of the eye |
| 1. **-plastica**   (plastike techne) | plastic operation | *otoplastica* | plastic surgery of the ear |
| 1. **-scopia**   (skopein) | examination | *ophthalmoscopia* | examination of the eye by means of the ophthalmoscope |
| 1. **-stomia**   (stoma) | opening | *tracheostomia* | creation of an opening into the trachea through the neck |
| 1. **-therapia**   (therapeia) | therapy | *chemotherapia* | use of chemical agents in the treatment of a disease |
| 1. **-tomia**   (tome) | incision, cutting | *tympanotomia* | incision of the tympanic membrane |

**EXERCISES**

|  |  |
| --- | --- |
| glandula  manus  vagina  labium  digitus  uterus  medulla  auris  nasus  viscera  cartilago  pes | splanchna  cheilos  rhis (rhin-)  chondros  cheir  myelos  dactylos  us (ot-)  aden  pus (pod-)  hystera  kolpos |

**1. Match Latin names for anatomical structures with their corresponding Greek equivalents:**

**2. Give Latin equivalents to the Greek terms:**

mys\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ osteon \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ arthron \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

spondylos \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ gony \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ stoma \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

soma \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ kefale \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ angeion \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

fleps \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ kardia \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ nefros \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

kystis \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ glotta \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ mastos \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

derma \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

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

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| **compound word** | **analysis** | **translation** |
| cephalalgia |  |  |
| cholecystolithiasis |  |  |
| myodystrophia |  |  |
| neuropathia |  |  |
| cardiophobia |  |  |
| palatoschisis |  |  |
| encephalodysplasia |  |  |
| hydrorrhoea |  |  |
| rhinorrhagia |  |  |
| pancreatolysis |  |  |
| nephroptosis |  |  |
| pyodermatitis |  |  |
| hypopyrexia |  |  |
| haemostasis |  |  |

**4. Give Greek terms to the English definitions/equivalents. Use one-word terms only:**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 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. Match the words in the left column with their opposites in the right column:**

|  |  |
| --- | --- |
| brady  leukos  oligos  megalos  skleros  hemi- | melanos  malakos  pan  tachy  poly  mikros |

**6. Form terms from the given words with the corresponding meaning. Do not change the order of the words:**

*erythros + kytos + lysis* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ breaking down of red blood cells

*isos + hydor + haima* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ normal amount of liquids in vessels

*oligos + daktylos* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ presence of fewer than five digits on a hand or foot

*pseudo + tumor*  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ abnormality that resembles a tumour

*poly + neuron + pathos* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ disease of several nerves

**7. Use expressions in the box to form compound words with the corresponding meaning.**

tomia ectomia stomia graphia plastica therapia stomosis scopia metria

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_: measurement of dimensions of the head
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_: treatment of a disease by means of ionizing radiation
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_: surgical formation of an opening through the abdominal wall  into the stomach
4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_: surgical excision of the gallbladder
5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_: endoscopic examination of the colon
6. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_: surgical repair of a defect of the lip

G. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_: surgical incision of the appendix

1. Electro-\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_: recording of electrical impulses produced by the brain  activity (EEG)
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_: surgical connection of two parts of the intestine