

### Analyzing Medical Terms

**Root:** the central meaning of a word. **Ex:** *arthr* itis; arthr meaning joint.

**Suffixes:** always comes at the end of the word. **Ex:** *arthr itis*; itis meaning inflammation of.

**Prefixes:** always at the beginning of the word. **Ex:** *peri* arthritis; peri meaning around.

### The Body's Organization

#### Tissues

**Muscle:** both voluntary and involuntary muscles.

**Connective:** supports the internal structures.

**Nervous:** transmit electrical pulses that control body activity.

**Epithelial:** covers and protects structures by lining body organs.

**Anatomical Position:** standing erect, palms facing forward, arms at sides, and feet parallel pointing forward.

### The Body's Organization

#### Tissues

**Muscle:** both voluntary & involuntary muscles.

**Connective:** supports the internal structures.

**Nervous:** transmit electrical pulses that control parts of the body.

**Epithelial:** covers and protects body structures by lining organs.

**Anatomical Position:** standing erect, palms facing forward with hands at sides, & feet parallel facing forward.

### Word Elements

**Cutane/o** - skin, **cyte, cyt/o** - cell  
**Derm/o** , **dermat/o** - skin  
**Onych/o** - nail **Pil/o** - hair **Seb/o** - sebum (oil, fat) **Sudor/i** - sweat

**Albin/o** - white **Cirrh/o, jaund/o, xanth/o** - yellow **Cyan/o** - blue **Epi** - upon **Erythr/o** - red **Fero** - "to carry" **Ichthy/o** - dry, scaly

**Kerat/o** - hornlike **Melan/o** - black **Myc/o** - fungus **Scler/o** - hardening **Sub** - below **Xer/o** - dry

**algia** - pain **Amphi** - both sides  
**Ankyl/o** - stiff, fused, closed  
**Arthr/o** - joint **Brachi/o** - arm  
**Calcane/o** - calcaneus, heel bone  
**Carp/o** - wrist **Cervic/o** - neck  
**Cheir/o** - hand **Chondr/o** - cartilage **Cost/o** - rib **Crani/o** - cranium **Dactyl/o** - finger, toe

**desis** - stabilize or fuse **ectomy** - removal of, excision of **Electro/o** - electricity **Femur/o** - femur, thighbone **gram** - written record of **Humer/o** - humerus **-itis** - inflammation **Kinesi/o** - movement **kinesia** - movement **Kyph/o** - hump **logy** - study of **Lord/o** - swayback, curve **Lumb/o** - lower back

**malacia** - softening **My/o** - muscle **Myel/o** - bone marrow **oma** - tumor  
**Orth/o** - correct, straight **Os/te/o** - bone **Ped/o** - foot, child **Pelv/o** - pelvis **Phalang/o** - bones of the finger, and toes **physis** - to grow **plasty** - surgical repair **porosis** - porous **scopy** - to visually examine

### Word Elements (cont)

**Spondyl/o,vertebr/o** - vertebrae  
**Syn** - joined together **Thorac/o** - thorax, chest **Zygo** -joined (yoked) together

### Word Elements

**Fasci/o** - fibrous membrane **Fibr/o** - fiber **Hemi** - half **Ligament/o** - ligament **Muscul/o** - muscle **My/o** - muscle

**Para** - beside, beyond, near  
**paresis** - partial or incomplete paralysis **plegia** - paralysis **Quadri** - four **Sthen/o** - strength **Tend/o** - tendon **Ton/o** - tone

**Arachn/o** spider **Cephal/o** head  
**Cerebell/o** the cerebellum  
**Cerebr/o** the cerebrum **Cortic/o** outer layer or covering  
**Encephal/o** brain **Gangli/o, ganglion/o** ganglia (singular: ganglion) **Gli/o** glue **Hydr/o** water

**Iatro/o** physician: to treat **mania** suffix "morbid attraction to"  
**Meningi/o** a membrane **Ment/o** referring to the mind **mnesia** memory **Myel/o** with nervous system: spinal cord and medulla oblongata **Neur/o** a nerve cell; nervous system **oid** like **paresis** weakness, loss of movement

**phasia** speech **phobia** suffix; morbid or unreasonable fear **plegia** paralyzed **Psych/o** referring to the mind **Schiz/o** to split **Spin/o** referring to the spinal cord

