FOUNDATION OF MEDICAL WORDS

A. Structure

Most medical words are composed of two or more terms. To define a medical word:

- · divide the word into its terms
- · analyze the terms
- · define the word

Examples:

Pericarditis

peri = around; card = heart; itis = inflammation Inflammation around the heart

Oncology

onco = tumor, mass; logy = study of Study of tumors

B. Terms

Term + Term (.....+....) = medical wordThere are five categories of terms:

1. Prefix - beginning of a word

__; post_ (ex., **pre**__

<u>after</u> the term. Designated by a "_

2. Suffix - ending of a word

(ex., ____stomy; _ Designated by a "__

___*itis*)
_" <u>before</u> the term. 3. Root - foundation/base of a word (ex., hepat;

gastr)

4. Combining vowel - vowel (usually "o") added to a root (ex., gastro).

Use a combining vowel when joining:

a. Root to another root (ex., gastrohepatitis)

b. Root to a suffix beginning with a consonant (ex., cardiomegaly)

5. Combining form - root + vowel (ex., hepat/o; gastr/o)

Designated by a "/" between the root and the vowel Examples:

Hyperleukocytosis

hyper (prefix) = excessive

leuko (combining form) = white

cvt (root) = cell

osis (suffix) = condition of

Definition: condition of excessive white blood cells (leukocytes)

Hematotoxic

hemato (combining form) = blood

tox (root) = poison

ic (suffix) = pertaining to

Definition: pertaining to blood poisoning

TIPS:

1. Some terms have more than one definition. To determine the correct definition in a particular medical word, analyze the other terms in the word. Example:

Poliomyelitis

polio = gray (matter)

mvel = spinal cord, bone marrow

itis = inflammation

Definition: Inflammation of the gray matter of the spinal cord. The bone marrow does not have gray matter. 2. Some terms may function as a root/combining

form in one word and a suffix in another word. Classification depends upon the specific medical word.

Examples:

Cytology

cyto (combining form) = cell

logy (suffix) = study of

Definition: Study of cells

Erythrocyte

erythro (combining form) = red

cyte (suffix) = cell Definition: Red blood cell

THE HUMAN BODY

A. Development

Cells - tissues - organs - systems - organism

- 1. Cells: Major Components
- a. Cell membrane
- b. Cytoplasm
- c. Nucleus
- 2. Tissues: Primary Types
- a. Connective
- **b.** Epithelium
- c. Muscle
- d. Nervous
- 3. Organs
- a. Composed of two or more different tissues
- **b.** Have specific functions
- 4. Systems: Related organs with common functions
- **5.Organism:** A living person

B. Cavities

A space containing organs

- 1. Dorsal
- a. Cranial
- b. Vertebral (spinal)

2. Ventral

- a. Abdominal
- b. Pelvic
- c. Thoracic

C. Planes

An imaginary flat surface

- 1. Frontal anterior/posterior
- 2. Sagittal right/left
- 3. Transverse upper/lower

D. Positions

TERMS

A reference point for location or direction.

- 1. Anterior/Ventral front of the body Posterior/Dorsal - back of the body
- 2. Deep away from the surface Superficial on the surface
- 3.Inferior situated below
- **Superior** situated above **4. Lateral** – pertaining to the side
- **5. Medial** pertaining to the middle
- **6. Prone** lying face down Supine - lying face up

acu-	needle	acupuncture
-algia	pain	cephalalgia
anomal/o	irregular	anomaly
anthrop/o	man, human being	anthroposo-
		matology
antr/o	antrum	antrotomy
aque/o	water	aqueous
axi/o	axis	axial
bar/o	weight, pressure	barotaxis
bio-, bi/o	life, living	biogenesis
blast/o, -blast	early embryonic	blastocyte
	stage, immature	
calor/i	heat	calorimetry
carcin/o	cancer	carcinoma
cata-	down, downward	catabiotic
caud/o	tail	caudal
chem/o	chemical,	chemosurgery
	chemistry	
chron/o	time, timing	chronobiology
-coma	deep sleep	semicoma
corpor/o	body	corporeal
cry/o	cold	cryotherapy
cyt/o, -cyte	cell	cytology
dors/o	back	dorsoventral
duct/o	to lead	conduction
dynam/o	power, strength	dynamogenesis
-dynia	pain	gastrodynia

DEFINITIONS

WORDS

equi-	equality, equal	equilibrium
eti/o	cause	etiology
fil/i, fil/o -form	specified shape,	filopressure multiform
-101 111	form	тинуогт
-genesis	production,	neogenesis
	formation	O
ger/o, geront/o	aged, old age	geriatrics
gymn/o	naked	gymnophobia
-hexia	condition	cachexia
hist/o hydr/o	water, hydrogen	histoclastic hydrolysis
iatr/o	treatment, physician	iatrogenic
-ician	specialist	clinician
ion/o	ion	ionogram
kary/o	nucleus	karyorrhexis
kel/o	tumor, fibrous growth	keloid
-labile	unstable, perishable	frigolahile
later/o	side	bilateral
-logist	specialist	neurologist
-logy	study of	cardiology
-lucent	light-admitting	radiolucent
lumin/o	light dissolve, loosen	luminescence
ly/o medi/o	middle	lyophilic medial
medic/o	heal, healing	medical
mer/o	part	meromicrosomia
meso-	middle	mesoderm
morph/o	shape, form	dolichomorphic
nom/o	custom, law	nomotopic
nomen- nos/o	name disease	nomenclature nosology
nucle/o	nucleus	nucleoplasm
nutri/o	to nourish	nutrition
-oma	tumor, mass	histocytoma
onc/o	tumor, mass	oncogenesis
organ/o	organ	organomegaly
path/o pharmac/o	disease drugs	pathogenic pharmacology
pharmac/o physi/o	nature	physiologist
-plasm	formation, growth	neoplasm
-poiesis	formation	cytopoiesis
prote/o	protein	proteolysis
psamm/o	sand, sand-like	psammoma
-puncture	material to pierce a surface	vanimmetuva
pyr/o	fire, fever, heat	venipuncture pyrogen
pyret/o	fever	pyretogenic
sanit/a	health	sanitarian
scirrh/o	hard	scirrhoma
somat/o	body	somatoscopy
-some spectr/o	body image, spectrum	chromosome spectrocolorimeter
system/o	system	systematic systematic
techn/o	art, skill	technology
temp/o,	time, the temples	tempostabile
tempor/o		
the/o	a god	theotherapy
-therapy, therapeut/o	treatment	therapeutics
therm/o	heat	thermometer
-tumescence,	swelling	detumescence
tumesc/o	Ü	
-type, typ/o	class, representative	somatotype
vontula	form	nontuol at av al
ventr/o	belly, front of the body	ventrolateral
-verse	turn	transverse
vir/o	virus	virologist
viscer/o	internal organs	visceromegaly
vit/o	life	vitamin .
zyg/o	union, junction	zygogenesis

QuickStudy.

A. DIRECTIONAL TE	TERMINOLOGY SETS		
ab-	away from		
ad-	toward, near		
ambi-	around, on both sides		
amphi- ana-	around, on both sides upward, backward		
ante-	before, forward		
anter/o	front		
anti-	against		
apo-	away, separation		
cata-	down, downward		
circum-	around		
contra-	against, opposite		
dextr/o dia-	right through, apart		
dis-	apart, to separate		
ec-, ecto-	outside, out		
en-, endo-	inside, within		
epi-	above, over, upon		
eso-	within		
ex-	out, away from		
exo-	outside of, outward		
extra- fore-	outside before, in front of		
hyper-	above, excessive, beyond		
hypo-	under, deficient, below		
infra-	below, beneath		
inter-	between		
intra-	within		
juxta-	near		
later/o	side		
levo- medi/o	left middle		
meso-	middle		
para-	alongside, near, beyond, abnormal		
per-	through, throughout		
peri-	around, surrounding		
post-	after, behind		
poster/o	behind, towards the back		
pre-	before, in front of before		
pro- proxim/o	near		
retro-	behind, backward		
sinistr/o	left		
sub-	under, beneath		
super-	above, beyond		
supra-	above, beyond		
	distant, end		
tel/e	neross		
trans-	across		
trans-	across		
	across excessive flow		
trans- B. FIVE rrh's			
B. FIVE rrh's -rrhagia, -rrhage -rrhaphy -rrhea	excessive flow		
B. FIVE rrh's -rrhagia, -rrhage -rrhaphy -rrhea -rrhexis	excessive flow suture flow, discharge rupture		
B. FIVE rrh's -rrhagia, -rrhage -rrhaphy -rrhea	excessive flow suture flow, discharge		
B. FIVE rrh's -rrhagia, -rrhage -rrhaphy -rrhea -rrhexis rrhythm/o	excessive flow suture flow, discharge rupture rhythm		
B. FIVE rrh's -rrhagia, -rrhage -rrhaphy -rrhea -rrhexis rrhythm/o C. NUMERICAL VALU	excessive flow suture flow, discharge rupture rhythm		
B. FIVE rrh's -rrhagia, -rrhage -rrhaphy -rrhea -rrhexis rrhythm/o	excessive flow suture flow, discharge rupture rhythm		
B. FIVE rrh's -rrhagia, -rrhage -rrhaphy -rrhea -rrhexis rrhythm/o C. NUMERICAL VALU	excessive flow suture flow, discharge rupture rhythm		
B. FIVE rrh's -rrhagia, -rrhage -rrhaphy -rrhea -rrhexis rrhythm/o C. NUMERICAL VALU	excessive flow suture flow, discharge rupture rhythm		
trans- B. FIVE rrh's -rrhagia, -rrhage -rrhaphy -rrhea -rrhexis rrhythm/o C. NUMERICAL VALU half	excessive flow suture flow, discharge rupture rhythm JES demi- hemi- semi- mono- uni-		
trans- B. FIVE rrh's -rrhagia, -rrhage -rrhaphy -rrhea -rrhexis rrhythm/o C. NUMERICAL VALU half one one and a half	excessive flow suture flow, discharge rupture rhythm JES demi- hemi- semi- mono- uni- sesqui-		
trans- B. FIVE rrh's -rrhagia, -rrhage -rrhaphy -rrhea -rrhexis rrhythm/o C. NUMERICAL VALU half	excessive flow suture flow, discharge rupture rhythm JES demi- hemi- semi- mono- uni- sesqui- bi-		
trans- B. FIVE rrh's -rrhagia, -rrhage -rrhaphy -rrhea -rrhexis rrhythm/o C. NUMERICAL VALU half one one and a half two	excessive flow suture flow, discharge rupture rhythm JES demi- hemi- semi- mono- uni- sesqui-		
trans- B. FIVE rrh's -rrhagia, -rrhage -rrhaphy -rrhea -rrhexis rrhythm/o C. NUMERICAL VALU half one one and a half	excessive flow suture flow, discharge rupture rhythm JES demi- hemi- semi- mono- uni- sesqui- bi- di-		
trans- B. FIVE rrh's -rrhagia, -rrhage -rrhaphy -rrhea -rrhexis rrhythm/o C. NUMERICAL VALU half one one and a half two three four	excessive flow suture flow, discharge rupture rhythm JES demi- hemi- semi- mono- uni- sesqui- bi- di- tri-		
trans- B. FIVE rrh's -rrhagia, -rrhage -rrhaphy -rrhea -rrhexis rrhythm/o C. NUMERICAL VALU half one one and a half two three	excessive flow suture flow, discharge rupture rhythm JES demi- hemi- semi- mono- uni- sesqui- bi- di- tri- tetra- quadri- quinque-		
trans- B. FIVE rrh's -rrhagia, -rrhage -rrhaphy -rrhea -rrhexis rrhythm/o C. NUMERICAL VALU half one one and a half two three four	excessive flow suture flow, discharge rupture rhythm JES demi- hemi- semi- mono- uni- sesqui- bi- di- tri- tetra- quadri- quinque- pent-		
trans- B. FIVE rrh's -rrhagia, -rrhage -rrhaphy -rrhea -rrhexis rrhythm/o C. NUMERICAL VALU half one one and a half two three four	excessive flow suture flow, discharge rupture rhythm JES demi- hemi- semi- mono- uni- sesqui- bi- di- tri- tetra- quadri- quinque- pent- penta-		
trans- B. FIVE rrh's -rrhagia, -rrhage -rrhaphy -rrhea -rrhexis rrhythm/o C. NUMERICAL VALU half one one and a half two three four	excessive flow suture flow, discharge rupture rhythm JES demi- hemi- semi- mono- uni- sesqui- bi- di- tri- tetra- quadri- quinque- pent-		
trans- B. FIVE rrh's -rrhagia, -rrhage -rrhaphy -rrhea -rrhexis rrhythm/o C. NUMERICAL VALU half one one and a half two three four	excessive flow suture flow, discharge rupture rhythm JES demi- hemi- semi- mono- uni- sesqui- bi- di- tri- tetra- quadri- quinque- pent- penta- hex-		

QuickStudy.		
seven	hepta-	
	sept-	
	septi-	
eight	octa-	
	octi-	
nine	noni-	
ten (10 ¹)	deca-	
hundred (10 ²)	hecto-	
thousand (10 ³⁾	kilo-	
million (10°)	mega-	
billion (10°)	giga-	
trillion (10 ¹²)	tera-	
quadrillion (1015)	peta-	
quintillion (10 ¹⁸)	exa-	
one tenth (10 ⁻¹)	deci-	
one hundredth (10 ⁻²) one thousandth (10 ⁻³)		
one millionth (10-6)	micro-	
one billionth (10 ⁻⁹)	nano-	
one trillionth (10 ⁻¹²)	pico-	
one quadrillionth (10 ⁻¹		
one quintillionth (10 ⁻¹⁸)	·	
one quintinontii (10)	atto	
D. SURGICAL PROCE		
-centesis	surgical puncture of a cavity	
-desis	surgical fixation, fusion	
-ectomy	surgical removal	
-pexy	fixation	
-plasty	surgical correction/repair	
-rrhaphy	suture	
-sect	to cut	
-stomy	surgical opening	
-tomy	surgical incision	
-tripsy	to crush, break	
E. PATHOGENS		
acar/o	mites	
arachn/o	spider	
bacteri/o	bacteria	
-coccus	berry-shaped bacterium	
fung/i	fungus, mushroom	
helminth/o,	worm	
-helminth		
hirud/i, hirudin/i	leech	
ixod/i	ticks	
myc/o	fungus	
parasit/o	parasite	
pedicul/o	louse	
scolec/o	Worm	
verm/i vir/o	virus	
SKELETAL SYS	STEM	
A. Bones 1. Formation – Ossif	ication	

- **1.** Formation Ossification **2.** Types Long/short/flat/irregular
- 2. Types Long/short/flat/irregular
 3. Tissues Compact/spongy (cancellous)
 4. Markings Depressions/openings/projections
 5. Axial skeleton
 a. Skull
 b. Vertebral column
 c. Thoracic cage
 6. Appendicular skeleton
 a. Upper extremities
 b. Lower extremities
 c. Pectoral girdle
 d. Pelvic girdle

B. Joints/articulations 1. Structural classification a. Fibrous b. Cartilaginous c. Synovial 2. Functional classification a. Synarthroses b. Amphiarthroses c. Diathroses

TERMS	DEFINITIONS	WORDS
ankyl/o	stiff, crooked, bent	ankylosis
arthr/o	joint	arthrodysplasia
articul/o brachi/o	joint arm	articulation brachiocephalic
burs/o	bursa	bursolith
calcane/o	heel	calcaneodynia
carp/o	wrist	carpoptosis
centr/o	center	centrosclerosis
cephal/o cervic/o	neck, cervix	cephaledema cervicofacial
chir/o, cheir/o	hand	chiropodalgia
chondr/o	cartilage	chondrodystrophy
cleid/o	clavicle	cleidorrhexis
coccyg/o cost/o	rib	coccygodynia costosternal
cox/o	hip	coxarthrosis
crani/o	skull	cranioclast
cubit/o		genucubital
dactyl/o	digit (finger or toe)	dactylospasm
eury- faci/o	wide, broad face	eurycephalic facioplasty
femor/o	femur	ischiofemoral
fibul/o	fibula	fibulocalcaneal
geni/o	chin	genioplasty
gnath/o		gnathoschisis
gnos/o goni/o	knowledge angle	acrognosis goniometer
gyr/o	circle, spiral	gyrospasm
holo-	entire, complete	holoarthritis
humer/o	humerus	humeroradial
hypsi-	high	hypsicephaly
ili/o ischi/o	ilium ischium	iliolumbar ischiodvnia
ithy-	erect, straight	ithylordosis
kyph/o	humpback	kyphoscoliosis
lamin/o	lamina	laminectomy
lip/o	fat	lipochondroma
-listhesis lord/o	slipping curvature, bending	spondylolisthesis lordoscoliosis
lox/o	oblique, slanting	loxarthron
lumb/o	loin	lumbodynia
maxill/o	maxilla	maxillotomy
mega-, megalo- -megaly	large enlargement	megalopodia dactylomegaly
mel/o	limb, limbs	melalgia
om/o	shoulder	omodynia
opisth/o	backward, behind	opisthognathism
oste/o	bone	osteochondroma
pan- patell/o	all patella	panarthritis patellofemoral
ped/o	foot, child	pedal
pelv/i	pelvis	pelvimeter
perone/o	fibula	peroneotibial
petr/o	stone, petrous region of temporal bone	petromastoid
phalang/o		phalangitis
-physis	growth, growing	diaphysis —
pod/o	foot	podiatrist
-porosis	porous, decrease	osteoporosis
nub/o	in density pubis	nuhovasiaal
pub/o rachi/o	spine	pubovesical rachioplegia
sacr/o	sacrum	sacrocoxalgia
scapul/o	scapula	scapulopexy
scoli/o	crooked, twisted	scoliorachitic
skelet/o		skeletogenous
spin/o spondyl/o	spinal cord, spine vertebrae	spinocerebellar spondylopyosis
stern/o	sternum	sternocostal
synov/o	synovia,	synovectomy
	synovial membrane	
tal/o	talus	talofibular
tars/o tibi/o	tarsus, edge of eyelid	tarsoclasis tibiotarsal
vertebr/o	vertebra	vertebrosternal
xiph/o	sword-shaped,	xiphocostal
	xiphoid	

QuickStudy.

NERVOUS SYSTEM

- A. Cells
- 1. Neuron Dendrites, cell body, axon
- 2. Neuroglia (glial)

B. Central Nervous System (CNS)

- **1.**Brain Cerebrum, cerebellum, brainstem, diencephalon
- 2.Spinal cord Ascending/descending tracts
- **3.** Membranes (meninges) Dura mater, arachnoid, pia mater
- 4. Cerebrospinal Fluid (CSF)

C. Peripheral Nervous System (PNS)

- 1. Cranial nerves (12 pairs)
- 2. Spinal nerves (31 pairs)
- 3. Afferent (sensory) division: sensory receptors
- 4. Efferent (motor) division
- a. Somatic nervous system (voluntary)
- **b.** Autonomic nervous system (involuntary)
 - i. Sympathetic nervous system
 - ii. Parasympathetic nervous system

TERMS	DEFINITIONS	WORDS
-algesia, alges/o	pain sensitivity	analgesia
astr/o	star, star shaped	astrocytoma
atel/o	incomplete, imperfect	
-bulia, -boulia	will	abulia
cerebell/o	cerebellum	cerebellospinal
cerebr/o	cerebrum, brain	cerebroid
-crasia	mixture (good or bad), temperament	eucrasia
drom/o,	running	dromotropic
-drome	, and the second	Î
encephal/o	brain	encephalomalacia
esthesi/o,	sensation, feeling	esthesioneurosis
-esthesia	, 5	
gangli/o,	ganglion	gangliocytoma
ganglion/o	<i>C C</i>	0 0 ,
gli/o	glue, neuroglia	gliocyte
heli/o	sun	heliophobia
hydr/o	water, hydrogen	hydrocephalocele
hypn/o	sleep	hypnogenic
hypothalam/o	hypothalamus	hypothalamo-
пуроспанать о	пурошини	hypophysical
keraun/o	lightning	keraunoneurosis
klept/o	theft, stealing	kleptomania
-lemma	confining membrane	epilemma
-lepsy	seizure	epilepsy
-lexia	speech, word	bradylexia
log/o, -log,	word, speech,	logorrhea
-logue	thought	iogorrica
-mania	madness, obsessive	hynomania
-mama	preoccupation	пуротини
medull/o	medulla, marrow	medulloblast
mening/o	meninges,	meningocele
mening/0	membranes	meningoccie
ment/o	mind	dementia
-mnesia	memory	ecmnesia
myel/o	bone marrow,	myelocele
111y C1/ U	spinal cord	myelocele
naro/a	numbness, stupor	naraoanasthasia
narc/o neur/o		narcoanesthesia neurotripsy
neur/o noci-	to cause harm,	1 - 1 - 1
11001-		nociceptor
noio	injury or pain	
-noia	mind, will	paranoia
-paresis	partial paralysis	hemiparesis
phaner/o	visible, apparent	phaneromania
-phobia,	fear, aversion	phobophobia
phob/o		
phren/o	mind, diaphragm	tachyphrenia
picr/o	bitter	picrotoxin
piez/o, pies/i,	pressure	piesesthesia
-piesis		
-plegia	paralysis	quadriplegia

poli/o	gray (matter)	poliomyelitis
-pore	opening, passageway	neuropore
-praxia	action, activity	parapraxia
psych/o	mind	psychokinesis
psychr/o	cold	psychrophobia
radicul/o	nerve root	radiculitis
rhiz/o	root	rhizotomy
schiz/o	split, division	schizophasia
somn/i, -somnia	sleep	insomnia
syring/o	tube, fistula	syringomyelocele
tauto-	identical, same	tautomeral
-taxia, tax/o	arrangement,	dystaxia
	coordination	
tel/o	end	telodendron
tephr/o	gray (ashen)	tephromyelitis
thanat/o	death	thanatomania
thec/o	sheath	neurothecitis
vag/o	vagus nerve	vagolysis

MALE REPRODUCTIVE SYSTEM

A. Scrotum

Sac containing the testes

- B. Testes
- 1. Seminiferous tubules spermatozoa
- 2. Interstitial cells testosterone

C. Ducts

- 1. Epididymis
- 2. Vas deferens/ductus deferens
- 3. Ejaculatory duct
- 4. Urethra
- D. Penis Erectile tissue

E. Glands

- 1. Seminal vesicles
- 2. Prostate gland
- 3. Bulbourethral (Cowper's) gland

F. Secretion Semen

- 1. Sperm
- 2. Glandular secretions

TERMS	DEFINITIONS	WORDS
andr/o	male	androgen
balan/o	glans penis	balanoblennorrhea
-cele	hernia, swelling	hydrocele
-cide	killing, agent	spermicide
	which kills	
crypt/o	hidden, concealed	cryptorchism
epididym/o	epididymis	epididymectomy
genit/o	reproduction	genitourinary
gon/o	genitals	gonocyte
gonad/o	gonads	gonadogenesis
olig/o	scanty, few, little	oligospermia
orch/o, orchi/o,	testis	orchidopexy
orchid/o		
osche/o	scrotum	oscheoplasty
phall/o	penis	phallodynia
phim/o	muzzle	paraphimosis
prostat/o	prostate gland	prostatocystotomy
semin/i	semen	seminiferous
sperm/o,	spermatozoa	spermatogenesis
spermat/o		
test/o, testicul/o	testis	testectomy
vas/o	vas deferens,	vasovasostomy
	vessel	
venere/o	sexual intercourse	venereologist
vesicul/o	seminal vesicle	vasovesiculitis
zo/o	animal	azoospermia

URINARY SYSTEM

A. Organs

1.Kidneys - Cortex, medulla, nephron, collecting duct, renal pelvis

- 2. Ureters Tubes
- 3. Bladder Trigone
- 4. Urethra Tube

B. Urine

- 1. Formation Filtration, reabsorption, secretion
- Composition Water, nitrogenous waste, salts, other substances

TERMS	DEFINITIONS	WORDS
a-, an-	without, not	anuria
albumin/o	albumin	albuminometer
ammon/o	ammonium	ammonuria
-atresia	closure, occlusion	urethratresia
atreto-	closed, lacking	atretocystia
	an opening	
azot/o	nitrogen, urea	azoturia
calci/o	calcium	hypocalciuria
cali/o	calyx	pyelocaliectasis
cupr/o	copper	cupruresis
cyan/o	blue	urocyanosis
cyst/o	bladder, cyst	cystogram
-ectasis, -ectasia	dilation, expansion	nephrectasia
fusc/o	dark brown	urofuscohematin
glomerul/o	glomerulus	glomerulopathy
keton/o	ketones	ketonuria
lith/o	stone, calculus	pyelolithotomy
nephr/o	kidney	nephrotoxic
noct/i	night	noctalbuminuria
py/o	pus	pyocalix
pyel/o	renal pelvis	pyelophlebitis
ren/o	kidney	renogastric
uric/o	uric acid	uricosuria
ur/o	urine	uroerythrin
-uresis	urination	diuresis
ureter/o	ureter	ureterocolostomy
urethr/o	urethra	urethrorrhagia
-uria	urine condition	pyuria
urin/o	urine	urinalysis
vesic/o	urinary bladder	vesicoclysis

FEMALE REPRODUCTIVE SYSTEM

A. Ovaries

- 1. Oocyte development
- 2. Ovulation
- B. Fallopian tubes/uterine tubes Fertilization

C. Uterus

- 1. Wall
- a. Perimetrium
- **b**. Myometrium
- c. Endometrium
- 2. Parts
- **a.** Fundus**b.** Body
- c. Cervix
- D. Vagina Hymen

E. External genitalia/vulva

- 1. Labia majora/minora
- 2. Clitoris
- 3. Bartholin's glands

F. Breasts

- 1. Mammary glands
- 2. Nipple
- 3. Areola
- 4. Lactation

G. Menstrual cycle

- 1. Phases
- 2. Hormonal interaction
- 3. Cessation



TERMS	DEFINITIONS	WORDS
amni/o	amnion	amnioscopy
cervic/o	neck, cervix	cervicovaginitis
chori/o	chorion	chorioadenoma
-clasis, -clast,	break, breaking	cranioclasis
-clasia		
colp/o	vagina	colporrhaphy
culd/o	cul-de-sac	culdoscopy
-cyesis	pregnancy	ovariocyesis
embry/o	embryo	embryopathy
episi/o	vulva	episiostenosis
fet/o	fetus	fetography
galact/o	milk	galactacrasia
gravid/o	pregnancy	gravidocardiac
-gravida	pregnant woman	unigravida
gynec/o	woman, female	gynecography
helc/o	ulcer	helcomenia
hymen/o	hymen	hymenitis
hyster/o	uterus	panhysterectomy
lact/o	milk	lactorrhea
lecith/o	yolk, ovum	centrolecithal
-lipsis	omit, fail	menolipsis
mamm/o	breast	mammography
mast/o	breast	mastalgia
men/o	menses,	menorrhagia
	menstruation	
metr/o	uterus	myometritis
nat/o	birth	neonatology
neo-	new	neonatal
nulli-	none	nulliparity
0/0	egg, ovum	oogenesis
obstetr/o	midwife	obstetrician
omphal/o	navel	omphalocele
oophor/o	ovary	oophorohyster-
		ectomy
ov/o, ov/i	egg, ovum	ovicide
ovari/o	ovary	ovariocentesis
-para, -parous	to bear,	septipara
	bring forth	
-partum	childbirth, labor	postpartum
perine/o	perineum	colpoperine-
		oplasty
per/o	deformed,	peromelia
	maimed	
phys/o	air, gas	physometra
sacchar/o	sugar	saccharogalac-
		torrhea
salping/o	fallopian tube	salpingocyesis
terat/o	monster	teratogenesis
thel/o	nipple	thelorrhagia
toc/o, -tocia	childbirth, labor	dystocia
tub/o	tube	tuboplasty
uter/o	uterus	uterolith
vagin/o	vagina	vaginography
viv/i	life, alive	viviparous
vulv/o	vulva	vulvopathy

CARDIOVASCULAR

- A. Heart
- 1. Four chambers
- a. Two upper (atria)
- **b.** Two lower (ventricles)
- **2.** Wall
- a. Endocardium
- b. Myocardium
- c. Pericardium
- 3. Two partitions
- a. Interatrial septum
- **b.** Interventricular septum
- 4. Four valves
- a. Atrioventricular
- i. Tricuspid
- ii. Bicuspid (mitral)
- b. Semilunar
 - i. Pulmonary
 - ii. Aortic
- B. Blood vessels
- Arteries arterioles
 Veins venules
- 3. Capillaries

- C. Circulation
- 1. Pulmonary
- 2. Systemic
- D. Blood pressure
- 1. Systole (contraction)
- 2. Diastole (relaxation)
- E. Pulse

Rhythmical expansion and contraction of an artery as a result of the heart contraction

- F. Electrical/Conduction system
- **1.**Components SA node AV node bundle of His bundle branches Purkinje fibers
- 2. Measurement EKG/ECG

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TERMS	DEFINITIONS	WORDS
aneurysm/o	aneurysm	aneurysmectomy
angi/o	vessel	angioblast
aort/o	aorta	aortomalacia
arteri/o	artery	arteriolith
arteriol/o	arteriole	arteriolo-
		sclerosis
ather/o	fatty substance,	atheroma
	plaque	
atri/o	atrium	atrioseptopexy
brady-	slow	bradycardia
cardi/o	heart	cardioptosis
cine-	movement	cineangiograph
-clysis	irrigation,	venoclysis
	washing	
coron/o	heart	coronary
embol/o	embolus	embolectomy
isch/o	suppress, restrain	ischemia
-megaly	enlargement	atriomegaly
mi/o	less, smaller	miocardia
-motor	movement,	venomotor
motor	motion motion	venomoror
palpit/o,	flutter, throbbing	nalnitation
palpitat/o	matter, throboting	paipitation
phleb/o	vein	phleborrhexis
presby-	aging, elderly	presbycardia
rhe/o	flow, current,	rheocardi-
1110/0	stream	ography
-spasm	involuntary	vasospasm
-spasiii	contraction	vasospasm
sphygm/o	pulse	sphygmoscope
-sphyxia	pulse	asphyxia
-stenosis	narrowed.	aortostenosis
-500110515	constricted	aoriosienosis
tachy-	fast	tachycardia
tel/e	end, distant	telecardiography
-tension	stretched.	hypertension
	strained	nyperiension
valv/o, valvul/o	valve	valvulotome
varic/o	varicose veins	varicophlebitis
vas/o	vessel.	vasohypotonic
v a 5/ U	vas deferens	vasonypotonic
vascul/o	vessel	vasculitis
vascui/o ven/o	vein	vascuillis venography
ven/o ventricul/o	ventricle of the	venograpny ventriculogram
ventricui/o		veniriculogram
venul/o	heart or brain venule	venular
venui/o	venule	venutar

GASTROINTESTINAL SYSTEM

- A. Oral cavity
- Tongue, teeth, hard/soft palate, gums, salivary glands
- B. Pharynx
- C. Esophagus
- D. Stomach
- 1. Sphincters
- 2. Parts fundus, body, pylorus
- E. Small intestine

Parts - duodenum, jejunum, ileum

F. Liver

Right and left lobes

G. Pancreas

Endocrine/exocrine tissue

H. Large intestine

Parts - cecum, colon, rectum, anus

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uran/o palate <i>uranoschisis</i>	typhl/o	•	typhlectasis
		, -,	7,



BLOOD

A. Composition

- 1. Plasma (55%) Pale, yellow fluid
- 2. Formed elements (cells) 45%
- a. Erythrocytes
- b. Leukocytes
 - i. Granulocytes (eosinophils, basophils, neutrophils)
 - ii. Agranulocytes (monocytes, lymphocytes)
- c. Thrombocytes (platelets)

B. Blood Groups

- 1. ABO Group
- a. Types A/B/AB/O
- **b.** Determined by antigen(s) on erythrocyte
- 2.Rh Group
- a. Rh+/Rh-
- b. Presence or absence of Rh antigen on erythrocyte

C. Blood Clotting (coagulation)

- 1. Chemical reactions
- 2. Clot prevention
- 3. Clot retraction

TERMS	DEFINITIONS	WORDS
agglutin/o	clumping	agglutinophilic
anis/o	unequal	anisonormo-
	•	cytosis
bas/o, basi/o	base, foundation	basophil
coagul/o	coagulation,	coagulopathy
Ŭ.	clotting	ŭ . ,
-crit	separate	thrombocytocrit
-emia	blood condition	erythremia
eosin/o	red, rosy, dawn	eosinopenia
erythr/o	red	erythrocytoschi
1		sis
ferr/i, ferr/o	iron	ferrometer
gigant/o	huge	gigantocyte
-globin	protein	hemoglobin
granul/o	granules	agranulocytosis
hem/o,	blood	hemocytozoon
hemat/o		
kal/i	potassium	hyperkalemia
leuk/o	white	leukocytotoxin
myel/o	bone marrow,	myelocytosis
	spinal cord	
natr/o	sodium	hypernatremia
neutr/o	neutral	neutropenia
norm/o	normal, usual	normochromo
		cyte
-pheresis	removal	plateletpheresis
-phil, -philia	affinity for,	hemophilia
	tendency towards	
-phore	bearer, processor	siderophore
-phoresis	bearing,	electrophoresis
	transmission	
phosphat/o	phosphate	phosphatemia
poikil/o	variation,	poikiloblast
	irregular	
pykn/o, pycn/o	thick, dense	pyknocyte
rhod/o	red, rosy	rhodocyte
sangu/i,	blood	sanguiferous
sanguin/o		
sapr/o	rotten, decay	sapremia
schist/o,	split, cleft	schistocyte
-schisis		
ser/o	serum, serous	serosanguineous
sider/o	iron	sideropenia
spher/o	round, sphere	spherocytosis
strept/o	twisted, curved	streptococcemia
thromb/o	clot, thrombus	thromboelas-
		togram
-volemia	blood volume	normovolemia

ENDOCRINE SYSTEM

- A. Characteristics
- 1. Ductless glands called endocrine glands
- 2. Glands secrete hormones directly into the blood stream
- **3.** Hormones affect growth/development, reproduction, metabolism
- B. Endocrine Glands
- 1. Pituitary a. anterior
 - **b.** posterior

- 2. Thyroid
- 3. Parathyroid
- 4. Adrenal
- a. medulla
- **b.** cortex
- 5. Pancreas
- T
- 6. Testes
- 7. Ovaries
- 8. Pineal9. Thymus

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TERMS	DEFINITIONS	WORDS
acr/o	extremities	acrogeria
aden/o	gland	adenectopia
adren/o	adrenal glands	adrenomegaly
cortic/o	cortex	corticoadrenal
crin/o	secrete, separate	crinogenic
hirsut/o	hairy	hirsutism
hormon/o	hormone	hormonopoiesis
medull/o	medulla, marrow	medulloadrenal
myx/o	mucus	myxedema
pancreat/o	pancreas	pancreato-
		lithotomy
parathyroid/o	parathyroid	parathyroidoma
phe/o	dusky	pheochrom-
		octoma
pineal/o	pineal gland	pinealopathy
pituitar/o	pituitary gland	pituitarism
thym/o	thymus gland	thymotoxin
thyr/o	thyroid gland	thyrocele
tox/o, toxic/o	poison	thyrotoxicosis
-trophy, troph/o	nourishment,	hypertrophy
	growth	

INTEGUMENTARY SYSTEM

- A. Skin
- Layers
- 1. Epidermis
- 2. Dermis/corium
- 3. Subcutaneous/hypodermis

B. Hair

- 1. Components
- a. Shaft
- **b.** Root
- c. Bulb2. Cycle Growth/resting

C. Glands

- 1. Sebaceous/oil sebum
- 2. Sudoriferous/sweat
- a. apocrine
- **b.** eccrine

D. Nails

Components

- 1.Free edge
- 2. Nail body
- 3. Nail root

TERMS	DEFINITIONS	WORDS
acanth/o	thorny, spiny	acanthoma
actin/o	ray, radiation	actinodermatitis
brom/o	bromine	bromoderma
	containing	
	compound, odor	
caus/o, cauter/o	burn, burning	causalgia
-chroia	skin coloration	xanthochroia
chrom/o	color	chromomycosis
chrys/o	gold	chrysiasis
cutane/o	skin	subcutaneous
derm/o,	skin	dermatopathy
dermat/o		
erythem/o	flushed, redness	erythema
eschar/o	scab	escharotomy
graph/o	writing	graphesthesia
hidr/o	sweat	hyperhidrosis
ichthy/o	fish	ichthyosis
iod/o	iodine	iododerm
kerat/o	horny tissue,	keratolysis
	cornea	

koil/o	hollow, concave,	koilonychia
KOII/O	depressed	Kononyema
1 11/		1 . 1 .
lepid/o	flakes, scales	lepidosis
lepr/o	leprosy	leproma
onych/o	nail	onychomycosis
pachy-	thick	pachydermatocele
papul/o	papule, pimple	papulopustular
perspir/o	breathe through	perspiration
phyt/o	plant	phytophoto-
		dematitis
pil/o	hair	pilomotor
prurit/o	itching	pruritogenic
pseudo-	false	pseudochrom-
		hidrosis
psor/o	itching	psoriasis
py/o	pus	pyodermatitis
rhytid/o	wrinkle	rhytidectomy
seb/o	sebum	seborrhea
steat/o	fat	steatocryptosis
sud/o	sweat	sudokeratosis
trich/o	hair	hypertrichosis
ul/o	scar, scarring	uloid
ungu/o	nail	subungual
verruc/i	wart	verrucosis
xer/o	dry	xeroderma

RESPIRATORY SYSTEM

A. Upper Respiratory Tract

- 1. Nose Nasal cavity, paranasal sinuses
- **2.** Pharynx Nasopharynx, oropharynx, laryngopharynx

B. Lower Respiratory Tract

- 1. Larynx Vocal Cords
- 2. Trachea C-shaped rings of cartilage
- 3. Bronchi
- a. Right/left bronchus
- **b.** Bronchioles alveoli
- 4.Lungs
- **a.** Lobes right (3) / left (2)
- b. Pleura

C. Pulmonary Ventilation

- 1. Inspiration/expiration
- 2. Diaphragm

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TERMS	DEFINITIONS	WORDS
alveol/o	alveolus	alveolitis
aspir/o,	inhaling, removal	aspiration
aspirat/o		
blenn/o	mucus	blennothorax
brachy-	short	brachypnea
bronch/o	bronchus	bronchorrhagia
bronchiol/o	bronchiole	bronchiolectasis
-capnia, capn/o	carbon dioxide	hypercapnia
coni/o	dust	coniofibrosis
epiglott/o	epiglottis	epiglottitis
lal/o, -lalia	speech, babble	laliatry
lampr/o	clear	lamprophonia
laryng/o	larynx	laryngoxerosis
lept/o	slender, thin,	leptophonia
	delicate	
lob/o	lobe	lobectomy
mediastin/o	mediastinum	mediastinoscopy
mogi-	difficult	mogiphonia
nas/o	nose	nasolabial
osm/o,	sense of smell,	anosmia
-osmia	odor, impulse	
osphresi/o,	sense of smell,	osphresiometer
-osphresia	odor	
ox/o, -oxia	oxygen	hypoxia
-pagus	conjoined twins	thoracopagus
pector/o	chest	pectoralgia
phas/o, -phasia	speech	dysphasia
phon/o, -phonia	voice, sound	rhinophonia
phren/o	mind, diaphragm	phrenalgia
pimel/o	fat, fatty	pimelorthopnea
pleur/o	pleura	pleurocholecystitis
-pnea	breathe	hyperpnea

QuickStudy.

pneum/o	lung, air	рпеитореху
pneumon/o	lung, air	pneumonomycosis
-ptosis	prolapse, drooping	laryngoptosis
-ptysis	spitting	hemoptysis
pulmon/o	lung	pulmonologist
respir/o,	breathe, breathing	respirator
respirat/o		
rhin/o	nose	rhinolithiasis
sept/o	partition	septorhinoplasty
silic/o	silica, quartz	silicosis
sinus/o	cavity, sinus	sinusotomy
span/o	scanty, scarce	spanopnea
spir/o	breathe	bronchospirometer
steth/o	chest	stethoscope
therm/o	heat	thermopolypnea
thorac/o	chest	thoracoschisis
trache/o	trachea	tracheostenosis
traumat/o	trauma, injury,	traumatopnea
	wound	
xen/o	strange, foreign	xenophonia

MUSCULAR SYSTEM

- A. Characteristics
- 1. Excitability
- 2. Contractility
- 3. Elasticity
- 4. Extensibility
- B. Types
- 1. Skeletal
- a. Voluntary/striated
- b. Movement
- c. Naming
- d. Attached to the skeleton
- 2. Smooth
- a. Involuntary/nonstriated
- b. Located in walls of hollow organs
- 3. Cardiac
- a. Involuntary/striated
- b. Found in the heart

TERMS	DEFINITIONS	WORDS
-asthenia,	weakness	myasthenia
asthen/o		
aux/o	growth, acceleration	auxotonic
-chalasia	relaxation	achalasia
erg/o	work	ergometry
fasci/o	fascia	fasciodesis
fibr/o	fiber, fibrous	fibromyoma
flex/o	bend	flexor
ide/o	idea, mental images	ideomuscular
kinesi/o,	movement	kinesioneurosis
kinesia,-kinetic		
lei/o	smooth	leiomyoma
ligament/o	ligament	ligamentopexy
-lysis	dissolution,	myolysis
	breakdown	
muscul/o	muscle	musculoskeletal
my/o, myos/o	muscle	myorrhexis
pale/o	old	paleokinetic
palin-, pali-	recurrence,	palikinesia
	repetition	
pyg/o	buttocks	pygalgia
rhabd/o	rod	rhabdoid
rhabdomy/o	striated/skeletal	rhabdomyolysis
	muscle	
rot/o, rotat/o	turn, revolve	rotator
-stasis	standing still,	myostasis
	standing	
sthen/o, -sthenia	strength	sthenometry
-stroma	supporting tissue	myostroma
	of an organ	

syndesm/o	ligament,	syndesmectopia
	connective tissue	
ten/o	tendon	tenorrhaphy
tenont/o	tendon	tenontography
-therapy,	treatment	kinesiotherapy
therapeut/o		
ton/o	tone, tension	myatonia

SPECIAL SENSES: EYE/EAR

- A. Eye
- 1. Layers/Tunics
- a. Fibrous
- i. Sclera
- ii. Cornea
- b. Vascular
 - i. Choroid
- ii. Ciliary body
- iii. Iris
- c. Nervous Retina
- 2. Associated Structures
- a. Eyebrows
- **b.** Eyelids
- c. Lacrimal apparatus
- d. Conjunctiva
- e. Eyelashes
- B. Ear
- 1. External
- a. Auricle
- b. External auditory canal
- c. Tympanic membrane/eardrum
- 2. Middle
- a. Auditory/eustachian tube
- b. Auditory ossicles Malleus/incus/stapes

DEFINITIONS

WORDS

TERMS

Bony labyrinth-semicircular canals/vestibule/cochlea

acous/o	hearing	acousia
acoust/o	hearing, sound	acoustics
ambly/o	dim, dull	amblyoscope
audi/o, audit/o	hearing	audiometer
aur/o,	ear	auriculotemporal
auricul/o		
blephar/o	eyelid	blepharorrhaphy
cochle/o	cochlea	cochleitis
conjunctiv/o	conjunctiva	conjunctivitis
cor/o	pupil	corectasia
corne/o	cornea	corneosclera
-cusis	hearing	presbycusis
cycl/o	ciliary body, circular	cyclodialysis
dacry/o	tear	dacryoadenectomy
dipl/o	double	diploscope
hygr/o	moisture	hygroblepharic
ir/o, irid/o	iris	iridemia
kerat/o	cornea, horny tissue	keratomalacia
lacrim/o	tear, lacrimal duct	lacrimotomy
logad/o	whites of the eyes	logadectomy
myring/o	eardrum	myringomycosis
ocul/o	eye	oculonasal
ophthalm/o	eye	ophthalmodynia
ophry/o	eyebrow	ophryitis
-opia, -opsia	vision	heteropsia
opt/o	eye, vision	optometer
ot/o	ear	otopyorrhea
palpebr/o	eyelid	palpebritis
phac/o	lens	phacocele
phak/o	lens	phakoma
phot/o	light	photophobia

-pterygium	abnormality of the	pimelopterygium
	conjunctiva	
pupill/o	pupil	pupillatonia
retin/o	retina	retinotoxic
scler/o	sclera	sclerectasia
scot/o	darkness	scotopia
son/o	sound	sonometer
staped/o	stapes	stapedectomy
stich/o, -stichia	rows	polystichia
stigmat/o	mark, point	astigmatism
-tropia	to turn	anatropia
tympan/o	eardrum	tympanosclerosis
uve/o	uvea	uveoplasty
vitre/o	glassy, vitreous	vitreocapsulitis
	body	

LYMPHATIC & IMMUNE SYSTEM

- A. Lymphatic System
- 1.Lymph
- a. clear, watery fluid
- b. formed from interstitial fluid
- 2. Lymphatic Vessels Valves
- 3. Lymphatic Organs
- a. Tonsils
 - i. palatine
- ii. pharyngeal
- iii.lingual
- b. Lymph Nodes concentration of nodes
- i. inguinal
- ii. axillary
- iii.cervical
- c. Spleen
- d. Thymus
- B. Immune System
- 1. Non-specific response skin, inflammation, phagocytosis
- 2. Specific response
- a. acquired immunity
- i. natural (active/passive)
- ii. artificial (active/passive)
- **b.** antibody-mediated immunity
- c. cell-mediated immunity

TERMS	PERMITIONS	WORRS
TERMS	DEFINITIONS	WORDS
adenoid/o	adenoids	adenoidectomy
allo-	other, different	allotoxin
auto-	self	autoantitoxin
axill/o	armpit	axillary
-edema	swelling	lymphedema
-emphraxis	stoppage,	splenemphraxis
	obstruction	
immun/o	protection,	immunogenic
	immune	
inguin/o	groin	inguinodynia
lien/o	spleen	lienomalacia
lymph/o	lymph	lymphangio-
		phlebitis
nod/o	knot	nodular
-penia	deficiency	lymphocytopenia
peri-	around	perilymphangitis
-phylaxis	protection	anaphylaxis
ple/o	more	pleocytosis
sarc/o	flesh	lymphosarcoma
-sepsis	putrefaction	antisepsis
splen/o	spleen	splenectasis
tetan/o	tetanus	tetanophilic
thym/o	thymus	thymectomy
tonsill/o	tonsils	tonsillolith
top/o	particular place	splenectopy
	or area	
vaccin/o	vaccine	vaccinogenous

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NOTE TO STUDENT

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This **QUICKSTUDY** reference guide is a comprehensive list of medical terminology. This is a powerful study tool that can be quickly and repeatedly referred to during and well beyond your college years.

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broad, flat