



# FOUNDATION OF MEDICINE MODULE

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# common prefixes

## اللواحق الابتدائية الشائعة



## Objectives:

1. State the meaning of prefixes.
2. Pronounce, spell, define, and write medical terms that use prefixes.
3. Identify prefixes that have the same meaning.
4. Identify prefixes that have the opposite meaning.



# Prefixes

PREFIX ab-		MEANING away from
<i>Term</i>	<i>Term Analysis</i>	<i>Definition</i>
<b>abduction</b> (ab- <b>DUCK</b> -shun)	-ion = process duct/o = to draw	process of drawing away from the midline
ad-		toward
<i>Term</i>	<i>Term Analysis</i>	<i>Definition</i>
<b>adduction</b> (ah- <b>DUCK</b> -shun)	-ion = process duct/o = to draw	process of drawing toward the midline

**abduction**  
**adduction**



PREFIX pan-		MEANING all	
<i>Term</i>	<i>Term Analysis</i>	<i>Definition</i>	
<b>panhysterectomy</b> (pan-hiss-ter-ECK-toh-mee)	-ectomy = excision; surgical removal hyster/o = uterus	surgical removal of the entire uterus	

**panhysterectomy**  
**(radical hysterectomy)**



# Prefixes

bi- (see di-)		two
<i>Term</i>	<i>Term Analysis</i>	<i>Definition</i>
<b>bilateral</b> (bye-LAT-er-al)	-al = pertaining to later/o = side	pertaining to two sides

contra-		against
<i>Term</i>	<i>Term Analysis</i>	<i>Definition</i>
<b>contraindication</b> (kon-trah-in-dih-KAY-shun)	indication = a sign or symptom that serves to	a medical reason that indicates a specific treatment, i.e., medications, procedure,

**bilateral**  
**contraindication**



# Prefixes

PREFIX in-		MEANING in; into
<i>Term</i>	<i>Term Analysis</i>	<i>Definition</i>
<b>incision</b> (in-SIH-zhun)	-ion = process cis/o = to cut	process of cutting
<b>excision</b> (eck-SIH-zhun)	-ion = process cis/o = to cut	process of cutting out; the surgical removal of tissue from the body

**Incision**  
**excision**



# Prefixes

PREFIX a(n)-		MEANING no; not	
<i>Term</i>	<i>Term Analysis</i>	<i>Definition</i>	
<b>apnea</b> (AP-nee-ah)	-pnea = breathing	not breathing	
<b>anuria</b> (ah-NOO-ree-ah)	-uria = urine; urination	no urine (being formed in the kidney)	

Apnea  
anuria



PREFIX per-		MEANING through
<i>Term</i>	<i>Term Analysis</i>	<i>Definition</i>
<b>percutaneous</b> (per-kyou-TAY-nee-us)	-ous = pertaining to cutane/o = skin	pertaining to through the skin

peri-		around
<i>Term</i>	<i>Term Analysis</i>	<i>Definition</i>
<b>perineuritis</b> (per-ih-nyoo-RYE-tis)	-itis = inflammation neur/o = nerve	inflammation around the nerve

**Percutaneous**  
**Perineuritis**  
**paranasal**





# Prefixes

dys-		bad; difficult; painful; abnormal
<i>Term</i>	<i>Term Analysis</i>	<i>Definition</i>
<b>dysplasia</b> (dis-PLAY-zha)	-plasia = development; formation	abnormal development
<b>dyspnea</b> (DISP-nee-ah)	-pnea = breathing	difficult breathing
endo-		within
<i>Term</i>	<i>Term Analysis</i>	<i>Definition</i>
<b>endogenous</b> (en-DOJ-eh-nus)	-genous = produced by	produced from within the body; disease that originates from within the body.

**dysplasia**  
**endogenous**



PREFIX infra-		MEANING below
<i>Term</i>	<i>Term Analysis</i>	<i>Definition</i>
<b>infracostal</b> (in-frah-KOS-tal)	-al = pertaining to cost/o = rib	pertaining to below the rib

PREFIX inter-		MEANING between
<i>Term</i>	<i>Term Analysis</i>	<i>Definition</i>
<b>intercellular</b> (in-ter-SEL-yoo-lar)	-ar = pertaining to cellul/o = cell	pertaining to between the cells

**Infracostal**  
**intercellular**



PREFIX hypo-		MEANING below; deficient
<i>Term</i>	<i>Term Analysis</i>	<i>Definition</i>
<b>hypogastric</b> (high-poh-GAS-trick)	-ic = pertaining to gastr/o = stomach	pertaining to below the stomach
hyper-		above; excessive
<i>Term</i>	<i>Term Analysis</i>	<i>Definition</i>
<b>hyperplasia</b> (high-per-PLAY-zha)	-plasia = development; formation	excessive formation of cells; abnormal increase in the <b>number</b>

**Hypogastric  
hyperplasia**



# Prefixes

epi-

upon; above

<i>Term</i>	<i>Term Analysis</i>	<i>Definition</i>
<b>epicardium</b> (ep-ih- <b>KAR</b> -dee-um)	-um = structure cardi/o = heart	outer wall of the heart

macro-

large

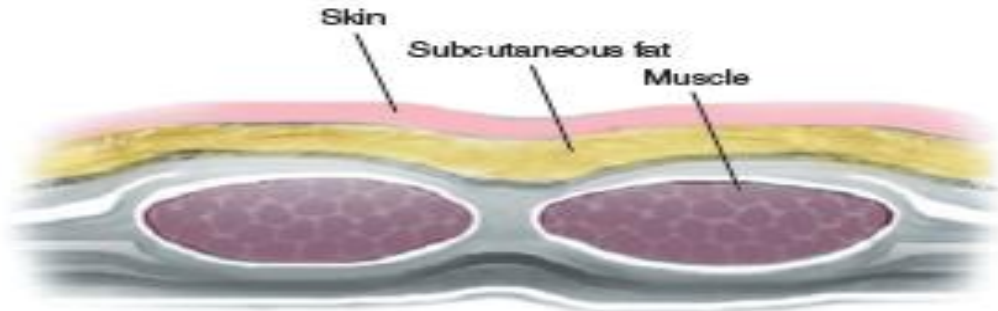
<i>Term</i>	<i>Term Analysis</i>	<i>Definition</i>
<b>macrocephaly</b> (mack-roh- <b>SEF</b> -eh-lee)	-y = condition; process cephal/o = head	abnormally large head

Epicardium

Macrocephaly

# Prefixes

neo-		new
Term	Term Analysis	Definition
<b>neoplasm</b> (NEE-oh-plazm)	-plasm = development; formation	new growth of tissue; a tumor. The tumor can be <b>benign</b> (bee-NIGHN), meaning harmless, or
sub-		under; below
Term	Term Analysis	Definition
<b>subcutaneous</b> (sub-kyoo-TAY-nee-us)	-ous = pertaining to cutane/o = skin	pertaining to under the skin (Figure 4-1)



neoplasm  
subcutaneous



# Prefixes

## Summary of Prefixes That Have the Same Meaning

PREFIX	MEANING
epi-; hyper-; supra-	above
ante-; pre-; pro-	before
hypo-; infra-; sub-	below

## Summary of Prefixes That Have the Opposite Meaning

PREFIX	MEANING
hyper-	excessive
hypo-	deficient
post-	after
ante-; pre-; pro-	before



# Prefixes

post-

after

<i>Term</i>	<i>Term Analysis</i>	<i>Definition</i>
<b>postmortem</b> (pohst-MOR-tehm) examination	-mortem = death examination = to look at; to inspect	inspection of the body after death; autopsy
<b>antepartum</b> (an-tee-PAR-tum)	-partum = delivery, labor, childbirth	before childbirth, referring to the mother

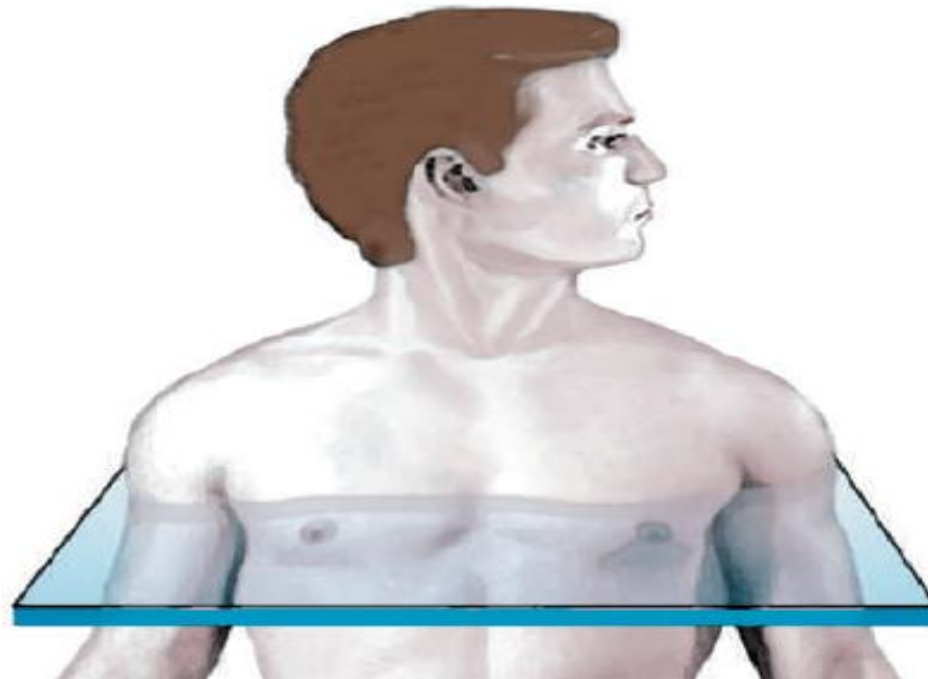
**Postmortem**  
**antepartum**



# Prefixes



	trans-	through; across
<i>Term</i>	<i>Term Analysis</i>	<i>Definition</i>
<b>transection</b> (tran- <b>SECK</b> -shun)	-ion = process sect/o = cut	process of cutting across (Figure 4-2)







### EXERCISE 4-1 Matching Word Elements with Meaning

Match the word element in Column A with its meaning in Column B.

	<b>Column A</b>	<b>Column B</b>
_____	<b>1.</b> trans-	A. before
_____	<b>2.</b> anti-	B. difficult
_____	<b>3.</b> endo-	C. below
_____	<b>4.</b> para-	D. across

	<b>Column A</b>	<b>Column B</b>
_____	<b>5.</b> ante-	E. excessive
_____	<b>6.</b> infra-	F. after
_____	<b>7.</b> hyper-	G. against
_____	<b>8.</b> post-	H. beside
_____	<b>9.</b> dys-	I. around
_____	<b>10.</b> peri-	J. within



PREFIX post-		MEANING after
<i>Term</i>	<i>Term Analysis</i>	<i>Definition</i>
<b>postmortem</b> (pohst-MOR-tehm) <b>examination</b>	-mortem = death examination = to look at; to inspect	inspection of the body after death; autopsy
<b>postpartum</b> (pohst-PAR-tum)	-partum = delivery; labor; childbirth	after childbirth, with reference to the mother

PREFIX ante-		MEANING before
<i>Term</i>	<i>Term Analysis</i>	<i>Definition</i>
<b>antenatal</b> (an-tee-NAY-tal)	-al = pertaining to nat/o = birth	pertaining to before birth, referring to the fetus; prenatal
<b>Note:</b> Fetus is the name given to the unborn infant.		
<b>antepartum</b> (an-tee-PAR-tum)	-partum = delivery, labor, childbirth	before childbirth, referring to the mother