



## ***Medical terminology Lecture 4***

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***2024-2025***

## Prefixes- Numbers

<b>uni-</b>	1 unicorn:	mythical creature with one horn
<b>mono-</b>	1 monorail:	train that runs on one track
<b>bi -</b>	2 bicycle:	two-wheeled vehicle
<b>tri-</b>	3 triceratops:	three-horned dinosaur
<b>quadr-</b>	4 quadruped:	four-footed animal
<b>quint-</b>	5 quintuplets:	five babies born at a single birth
<b>penta-</b>	5 pentagon:	figure with five sides
<b>hex-</b>	6 hexapod:	having six legs, an insect, for example: Spiders, scorpions, mites, ticks, whip scorpions, and pseudo scorpions.
<b>sextus</b>	6 sextet:	group of six musicians
<b>hept</b>	7 heptathlon:	athletic contest with seven events
<b>sept</b>	7 septuplets:	seven babies at a single birth
<b>octo-</b>	8 octopus:	sea creature with eight arms
<b>novem-</b>	9 novena:	prayers said over nine days
<b>deka- or deca-</b>	10 decade:	a period of 10 years
<b>cent- hundred</b>	century:	a period of 100 years
<b>hecto-hundred</b>	hectogram:	100 grams
<b>milli- thousand</b>	millennium:	a period of 1,000 years
<b>kilo- thousand</b>	kilogram:	1,000 grams
<b>mega-million</b>	megaton:	one million tons

**giga- billion**      gigawatt:      one billion watts

### Prefixes-Colors

IMS (Information mangmant system)	
Leuk/o	white
Erythr/o	red
Xanth/o	yellow
Melan/o	black or dark
Chlor/o	green
Cyan/o	blue
Purpur/a	Purple
Aureus	Golden
Polio	Gray

### Prefixes of time or speed

Prefixes	Meaning
Tachy	abnormally fast
Brady	abnormally slow
Pre	before or in front of Post behind or after

### Examples of Suffixes Indicating Condition

<u>Suffix</u>	<u>Condition of Root Foundation</u>
-ion	occlusion (bite)
-ism	bruxism (tooth grinding)
-itis	arthritis (joint inflammation)
-ity	acidity (acid)
-ium	bacterium (germ)
-olus	alveolus (air sac)

-oma	lipoma	(fat tumor)
- myopathy	(a disease of muscle tissue)	
-ant	etchant	(etching)
-icle	vesicle	(small bliste)
-ule	molecule	(small bit of matter)
-ia	anesthesia	(without feeling)
-tic	necrotic	(dead tissue)
-tion	mastication	(chewing)
-rry	slurry	(plaster water mix)

### Prefixes Denoting Conditions

Prefix	Meaning	Example
Ambi-	Both	Ambidextrous
An iso-	Unequal	An isochromatic
Dys-	Bad, difficult, or painful	Dysphoria
Eu-	Good or normal	Euglycemia
Hetero-	Different	Heterogeneous
Homo-	Same	Homogeneous
Hyper-	Above or excessive	Hyperthyroidism
Hypo-	Below or deficient	Hypo acidic
Iso-	Equal or same	Isotonic
Mal-	Poor or bad	Mal absorption
Megalo-	Large	Megalocyte

## Language And Medical Terminology

### Standard Terms

The following terms are used to denote *direction of movement, position, and location*.

## **anatomical posture**

**Afferent:** conducting toward a structure.

**Efferent:** conducting away from a structure.

**Extension:** stretching, or moving jointed parts into or toward a straight condition

**Flexion:** bending, or moving jointed parts closer together.

**Medial rotation:** rotating inward toward the body's midline.

**Lateral rotation:** rotating outward away from the body's midline.

**Left lateral recumbent:** lying horizontal on the left side.

**Palmar:** concerning the inner surface of the hand.

**Plantar:** concerning the sole of the foot.

**Central:** at, or forming the center.

**Peripheral:** away from a central structure.

**protraction:** a pushing forward, as the mandible.

**Retraction:** a drawing back, as the tongue.

**Pronation:** lying face downward or turning the hand so the palm faces downward or backward.

**Right lateral recumbent:** lying horizontal on the right side.

**Rotation:** turning around an axis.

**Circumduction:** circular movement of a part.

**Recumbent:** lying horizontal, generally speaking.

**Dorsiflexion:** bending backward.

**Elevation:** raising a body part.

