





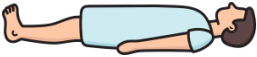


CONCEPT: MUSCULAR SYSTEM VOCABULARY

Medical Terms

◆ Medical terms describing the pathology of the muscular system.

Medical Term	Definition	Memory Tool
RICE (First Aid Treatment)	First-aid to treat pain & bodily damage.	R est I ce C ompression E levation
Talipes (Clubfoot) (ta-luh-pee-z)	_____ congenital deformity where a foot turns in and downward.	 T Aking I n P ain E ach S tep
Ganglion Cyst	_____ -cancerous, fluid-filled lump that appears on wrists or ankles.	 Cyst on wrist
Carpal Tunnel Syndrome	Nerve becomes _____ causing pain and numbness.	
Gower Maneuver (gow-er)	Weakness from muscular dystrophy requiring a child "_____" up their leg into a standing position.	 G et O n W alking E rect R ising
Flaccid	Muscle that _____ tension and resistance.	 Floppy Fish
Tetany	_____ voluntary muscle spasms and cramps.	 T ighten- y
Rigor Mortis	Stiffness of skeletal muscle after death.	 R igid M uscles

CONCEPT: MUSCULAR SYSTEM VOCABULARY

EXAMPLE

Which of the following statements is true?

- a) Carpal Tunnel Syndrome involves pain between the tarsal and carpal bones.
- b) A flaccid muscle is one that losses tone and becomes soft and limp.
- c) Tetany is a neuromuscular disorder caused by hypocalcemia, abnormally high blood calcium levels.
- d) A ganglion cyst is a malignant growth that commonly appears on the wrist.

PRACTICE






Which of the following conditions could be improved through weekly manual manipulation, cast setting, followed by a schedule of leg braces to maintain correction?

- a) Ganglion Cyst
- b) Flaccid myoparaosis
- c) Talipes
- d) Carpal Tunnel Syndrome

CONCEPT: MUSCULAR SYSTEM VOCABULARY

Body Positions

- ◆ These terms are used to designate the _____ of the human body.
 - Primarily used in describing a patient's _____ during examinations and surgical procedures.

Medical Term	Definition	Memory Tool
Lateral	Body lying on one _____ with top leg in front of bottom leg.	 Late Ral: L eft and R ight
Fowler	Sitting position with body elevated at around _____ angle.	 Fowler Howler
Trendelenburg	Body lying face up on an inclined surface with head down and feet up.	 Head Trending down
Orthopneic (or-THAH-p-nee-ik)	Body leaning forward and resting your hands or arms on your knees or table to improve _____.	 Un Ortho dox Breathing (-pnea)
Lithotomy lith/o = stone -tomy = cutting into	Body lying face up with legs raised, _____, & in stirrups.	 L ying down L style

CONCEPT: MUSCULAR SYSTEM VOCABULARY

EXAMPLE

Which of the following medical situations would it be more appropriate to use the lithotomy position rather than the fowler position?

- a) A person undergoing a routine pelvic examination.
- b) A person under respiratory distress and needs to improve lung capacity.
- c) A patient recovering from a neck surgery and needs to be comfortable.
- d) A patient with a nasogastric tube used for feeding.

PRACTICE

Which of the following is a physiological risk of the Trendelenburg position?

- a) Decreased pressure on the diaphragm.
- b) Decreased cranial pressure.
- c) Increased respiratory capacity.
- d) Increased cranial pressure.

CONCEPT: MUSCULAR SYSTEM VOCABULARY

Diagnostic and Laboratory Terms

- ◆ Medical terms that relate to diagnostic and laboratory _____ relating to the muscular system.
 - Measure concentration of enzymes and link them to tissue health.
 - The _____ the enzyme concentration, the _____ the tissue damage or disease.

General Tissue Enzyme:

- ◆ Lactic Dehydrogenase Blood Test (**LD**)
 - Found in nearly _____ living cells.

LD: _____eaky _____amaged Cells

Skeletal Muscle Enzymes:

- ◆ Creatine Kinase Blood Test (**CK**)
- ◆ Aldolase Blood Test (**ALD**)

CK: Creatine = _____ muscle

ALD: _____ways _____eclining muscles

- ◆ Some tests measure minerals rather than enzymes.

Calcium Blood Test (Ca)

- ◆ Measures _____ calcium.
 - _____calcemia = fatigue & muscle weakness.
 - _____calcemia = muscle cramps & numbness.

EXAMPLE

A 53-year-old patient with an autoimmune disease that targets red blood cells is showing signs of fatigue, jaundice, and dark urine. Laboratory tests are needed to confirm possible hemolytic anemia. Which of the following enzyme lab tests would be best in determining the extent of red blood cell damage?

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- a) Calcium Blood Test
 - b) Creatine Kinase Blood Test
 - c) Lactic Dehydrogenase Blood Test
 - d) Aldolase Blood Test

CONCEPT: MUSCULAR SYSTEM VOCABULARY

PRACTICE

Which of the following conditions could the creatine kinase blood test be used to determine?

- a) Fibrosarcoma
- b) Myositis
- c) Osteosarcoma
- d) Optic neuritis