CONCEPT: SKELETAL SYSTEM VOCABULARY

Medical Terms

◆ Medical terms describing pathology and fractures of the skeletal system.

Medical Term	Definition	Memory Tool
Rheumatoid	autoimmune disease marked by joint inflammation.	X
Genu valgum (Knock-knee)	Condition where knees touch, but ankles are	valGUM
Genu varum (bowleg)	Condition where knees angle out, but the ankles are	vaRUM
Gout	Dietary acute arthritis marked by foot joint inflammation.	
Rickets	Disease causing weak, soft bones from Vitamin deficiency.	Sickly Cricket.
Hallux	or great toe.	Hallux-ination.
Acetabulum	shaped socket in the pelvis that forms the hip joint.	A-Cup- Tabulum.

Medical Term	Definition	Memory Tool
Symphysis	A joint where 2 bones are connected by fibrocartilage.	Symphony of fibers.
Comminuted Fracture	Severe bone breakage into or more separate pieces.	Commotion fracture.
Compound Fracture	Bone breakage through the	COMes out.
Compression Fracture	Bone breakage from pressure leading to collapse or shortening.	Under PRESSure.
Greenstick Fracture	Typical amongst the young; an incomplete bone breakage from side.	Green Tree Snapping.
Oblique Fracture	Bone breakage at an 	Oh, that's a bleak angle!
Transverse Fracture	Complete bone breakageacross a bone.	Traverse fracture.

EXAMPLE

A nurse is reviewing the cases of 4 patients newly admitted into the emergency room. All of them have injuries after a tumble. Based on each of their descriptions, who is most likely to have a greenstick fracture?

- a) Patient A: A 37-year-old man who fell down the stairs and has a history of brittle bone syndrome.
- b) Patient B: A 50-year-old woman who hurt her wrist and has a history of osteoporosis.
- c) Patient C: A 5-year-old boy who fell out of a tree with outstretched arms that are now visibly swollen.
- d) **Patient D:** A 21-year-old quarterback who was tackled during a game and heard a pop in his arm.

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PRACTICE

An 8-year-old child is taken to an orthopedic clinic by his parents because of concerns with his gait. They tell the doctor that when he walks his knees seem to bump into one another. Which of the following choices identifies the child's condition and his leg alignments?

- a) Genu varum; the knees angled inward, towards the midline of the body.
- b) Genu valgum; the knees angled outward, away from the midline of the body.
- c) Genu varum; the knees angled outward, away from the midline of the body.
- d) Genu valgum; the knees angled inward, towards the midline of the body.

PRACTICE

Which of the following is a defining characteristic of a comminuted fracture?

- a) Bone fragments that become exposed to the outside environment.
- b) The bones are broken into 3 or more pieces because of a traumatic event.
- c) A bone fragment is broken off from the rest of the bone at a tendon.
- d) The bone is broken straight across at an acute angle to the length of the bone.

PRACTICE

A radiologist ordered a radiograph for a biker's left leg after he sustained an injury from an accident. The image showed a complete fracture of the tibia bone. There was no visible bone protrusion. The fracture line cuts across the bone in a straight line that runs horizontally to the long axis of the bone. Based on this description, what type of fracture did the radiologist see?

- a) Transverse
- b) Oblique
- c) Comminuted
- d) Compound

CONCEPT: SKELETAL SYSTEM VOCABULARY

Medical Procedures

◆ Terms that relate to surgical or diagnostic _____ relating to the skeletal system.

Medical Term	Definition	Memory Tool
Reduction	alignment of bone fragments.	REDUCe the separaTION
Traction	Continuous pulling force on a body part to restore alignment.	Tractor Pulling
Spinal Fusion	Permanently multiple bones of the spine.	7000000
Dual-Energy X-Ray Absorptiometry (DEXA Scan)	Measuring bone density usingdose X-rays to detect osteoporosis.	Don't Expect X-Rays Absorbed
Computerized Tomography (CT Scan)	scanning system providing cross-sectional and 3D images.	Computerized Technology
Magnetic Resonance Imaging (MRI Scan)	Body imaging method using radio waves in a field.	Magnets Radiate Inside

EXAMPLE

Which of the following could be a primary goal from a spinal fusion procedure?

- a) To mitigate painful motion by permanently joining multiple vertebrae.
- b) To increase the flexibility and motion in the spine.
- c) To replace the affected lumbar region with an artificial vertebral disc.
- d) To compress the spinal cord without changing its overall stability.

PRACTICE

A doctor needs a comprehensive scan of a patient's tissues which include the brain, spinal cord and muscles.

The 89-year-old patient suffered a heart blockage decades ago and had a nickel-based cardiovascular stent implanted. Based on their medical history, which of the following body scans would be least ideal? (**Hint:** Think of attractive and repulsive forces that affect metals.)

- a) DEXA Scan
- b) CT Scan
- c) Spinal Fusion
- d) MRI Scan