HS-SM-4 Injury Classification

Understanding Injury Classification and Evaluation

Objective:

Students will be able to differentiate between evaluate and diagnose, distinguish between a sign and a symptom, and identify and demonstrate appropriate anatomical structures to palpate during an injury evaluation.

Assessment:

Students will participate in a scenario-based activity where they must evaluate a series of injury cases and correctly differentiate between signs, symptoms, and anatomical structures to palpate.

Key Points:

- Understanding the difference between evaluation and diagnosis
- · Differentiating between signs and symptoms in injury assessment
- Identifying and demonstrating anatomical structures for palpation during evaluation

Opening:

- Introduction to the lesson objective and relevance
- Engage students with a scenario where they have to decide what actions to take in a given injury situation

Introduction to New Material:

- Differentiate between evaluate and diagnose by providing examples
- Discuss the difference between signs and symptoms with clear illustrations
- Address the appropriate anatomical structures to palpate during an injury evaluation
- Common misconception: Students often confuse signs and symptoms in injury assessment

Guided Practice:

- Engage students in role-playing scenarios where they practice differentiating between signs and symptoms
- Provide examples for students to practice identifying anatomical structures for palpation
- · Monitor student performance through active questioning and feedback

Independent Practice:

- Students will analyze injury cases individually, differentiating between signs, symptoms, and appropriate
 anatomical structures to palpate
- They will demonstrate their understanding by creating their own injury assessment scenarios

Closing:

- · Quick recap of the key differences between signs and symptoms in injury assessment
- Reflect on the importance of correctly identifying anatomical structures during an injury evaluation

Extension Activity:

Students who finish early can research a real-life injury case and present their findings to the class

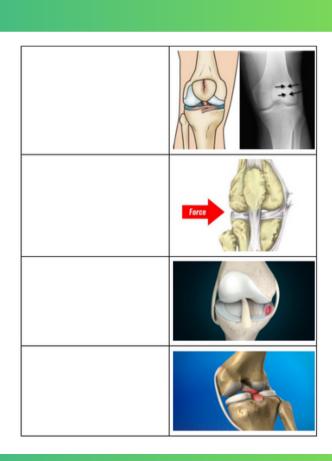
Homework

 Research a specific type of injury and create a detailed injury assessment plan including evaluation, differentiation between signs and symptoms, and palpation techniques.

Standards Addressed:

- . HS-SM-4.1: Students will differentiate between evaluation and diagnoses during an injury assessment.
- HS-SM-4.2: Students will distinguish between a sign and a symptom in the context of an injury
 evaluation.

Common Injuries of the Knee:	
Name of Injury and What Treatment is Needed:	Injury:
	PAIN
	britannesister Cases sinder Sourcestimes No peri



njury Classification and Tissue Healing Test VERSION 1. What phase of healing does vasodilation occur during?

- - A. Subacute/Repair and Regeneration Phase
 - B. Remodeling/Maturation Phase
 - C. Acute/Inflammation Phase
- 2. What is the purpose of vasodilation?
 - A. To restrict the amount of white blood cells to the area
 - B. To increase swelling
 - C. To flush out debris
 - D. To decrease blood pressure
- 3. What type of fracture usually occurs in children?
 - A. Spiral
 - B. Greenstick
 - C. Compression
 - D. Comminuted
- 4. What type of fracture usually occurs in the elderly?
 - A. Transverse
 - B. Longitudinal
 - C. Greenstick
 - D. Compression
- 5. What type of fracture occurs along the hori:
 - A. Transverse
 - B. Spiral
 - C. Longitudinal
 - D. Depressed
- 6. Which of the following is NOT a sign of infla
 - A. Pain
 - B. Heat
 - C. Edema
 - D. Ecchymosis

- 7. What is hypoxia?
 - A. Increased breathing
 - B. Increased amount of oxygen
 - C. Decreased breathing
 - D. Decreased amount of oxygen

Match the information given with the phase it is associated with.

- A. Acute
- B. Regeneration
- C. Remodeling
- 8. Starts week 3-4 and can last over a year
- 9. Starts immediately after injury and lasts approx. 72 hours
- 10. Starts 48 hours after injury and lasts until approx. week 6 from injury
- 11. Scar tissue is laid down
- 12. Scar tissue begins resembling the tissue surrounding it
- 13. Inflammation occurs

For the following scenarios, what degree of injury is described?

- A.11 Degree
- B.2nd Degree
- C. 3rd Degree

amstring and falls

f pain. You ask him

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14. A pitcher throws a pitch and feels a pop in his elbow. When he comes to the dugout you notice a bulge at his elbow. The pitcher tells you he is in no nain but he can't flow his wrist

Match the following descriptions with the disease.

- A. Shock B. Internal Bleeding C. Ruptured Spleen
 - D. Appendicitis E. Anaphylactic Shock
- 32. Symptoms include shock, dizziness, and ecchymosis
- 33. Pain in upper left abdomen and left shoulder
- 34. Pain between umbilicus and right hip
- 35. Lay the person down and slightly elevate legs
- 36. An allergic reaction to an antigen
- A. Seizure B. Fainting C. Diabetes D. Asthma E. Hernia
 - 37. Use an inhaler if available
 - 38. The inability of the body to control the amount of sugar in the body
 - 39. Temporary loss of consciousness
 - 40. Gently lower patient to ground and move anything that could harm the
 - 41. Bulge in the area of weakened abdominal tissue
- A. Ringworm B. Athlete's Foot C. Impetigo D. MRSA E. Eczema
 - 42. Red sores that ooze and dry with a yellowish-brown crust
 - 43. Painful red bumps that appear like spider bites
 - 44. Moisturizing can help but may need medication
 - 45. Keep area dry and use anti-fungal medication
 - 46. Circular patch of flat scaly skin

Short Answer: Answer the following questions on a separate sheet of paper.

- 47. What is Wolff's law? Give an example.
- 48. What is Davis's law? Give an example.
- 49. What is the function of a ligament and a tendon?
- 50. What is acclimatization?

17. Stretch and rehydrate 18. Remove wet clothing

19. Numbness in extremities

A. Muscle Cramps

- 20. Muscle spasms involuntarily 21. Ice bath and call 911
- 22. Core temperature under 95 degrees
- 23. Core temperature over 104 degrees

For the following scenarios, what temperature

D. Hypothermia

B. Heat Exhaus

- 24. Cool and moist/clammy skin
- 25. Wet Bulb Globe Thermometer DOES NO A. Wind chill
- B. Radiant temperate
 - C. Humidity
 - D. Ambient temperature
- 26. What is the best way to clean a lightly soiled area?
 - A. Saline
 - B. Peroxide
 - C. Betadine
 - D. Alcohol
- Match the description with the skin wound.
- A. Abrasion B. Avulsion C. Laceration D. Incision E. Blister
 - 27. Surgical cut or tear in the skin
 - 28. Pulling of the skin completely off or mostly off
 - 29. Layers of skin scraped off
 - 30. Cut or tear in the skin
 - 31. Collection of fluid under the skin

HS-SM-4 4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, 4.8, 4.9, 4.10, 4.11



Power Points with Classroom discussions help solidify the understanding of classification of injuries. 4.1, 4.2, 4.3, 4.4, 4.8, 4.9

