



BAKER COLLEGE
STUDENT LEARNING OUTCOMES

PTA2250 Clinical Pathology
2 Semester Hours

Student Learning Outcomes & Enabling Objectives

At the completion of the course, the student will be able to perform the following outcomes with a minimum competency of 77% (C+) or better:

1. Explain injury, inflammation and healing at the cellular, tissue and organ level for multiple systems and the impact on physical therapy treatment.
 - a. Describe the cellular response to injury.
 - b. Compare and contrast acute, subacute, and chronic stages of healing.
 - c. Explain how the stage of healing impacts physical therapy treatment.
2. Investigate common disorders of the integumentary system and the physical therapy implications.
 - a. Discuss the etiology, management and prevention of decubitus ulcers.
 - b. Explain the classifications and management of burns for adults and children.
 - c. Describe the role of physical therapy in the treatment of integumentary conditions.
3. Explain common musculoskeletal pathologies including medical and physical therapy management.
 - a. Describe patient presentation and prognosis associated with select musculoskeletal pathologies including osteoarthritis, osteoporosis, fracture, dislocation and common soft tissue injuries.
 - b. Summarize medical management of select musculoskeletal disorders including common tests, procedures and medications.
 - c. Discuss physical therapy treatment implications for patients with select musculoskeletal pathologies.
4. Explain common metabolic and endocrine pathologies including medical and physical therapy management.
 - a. Compare and contrast hyperthyroidism and hypothyroidism.
 - b. Describe patient presentation and prognosis associated with select metabolic and endocrine disorders including Type I and Type II Diabetes Mellitus.
 - c. Summarize medical management of select metabolic and endocrine disorders including common tests, procedures and medications.
 - d. Discuss physical therapy treatment implications for patients with select metabolic and endocrine system pathologies.

5. Investigate common medical conditions involving other systems including the medical and physical therapy management.
 - a. Describe common disorders involving the following systems:
 - i. Gastrointestinal Systems
 - ii. Genitourinary System
 - iii. Lymphatic System
 - iv. Hematological System
 - b. Summarize medical management of select disorders including common tests and procedures.
 - c. Discuss physical therapy treatment implications for patients with select pathologies involving other systems.
 6. Compare diseases that involve system interactions including medical and physical therapy management.
 - a. Describe common diseases where the primary impact is on more than one system, including cancer, autoimmune disorders, sarcoidosis and multi-trauma.
 - b. Summarize the medical management including common tests and procedures.
 - c. Discuss pharmacological management and the implications of polypharmacy.
 - d. Recognize the psychosocial aspects of multi-system disease.
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Big Ideas and Essential Questions

Big Ideas

- Common pathologies
- Clinical presentation
- Medical and pharmacological management
- Physical therapy implications
- Disease prevention

Essential Questions

1. How are bodily systems impacted by disease?
 2. How do different diseases present and impact function?
 3. How is a disease diagnosed and medically managed?
 4. How does knowledge of a pathology benefit the Physical Therapist Assistant in working with a patient?
 5. What role does a Physical Therapist Assistant play in the prevention of disease?
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These SLOs are not approved for experiential credit.

Effective: Fall 2023