PTA 20 Pathology

Student Learning Objectives

As evidenced by successful completion of written and practical examinations, lab activities, assignments, research article reviews, and the role-playing and analysis of clinical scenarios, the student will:

1.0 Demonstrate an understanding of general principles of disease and disease prevention.
1.1 Discuss the general causes and characteristics of disease.
1.2 Identify signs and symptoms associated with major health problems.
1.3 Identify implications health problems may have on the practice of physical therapy.
1.4 Describe and summarize methods of disease prevention.
1.5 Discuss the importance of universal precautions.
1.6 Distinguish the major components of universal precautions and isolation techniques.
1.7 Assess signs (observation, vital signs, etc.) and symptoms presented by a patient in order to make a judgment in relations to the patient’s need for immediate medical supervision.

2.0 Demonstrate an understanding and recognition of common musculo-skeletal pathologies and their management and treatments.
2.1 Explain the basic anatomy and function of the musculo-skeletal system.
2.2 Describe the etiology, pathology, signs, symptoms and prognosis of common orthopedic disorder including: strains, sprains, joint derangements, fractures and dislocations, bursitis, tendonitis, synovitis, capsulitis, arthritis, muscle contractures and spasm, scoliosis, back pain and osteoporosis.
2.3 State medical management strategies for common musculo-skeletal pathologies.
2.4 Summarize and list general physical therapy treatment goals for common orthopedic disorders including: strains, sprains, joint derangements, fractures and dislocations, bursitis, tendonitis, synovitis, capsulitis, arthritis, muscle contractures and spasm, scoliosis, back pain and osteoporosis.
2.5 Identify appropriate rehabilitation services to accomplish treatment goals.
3.0 Demonstrate an understanding and recognition of common neurological pathologies and their management and treatments.

3.1 Explain the basic anatomy and function of the nervous system.

3.2 Describe the etiology, pathology, signs, symptoms and prognosis of common neurological disorders including peripheral neuropathies, Parkinson’s, multiple sclerosis, cerebral palsy, Alzheimer’s, traumatic brain injury, cerebral vascular accident, and spinal cord injuries.

3.3 State medical management strategies for common neurological disorder.

3.4 Summarize general physical therapy treatment goals for common neurological disorders including: peripheral neuropathies, Parkinson’s, multiple sclerosis, cerebral palsy, Alzheimer’s, traumatic brain injury, cerebral vascular accidents, and spinal cord injuries.

3.5 Identify appropriate rehabilitation services to accomplish treatment goals.

4.0 Demonstrate an understanding and recognition of common cardio-pulmonary disorders pathologies and their management and treatments.

4.1 Explain the basic anatomy and function of the cardio-pulmonary systems.

4.2 Describe the etiology, pathology, signs, symptoms and prognosis of common cardio-pulmonary disorder including: chronic obstructive pulmonary diseases, pneumonia, cystic fibrosis, coronary artery disease, and myocardial infarction.

4.3 State medical management strategies for common cardio-pulmonary disorders.

4.4 Summarize and list general physical therapy treatment goals for common cardio-pulmonary disorder including: chronic obstructive pulmonary diseases, pneumonia, cystic fibrosis, coronary artery disease, and myocardial infarction.

4.5 Identify appropriate rehabilitation services to accomplish treatment goals.

5.0 Demonstrate an understanding and recognition of common medical conditions and their management and treatment.

5.1 Describe the etiology, pathology, signs, symptoms and prognosis of common medical conditions including: diabetes mellitus, AIDS/HIV, secondary deconditioning, oncologic, and ventilation conditions.

5.2 State medical/surgical management strategies for common medical conditions.
5.3 Summarize and list general physical therapy treatment goals for common medical conditions including: diabetes mellitus, AIDS/HIV, secondary deconditioning, oncologic, and ventilation conditions.

5.4 Identify appropriate rehabilitation services to accomplish treatment goals.

6.0 Demonstrate appropriate professional behavior

6.1 Attends and is on time for class, lab, and scheduled appointments.

6.2 Is prepared for lab activities; attends to tasks assigned.

6.3 Accept constructive criticism and respond and/or follow through appropriately.

6.4 Maintain appropriate personal hygiene.

6.5 Treat others with positive regard, dignity and respect.

6.6 Analyze and examine professional literature considering: specific scientific methods, interpretation of results, and clinical significance in order to foster further personal investigation and clinical effectiveness.

6.7 Explain the importance of lifelong learning.

6.8 Describe how professional development can occur.