University of Dayton
Doctor of Physical Therapy Program

DPT 953 Orthopedic Clinical Objectives

Overall Course Goals and Objectives including student learning outcomes

At the completion of this course, the student will, with Advanced Intermediate performance on the Clinical Performance Instrument (utilizing Clinical Performance Instrument anchor definitions and performance dimensions), be able to:

1. Establish patient and peer rapport through effective communication skills. (7D5, 7D7, 7D8, 7D12)

2. Perform examinations for orthopedic patients. This includes a comprehensive patient chart review, patient history, and physical examination. It requires the student to relate the patient’s co-morbidities, medications, laboratory findings, imaging, and results of medical screens to the patient’s current condition and examination findings. The tests and measures to be used include but are not limited to (6L, 7D10, 7D11, 7D17, 7D18, 7D19):
   a. Assessment of functional capacity (7D19f, 7D19h)
   b. Analysis of physical space including identification of current and potential barriers, measurement of space, and inspection of the environment (7D19h)
   c. Body mechanic analysis of selected task and activities (7D19f, 7D19h)
   d. Analysis of biomechanical, kinematic, and kinetic aspects of gait, locomotion and balance (7D19d, 7D19i, 7D19M)
   e. Assessment of skin integrity including color, warmth, sensation, mobility, turgor, texture and positions and postures that may jeopardize skin integrity (7D19j)
   f. Assessment of scar tissue (7D19j)
   g. Joint integrity and mobility including assessment of hyper and hypomobility and joint play (7D19k)
   h. Assessment of dexterity, coordination, agility, and physical performance scales (7D19n)
   i. Assessment of oromotor, phonation and speech production (7D19g)
   j. Analysis of pain behavior and reaction during movement including use of questionnaires, graphs, and scales (7D19q)
   k. Analysis of resting, static/dynamic postures using plumb lines, posture grids, videos, etc. (7D19r)
   l. Analysis of functional range of motion, environment, and tasks (7D19s, 7D19f, 7D19h)

3. Evaluate data from the examination and determine a PT diagnosis that guides patient/client management, using the International Classification of Functioning, Disability, and Health (ICF). (7D20, 7D21, 7D22, 7D23)

4. Determine appropriate treatment strategies and patient-centered outcomes and goals. Interventions may include but are not limited to (7D24, 7D27):
   a. Wound care management including adaptive and protective devices, debridement and physical and mechanical agents (7D27e)
   b. Electrotherapeutic modalities including, muscle stim, and iontophoresis (7D27c)
c. Functional training including adaptive and protective equipment, ergonomic training, injury prevention, leisure, and play activity training (7D27d)
d. Manual therapy techniques (i.e. connective tissue massage, joint mobilization, manual traction, soft tissue mobilization, and massage) (7D27f)
e. Mechanical traction (7D27c)
f. Therapeutic exercise including body mechanics and ergonomics, gait, locomotion, and neuromuscular education/reeducation, relaxation and inhibition (7D27g, 7D27i)

5. Examine all aspects of a patient's diagnosis using appropriate resources, including but not limited to computers, text books, other health care providers, and information gained from the patient. (7D11)

6. Select outcome measures to assess effectiveness of treatment and monitor and adjust the plan of care in response to patient/client status. (7D30, 7D31)

7. Interact successfully with payers, ancillary services, health care services, and make recommendations or referrals as appropriate. (6F, 7D4, 7D5, 7D7, 7D16)

8. Discuss core elements of interprofessional healthcare with various members of the healthcare team. (6F)

9. Participate in the financial management of the department. (7D42)

10. Determine those components of interventions that may be directed to the physical therapist assistant (PTA) upon consideration of: (1) the needs of the patient/client, (2) the PTA's ability, (3) jurisdictional law, (4) practice guidelines/policies/codes of ethics, and (5) facility policies. (7D25)

11. Complete documentation that follows professional guidelines, guidelines required by health care systems, and guidelines required by the practice setting. (7D32)

12. Plan and prepare for appropriate patient discharge. (7D36)

13. Practice using principles of risk management and respond effectively to patient/client and environmental emergencies. (7D37, 7D33)

14. Present a project, in-service or case report to the affiliation site's staff. (7D12)

15. Assess your own clinical performance using tools such as reflective writing and the PT CPI Web evaluation instrument. (7D5)