University of Dayton
Doctor of Physical Therapy Program

DPT 952 Neurological Clinical Objectives

At the completion of this course, the student will, with Intermediate to Entry-Level 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 neurological 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 exams and measures to be used include but are not limited to (6L, 7D10, 7D11, 7D17, 7D18, 7D19):
   a. Assessment of arousal attention and cognition using standardized measures (7D19l)
   b. Assessment of level of consciousness and memory (7D19l)
   c. Assessment of orientation to person, place, time and events (7D19l)
   d. Analysis of assistive and adaptive devices and components (7D19c)
   e. Assessment of alignment and fit of assistive device as well as patient’s ability to use it (7D19c)
   f. Utilization of ADL scales or indexes (7D19f)
   g. Assessment of cranial nerve integrity including dermatomes, gag reflex, swallowing, and muscles innervated by cranial nerves (7D19g)
   h. Assessment of response to auditory, gustatory, olfactory, visual and vestibular stimuli (7D19g)
   i. Analysis of kinematics including gait on various terrains and surfaces and safety assessment (7D19i)
   j. Analysis of stereotypic movements, postural equilibrium, and righting reactions (7D19n, p)
   k. Assessment of sensorimotor integration and Motor Assessment scales (7D19p)
   l. Assessment of muscle tone and functional strength, power and endurance (7D19n)
   m. Neuromotor development and sensory integration including age and sex appropriate development, involuntary movement, reflex movement patterns, gross and fine motor skills, and motor control and motor learning (7D19P)
   n. Assessment of pain perception (e.g. phantom pain) (7D19q)
   o. Analysis of self-care and home management activities including safety and adaptive skills (7D19f)
   p. Sensory integrity including combined cortical sensations, deep sensations, gross receptive, and superficial sensations (7D19u)

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 include but are not limited to (7D24, 7D27):
   a. Assistive cough techniques and suctioning (7D27a)
   b. Electrotherapeutic modalities including functional and neuromuscular electric stimulation (7D27c)
   c. ADL training and assistive and self-care or home management task adaptation (7D27d)
   d. Assistive and adaptive devices (beds, raised toilet seats, seating systems...) (7D27b)
   e. Balance and coordination training, developmental activities, motor learning, and therapeutic exercise (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)