

Strategic Plan for The Department of Physical Therapy for Neurology and its Surgery (2021-2025)

Mission: The Department of Neurological Physical Therapy advocates for advances in societal health by optimizing functional ability and human performance for individuals with neurological disorders, through excellence in education, research, specialized clinical practice, and service.

Vision: By integrating education, research, clinical practice, and service, the Department of Neurological Physical Therapy excels in:

- Graduating culturally competent professionals capable of delivering excellent client-centered clinical care in neurological rehabilitation through critical thinking, evidence-based practice, and lifelong learning.
- Generating new knowledge and evidence that enhances neurological physical therapy science and supports clinical practice through expertise, innovation, technology, and science.
- Guiding and promoting the physical therapy profession and neuro-rehabilitation science through engagement with scientific and professional organizations as well as local, national, and international communities.

Values: These values will serve as the basis for the Department of Neurological Physical Therapy to fulfill its mission and achieve its vision:

- Excellence
- Leadership
- Diversity, cultural competence, and inclusivity
- Social responsibility
- Collaboration and communication
- Respect, ethical behaviour, integrity, and professionalism

Goal 1: Achieve national and international pre-eminence with collaborations and inter-professional partnerships

- Objective A: Establish a Program Project and/or Center of Excellence specializing in addressing neurological diseases and disability (e.g., Stroke, Spinal Cord Injury, Parkinson's Disease).
- Objective B: Create Advanced Clinical Training Programs in Neurological Physical Therapy.
- Objective C: Maximize interprofessional spheres of influence and utilization of available resources.

Goal 2: Ensure an infrastructure of human and physical resources that promotes efficient, effective, progressive, and cutting-edge operations

- Objective A: Complete a post-graduate plan to sustain efficient and effective practices.
- Objective B: Develop a master's and doctoral plan to recruit, develop, and retain qualified, talented, and diverse faculty, staff, and students to support departmental programs.
- Objective C: Utilize appropriate advanced technologies (e.g., gait analysis systems, virtual reality, robotic assistance) to maximize education, research, and service.

Goal 3: Establish a large number of researches that serve developing of knowledge in undergraduate courses and encourage Candide to involve on it.

- Objective A: Develop research papers about the new era in neuro-rehabilitation modalities (e.g., non-invasive brain stimulation, advanced biofeedback) and their effects on different body systems.
- Objective B: Utilize appropriate technologies to maximize the accuracy of neurological assessments such as biodex system as an objective method for balance evaluation.
- Objective C: Create or modify new neurological therapeutic techniques in dealing with different human body disorders (e.g., task-oriented training, constraint-induced movement therapy).
- Objective D: Optimize the role of specialized physical agents in treating neurological injury and rehabilitation.
- Objective E: Establish double-blind studies in dealing with new era in neurological physical therapy to estimate its effectiveness.
- Objective F: Integrate Artificial Intelligence (AI) with different era in neuro-rehabilitation science (e.g., AI-assisted diagnosis or treatment planning).

Goal 4: Ensure financial viability, sustainability, resiliency, and growth of the Department of Neurological Physical Therapy

- Objective A: Maximize and prioritize available financial resources and establish contingency plans.
- Objective B: Research and develop new recurrent funding sources.
- Objective C: Maximize advancement opportunities by increasing endowments, foundation, and discretionary fund raising.

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