



## **NEURO-PHYSIOTHERAPY**

### **GOALS:**

1. **Academic Excellence & Skill Development:** Provide high quality education to students to enhance their ability to assess, diagnose and treat neurological disorders based on neuro physiotherapy principles and evidence-based practice.
2. **Patient-Centered Care, Interdisciplinary Collaboration & Community Engagement:** Train students to develop personalized treatment plans based on the priority of patients' problems to enhance functional independence and quality of life in the hospital and communities including collaboration with other healthcare professionals.
3. **Research Promotion:** Encourage research activities to explore innovative approaches in neuro physiotherapy and contribute to the advancement of the field

### **OBJECTIVES:**

#### **Cognitive:**

1. Explain movement dysfunction due to neuromusculoskeletal disorders.
2. Analyze the movement dysfunction in terms of biomechanical and biophysical basis and arrive at appropriate physical therapy diagnosis using WHO-ICF with clinical reasoning.
3. Plan safe, realistic & time-bound goals based on the prognosis of the neurological disorder.
4. Discuss appropriate evidence-based physiotherapy interventions with clinical reasoning.
5. Identify factors which determine health and summarize the principles of chronic disease management related to neurological health.

### **Psychomotor:**

1. Develop skills to prioritize patient's problems and implement appropriate physiotherapy assessment tools/techniques ensuring a holistic approach to patient evaluation.
2. Design a plan of care with safe, realistic, measurable functional goals and outcomes for patients by selecting appropriate physiotherapeutic management strategies based on the best available evidence.
3. Demonstrate hands-on treatment skills to apply neuro-physiotherapeutic approaches, electrotherapeutic modalities, joint and soft tissue mobilizations and ergonomic advice for neuromusculoskeletal dysfunction
4. Review contextual factors to enhance performance of activities and participation in society to treat neurological patients with a holistic approach.

### **Affective:**

1. Develop behavioural skills and humanitarian approach while communicating with patients, relatives, society and co-professionals, to promote individual and community health.
2. Collaborate with other health care professionals to align rehabilitation goals with overall treatment plans.

### **TEACHING / LEARNING STRATEGIES:**

1. Lectures with audiovisual aids / PPT presentations
2. Practical sessions with hands-on training
3. Clinical training and bed-side teaching
4. Seminars & group discussion
5. Case presentations
6. Journal reviews
7. CPDs and workshops
8. Community based learning