

## **MPT (Musculoskeletal Physiotherapy)**

### **PROGRAM OUTCOME**

- PO1. Critically evaluate, prioritize and apply physiotherapy approaches, paradigms and techniques and utilize appropriate, evidence-based skills, techniques and practice in managing and treating people with injury, disability or illness in a range of health care and/or rehabilitation settings.
- PO2. To formulate hypothesis and clinical decision-making skills to assess and manage all musculoskeletal conditions
- PO3. To have detailed knowledge of musculoskeletal injury rehabilitation.
- PO4. To understand the pathomechanics of musculoskeletal injuries.

### **COURSE OUTCOME**

Applied Physiotherapeutics Paper I&II, Advances in Musculoskeletal Physiotherapy – (Part I & II)

- CO1. Identify, discuss & analyze, the Musculoskeletal dysfunction in terms of Biomechanical, Kinesiological and Biophysical basis & co-relate the same with the provisional diagnosis, routine radiological & electro-physiological investigations and arrive at appropriate functional diagnosis (ICF) with clinical reasoning.
- CO2. Apply recent evidence related to technique/ approaches/ technology etc. to treat & train patients with musculo-skeletal deficit in neonates, children, adults & geriatrics etc.
- CO3. Develop clinical reasoning incorporating theoretical basis and evidence-based guidelines & adopt diagnostic & therapeutic procedures based on it in the field of musculoskeletal physiotherapy.

## **MPT (Neurophysiotherapy)**

### **PROGRAM OUTCOME**

**At the end, the student will be able to;**

#### **OBJECTIVES:**

- PO1. Critically evaluate, prioritize and apply physiotherapy approaches, paradigms and techniques and utilize appropriate, evidence-based skills, techniques and practice in managing and treating people with injury, disability or illness in a range of health care and/or rehabilitation settings
- PO2. To have knowledge of basic sciences pertaining to Neurological system with sound clinical reasoning
- PO3. To have detailed knowledge of adult and pediatric neurological rehabilitation
- PO4. To understand the pathomechanics of spine and Extremities in Neurological Disorders
- PO5. To know evidence-based practice and advances in clinical reasoning
- PO6. To understand the mechanism of pain and dysfunction

### **COURSE OUTCOME**

Applied Physiotherapeutics Paper I&II, Advances in Neuro Physiotherapy – (Part I & II)

**At the end, the student will be able to;**

#### **OBJECTIVES:**

- CO1. Identify, discuss & analyze, the pathophysiological basis of the various Adult and Pediatric neurological disorders, the Neuromuscular and Biomechanical, Pathomechanical basis of the observed dysfunction, the involvement of all systems including sensory, cognitive, respiratory and co-relate the same with the provisional diagnosis, routine radiological & electro-physiological investigations and arrive at appropriate functional diagnosis (ICF) with clinical reasoning.

CO2. Develop clinical reasoning incorporating theoretical basis and evidence-based guidelines & adopt diagnostic & therapeutic procedures based on it in the field of Neurophysiotherapy.

CO3. Apply recent evidence related to technique/ approaches/ technology etc. to treat & train pediatric and adult clients with neurological disorders in view of mitigating impairments and enhancing functional ability and participation.

### **MPT (Cardiovascular & Respiratory Physiotherapy)**

#### **PROGRAM OUTCOME**

#### **At the end, the student will be able to;**

#### **OBJECTIVES:**

PO1. To critically analyze interactions between structure and function of human body, applied anatomy, physiology in physiotherapy practice pertaining to cardiovascular and pulmonary system with sound clinical reasoning, detailed knowledge of exercise physiology, cardio-pulmonary rehabilitation and fitness.

PO2. To assess and investigate functional diagnosis in cardiovascular and pulmonary conditions, outline and evaluate treatment goals, apply clinical decision-making skills to assess and design Physiotherapy treatment for people with cardiopulmonary conditions and to improve fitness.

PO3. To apply techniques of respiratory muscle strengthening, manual therapy techniques to improve lung hygiene, breathing control, ergonomics, cardiac and pulmonary rehabilitation

#### **COURSE OUTCOME**

#### **At the end, the student will be able to;**

#### **OBJECTIVES:**

Applied Physiotherapeutics Paper I&II, Advances in Cardiovascular & Respiratory Physiotherapy –  
(Part I & II)

- CO1. Know basics of applied anatomy, physiology & biomechanics with pathomechanics of the various cardiovascular and pulmonary diseases in both adult and pediatric age groups.
- CO2. Identify, discuss & analyze the various cardio-respiratory dysfunctions & correlate the same with the provisional diagnosis, routine radiological, electrocardiographical, pulmonary function & biochemical investigations and arrive at appropriate functional diagnosis with clinical reasoning.
- CO3. Apply recent evidence related to technique/ approaches/ technology etc. to treat & train patients with cardiovascular and pulmonary deficits in neonates, children, adults & geriatrics.

**MPT (Community Physiotherapy)**

**PROGRAM OUTCOME**

**At the end, the student will be able to;**

**OBJECTIVES:**

- PO1. To analyze biomechanics of human movement and apply biomechanical principles in Physiotherapy management, ergonomic and job analysis, especially in movement disorders in women, children, elderly and industry.
- PO2. To apply strategies for prevention of disabilities and to carry out early identification and intervention for disability prevention, advise the family members and community regarding interventions with disabled people, inform people regarding legislations on disability and developmental schemes and concessions to persons with disabilities.
- PO3. To design, implement and assess the effects of interventions and technology in the community-based rehabilitation and to become well-trained grass-root CBR functionaries.

## **COURSES OUTCOME**

**At the end, the student will be able to;**

### **OBJECTIVES:**

Applied Physiotherapeutics Paper I&II, Advances in Community Physiotherapy – (Part I & II)

- CO1. Acquire the in-depth understanding of the concept of community-based rehabilitation
- CO2. Be able to assist in planning and organization of camps at community level including urban and rural areas.
- CO3. Be able to work towards identifying various predisposing factors to illness in community and work towards Prevention of various disabilities and Promotion of Health
- CO4. Be able to impart services and training at the community level effectively with minimum resources
- CO5. Plan appropriate functional goals based on the patient's strengths and needs.
- CO6. To attain ability as a consultant and mandatory member of health professionals, involved in various sub- specialties such as Industrial Health, Geriatric Health, Mother and Child Care, Life- style disorders etc.