

Ref. No.: *DPCOP / AY-FY Program outcome / 2023-24 / 57*

Date : *01/04/2024*

Program Outcome

Final Year BPTh

At the end of final year students should be able to perform following

MUSCULOSKELETAL PHYSIOTHERAPY

- Identify, evaluate, analyze & discuss primary and secondary musculo-skeletal dysfunction, based on biomechanical, kinesiological & patho-physiological principles.
- Apply knowledge of psychosocial factors (personal and environmental factors in the context of disability associated with the musculo-skeletal system or multiple body systems) for behavioral and lifestyle modification and use appropriate training and coping strategies.
- Apply theoretical basis of physiological effects, indications, contraindications; and best available evidence on the effectiveness, efficacy and safe application guidelines for a full range of physiotherapeutic strategies and interventions, including appropriate modes of soft tissue & joint mobilization, electrotherapy, therapeutic exercise, and appropriate ergonomic

NEURO PHYSIOTHERAPY

- Be able to identify and analyze movement dysfunction due to neuromuscular skeletal disorders in terms of biomechanical and biophysical basis, correlate the same with the health condition, routine electrophysiological, radiological and biochemical investigations, and arrive at appropriate physical therapy diagnosis using WHO-ICF with clinical reasoning.
- Be able to select timely physiotherapeutic interventions to reduce morbidity and physiotherapy management strategies, suitable for the patients' problems and indicator conditions based on the best available evidence

CARDIO-VASCULAR & RESPIRATORY PHYSIOTHERAPY

- Plan, prescribe appropriate, safe physiotherapy interventions with clinical reasoning for and prevention of impairments, activity limitations, participation restrictions and environmental barriers related to cardio-vascular & pulmonary dysfunction in acute care settings, at home, work place, in society & in leisure activities
- Utilise skills such as executing exercise tests, PFT, Ankle brachial index, arterial & venous insufficiency tests




Principal
D P E S, Dhole Patil
College of Physiotherapy
Pune - 412207

- Utilise psychomotor skills to implement appropriate bronchial hygiene therapy, therapeutic exercise, electrotherapeutic modalities, CPR, Intensive (critical) care, joint and soft tissue mobilisations, offering ergonomic & energy conservation advice for patients with cardio-vascular & pulmonary dysfunction
- Utilize the skill to deliver cardiac, pulmonary & vascular rehabilitation

COMMUNITY PHYSIOTHERAPY

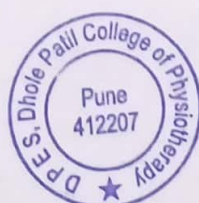
- The general concepts about health, disease and physical fitness. Physiology of aging process and its influence on physical fitness, National policies for the rehabilitation of disabled – role of PT.
- The strategies to access prevalence and incidence of various conditions responsible for increasing morbidity in the specific community – role of PT in reducing morbidity, expected clinical and functional recovery, reasons for non-compliance in specific community environment & solution for the same
- Be able to identify with clinical reasoning the prevailing contextual {e.g. environmental and psycho-social cultural} factors, causing high risk responsible for various dysfunctions and morbidity related to sedentary life style and specific community like women, children, aged as well as industrial workers and describe planning strategies of interventional policies to combat such problems at community level.
- Utilize the research methodology knowledge for formulation of a research question (synopsis)

PROFESSIONAL PRACTICE AND ETHICS

- Be able to understand the moral values and meaning of ethics, learn and apply ethical code of conduct in fields of clinical practice, learning, teaching, research and physiotherapist-patient relationship
- Develop psychomotor skills for physiotherapist-patient relationship and develop the skill to evaluate and make decisions for plan of management based on socio-cultural values and referral practice, develop behavioural skills and humanitarian approach while communicating with patients, relatives, society and co-professionals, bedside behavior, respect & maintain patients' confidentiality

ADMINISTRATION, MANAGEMENT & MARKETING

- Learn the management basics in fields of clinical practice, teaching, research and physiotherapy practice in the community, Acquire communication skills in relation with patients, peers, seniors and other professionals & the community, Acquire the knowledge of the basics in Managerial & Management skills, & use of Information technology in professional Practice
- Develop skill to evaluate and make decision for plan of management based on socio-cultural values and referral practice, behavioural skills and humanitarian



Principal
D P E S, Dhole Patil
College of Physiotherapy
Pune - 412207

approach while communicating with patients, relatives, society at large and co-professionals

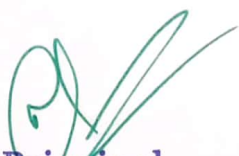
PRINCIPLES OF BIOENGINEERING

- Acquire knowledge about biomechanical principles of application of variety of aids & appliances used for ambulation, protection & prevention.
- Acquire in brief knowledge about various material used for splints/ Orthoses & prostheses and their selection criteria and acquire the skill of fabrication of simple splints made out of Low cost material

RESEARCH METHODOLOGY AND BIOSTATISTICS

- Enumerate the steps in Physiotherapy research process and describe the importance & use of biostatistics for research work and acquire skills of reviewing literature, formulating a hypothesis, collecting data, writing research proposal




Principal
D P E S, Dhole Patil
College of Physiotherapy
Pune - 412207