

Learning Outcomes for 1st year BPTb

1. The student should be able to identify & describe Anatomical aspects of muscles, bones, joints, their attachments & to understand and analyze movements
2. To understand anatomical basis of clinical conditions of cardiovascular & Respiratory system, Central nervous system and musculoskeletal system
3. Be able to describe physiological functions of various systems, with special reference to Musculo-skeletal, Neuro-motor, Cardio-respiratory, Endocrine, Uro-genital function, & alterations in function with aging
4. It covers basic biochemical, cellular, biological and microbiological processes, basic chemical reactions in the prokaryotic and eukaryotic cells, the structure of biological molecules, introduction to the nutrients i.e. carbohydrates, fats, enzymes, nucleic acids and amino acids
5. In the subject of Electrotherapeutics, students will acquire knowledge and learn application & uses of various electrotherapeutic modalities on models
6. In the subject of Exercise therapy, students will acquire knowledge and learn application & uses of basic exercises and Yoga in Physiotherapy

Learning Outcomes for 2nd year BPTb

1. Students will be able to understand the ethics and acquire communications skills, develop behavioural skills while communicating with patients, relatives, society at large and co-professionals.
2. Students will learn to recognize the pathological science and symptoms for serious disease also use information about pathology to decide when referrals to another healthcare provider are indicated.
3. Students will learn to recognize pathological science and symptoms considered as red flags for serious diseases via subjects of microbiology and pathology.
4. Students will acquire basic knowledge of pharmacology including administration, physiological response and adverse effects of drugs under normal and pathologic conditions. Furthermore, they will gain knowledge with focus on influence of drugs in rehabilitation of patients.
5. Students will become aware of psycho-social issues faced by individuals which will help them develop therapeutic relationships. It will enable students to interact effectively with patients and other healthcare professionals.
6. Students will be able to apply anatomical, physiological and kinesiological principles in various kinesiotherapeutic applications.
7. Students will develop and acquire skills of testing muscle strength, flexibility, balanced and gait. Furthermore, they can design effective exercise program while incorporating proper biomechanics.
8. Students will acquire skills of application of electrotherapy modes on models. They will learn physiological, therapeutic effects of various electrophysiological agents needed for appropriate patient care.

Learning Outcomes for 3rd year BPTb

1. Considering Cognitive and Psychomotor domains students should have the skills to evaluate and make decision for plan of management based on sociocultural values and referral practice
2. Describe pre-operative evaluation, surgical indication in various approaches, management and post operative care
3. Gain the skills to apply special test and be able to discuss aetiology, pathophysiology and clinical manifestation, conservative and surgical management of various musculoskeletal conditions
4. Be able to describe etiology, pathophysiology, signs and symptoms and management of various endocrinal, metabolic, geriatric and nutritional deficiency conditions
5. Acquire skills of history taking and clinical examination of Neurological and Paedric condition
6. Be able to understand the determinants of health and diseases, health care system, variants of health- mental, occupational and geriatric health and should be able to define socialization, social groups, family, community roles and culture
7. Be able to understand normal and abnormal physiological events, complication and management of pregnancy, labour and puerperium along with urogenital dysfunction(antenatal, post natal and during menopause)
8. Able to describe the pathophysiology, signs and symptoms, clinical features, examination and management of common skin conditions like Leprosy, Psoriasis, bacterial and fungal infection of the skin
9. Understand the use of appropriate tools of assessment in musculoskeletal, neurological and cardiovascular conditions, also perform the skill of Electrodiagnosis

Learning Outcomes for 4th year BPTb

1. Develop psychomotor skills for physiotherapist-patient relationship and develop the skill to evaluate and make decisions for plan of management based on sociocultural values and referral practice.
2. Professional Practice and ethics as a subject will be studied from first year, so students will know of the ethical code of professional practice, morals & legal aspects. The principles of Hospital Administration, Management & Marketing will be studied separately
3. Students acquire knowledge about biomechanical principles, variety of aids & appliances used for ambulation, protection & prevention by studying Bioengineering.
4. Musculo-skeletal Physiotherapy will help students focus on maximizing functional independence and well-being. The course uses a patient-centered model of care with

multisystem assessment, evidence based interventions and a significant patient education component to promote a healthy, active lifestyle.

5. Student will learn Neuro Physiotherapy strategies for assessment and treatment, address structural & functional impairments and activity limitations of individuals and population (both adults & pediatric) in the context of their personal needs/goals including participation restrictions and the environment they live in.
6. The student will have a sound understanding of theory, scientific evidence and best practices in the areas of the Cardio vascular and Respiratory System including critical care Physiotherapy
7. The student via Community based rehabilitation will understand 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 and the evaluation of disability and planning for prevention and rehabilitation.
8. Students will also acquire knowledge of Research Methodology and Biostatistics and apply the knowledge in project work in all the domains of physiotherapy.

[Course Outcomes 2022.pdf \(tmv.edu.in\)](#)