



MGM INSTITUTE OF HEALTH SCIENCES

(Deemed to be University u/s 3 of UGC Act, 1956)

Grade 'A' Accredited by NAAC

MGM SCHOOL OF PHYSIOTHERAPY

Sector-1, Kamothe, Navi Mumbai – 410209

MASTER OF PHYSIOTHERAPY NON CBCS

Program outcomes:

PO 1: Professional ethic towards client respect, dignity and confidential responsibility.

PO 2: To practice communication skills with patient, caregiver and interdisciplinary relations.

PO 3: To identify the biopsychosocial component of pain.

PO 4: To have knowledge of basic sciences pertaining to musculoskeletal system with sound clinical reasoning

PO 5: To have detailed knowledge of exercise physiology, biomechanics of swimming, running and throwing

PO 6: To understand the pathomechanics of spine, upper extremity and lower extremity

PO 7: To know evidence based practice and advances in clinical reasoning

PO 8: To understand the mechanism of pain

PO 9: To formulate hypothesis and clinical decision making skills 10. To assess and manage all musculoskeletal, neuro, cardio and sports injuries

Course Outcomes

1. MPT in Musculoskeletal Physiotherapy

At the end of the course, the students will have:

CO 1: Detailed knowledge of anatomy, Physiology and Biomechanics pertaining to Musculoskeletal System, enabling them to formulate management based on tissue specific assessment of the structures.

CO 2: Sound clinical reasoning with a thorough rationale toward prescribed therapeutic management.

CO 3: Detailed knowledge of biomechanics of swimming, running and throwing.

CO 4: Detailed knowledge of exercise physiology pertaining to musculoskeletal system.





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2. MPT in Neurophysiotherapy

At end of the course, student will,

CO 1: Be able to formulate evidence based therapy based on recent advances of physiotherapy management of neurological conditions including advances in electrotherapeutics.

CO 2: Have strong foundation on basics of motor control and motor learning and formulate physiotherapy management.

CO 3: Have in depth knowledge about disease specific and generic outcome measures used for neurorehabilitation along with their psychometric properties.

CO 4: Knowledge about evaluation of disability, legislation & social care and prosthetics & orthotics applicable to various neurological conditions as a mean of prevention and management.

3. MPT in Cardiovascular and Pulmonary Physiotherapy and fitness

A) Physiotherapy in Intensive care

At the end of the course the student will,

CO 1: Have detailed knowledge regarding etiology of respiratory failure, types of failure and methods of assessing and managing respiratory failure

CO 2: Knowledge regarding artificial airways and mechanical ventilation. Management of patient on mechanical ventilator, phases of ventilation, modes of artificial ventilation, volumes and settings on the ventilator – implications of

settings on Physiotherapy treatment, special needs of patients on ventilator.

CO 3: Assessment, clinical decision making and evidence based Physiotherapy intervention in various specialized ICUs

Cardiovascular and pulmonary rehabilitation:

At the end of the course the student will,

CO 4: Have detailed knowledge and clinical skills regarding cardiac and pulmonary rehabilitation, guidelines provided by global bodies relevant to national needs of our population, challenges faced in





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managing cardiopulmonary conditions specific to our local population, preventive measures that can be adopted to delay NCDs and generate awareness regarding preventable risk factors.

CO 5: Management of vascular disorders and recent advances.

4. MPT in Preventive and Community Physiotherapy

At the end of the course student should be able

CO 1: To understand and assist in the planning and implementation of community based Rehabilitation programs and to develop linkages with appropriate agencies and groups of individuals;

CO 2: To promote action for the prevention of disabilities and to carry out early identification and intervention.

CO 3: To be able to identify persons with disabilities and their rehabilitation needs and to make functional assessment of individuals with disabilities;

CO 4: To provide support in the implementation of inclusive education at primary, higher and post metric level and in all the development programmes/ poverty alleviation

CO 5: To advise the family members and community regarding interventions with disabled people;

CO 6: To follow up and monitor programs and to maintain a system of records and reports;

CO 7: To make appropriate referrals.

CO 8: To be aware of legislations on disability and developmental schemes and concessions to persons with disabilities.

CO 9: To sensitize about the issues related to gender discrimination and socio-cultural factors;

CO 10: To understand the importance and strategies for resource mobilization.





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5. MPT in Sports Physiotherapy

At the end of this module, student will develop in depth knowledge of the following w.r.t. selected electives:

CO 1: Exercise physiology & Fitness

CO 2: Nutrition

CO 3: Psychology

CO 4: Biomechanical considerations

CO 5: Adapting performance testing

CO 6: Common sports

CO 7: Injury prevention

CO 8: Management of common injuries

Criterion I Incharge

Professor

MGM School of Physiotherapy

Navi Mumbai

Head of Institute

Professor - Director

MGM School of Physiotherapy

MGMHS, Navi Mumbai

