



UNIVERSITY OF PADUA
MOLECULAR MEDICINE DEPARTMENT
HUMAN ANATOMY

MASTER IN MANUAL THERAPY AND MUSCULAR-SKELETAL REHABILITATION
(DIRECTOR: PROF. RAFFAELE DE CARO)

AIMS



Orthopaedics Manual Therapy (OMT) is a specialized area of physiotherapy / physical therapy for the management of neuro-muscular-skeletal conditions, based on clinical reasoning, using highly specific treatment approaches including manual techniques and therapeutic exercises.

The post-graduate training program for physiotherapists in Manual Therapy and Musculoskeletal rehabilitation aims to allow a high standard of patient care. For this reason, this course is designed to develop advanced knowledge, skill and clinical competencies in musculoskeletal physiotherapy practice, according to evidence-based medicine and practice.

The educational program is based on the International Federation of Orthopaedics Manipulative Physical Therapists (IFOMPT) that provides world-wide promotion of excellence and unity in clinical and academic standards for manual/musculoskeletal physiotherapists and emphasizes an ICF-DH (International Classification of Functioning, Disability and Health) oriented approach. The core of the training is the achievement of skills both in clinical reasoning and in applying specific treatments. They are obtained not only following one manual therapy technique but rather respecting an integrated clinical approach, so that all participants will be able to use and choose concepts and techniques from a variety of manual therapy's approaches, manipulation and exercise, based on an understanding of clinical anatomy, medical specialties and other relevant bases disciplines. The scientific and clinical evidence and the bio-psychosocial framework of each individual patient are the most important basis for planning and evaluating the therapeutic program.

At the end of this training program, the OMT physical therapist will be able to:

- Assess a great variety of clinical conditions related to neuro-muscular-skeletal impairments/dysfunction, paying attention about risk factors, precautions and contraindications to treatment
- Elaborate a clinical physical diagnosis and develop a complete treatment plan, considering as objectives pain relief or return to function (or patient's functional optimization) according to current scientific evidences
- Develop the clinical practice according to the advanced clinical reasoning processes in the assistance model centered on the patient.
- Establish clinical and functional outcomes and "verify/check" them through different measurements such clinical tests and validated questionnaires.

STRUCTURE



The training grants almost 60 C.F.U. (Italian University Credits), corresponding to about 1800 hours (including theoretical and practical lectures, supervised clinical work, and individual study).

The total length of the course is 24 months. The course is divided into 13 or 14 seminars and two clinical practice periods; each seminar lasts 5 days.

EDUCATIONAL PROGRAM



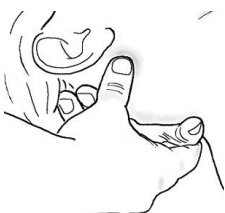
- 1) **Basic sciences:** Anatomy, Biomechanics, Physiology
- 2) **Medical Sciences:** Orthopaedics, Rheumatology, Neurology, Radiology, Pharmacology
- 3) **Behavioral Sciences:** Psychology
- 4) **Research project:** Rehabilitation research
- 5) **Orthopaedic Manipulative Therapy Theory and Practice:** Clinical Reasoning, Manual therapy and therapeutic exercise, Pre-clinical instruction in OMT
- 6) **Supervised clinical work**
- 7) **Thesis:** Research study (experimental study, single case study, survey and literature review)

FORMAL EVALUATIONS



Formal evaluations to prove competency are provided during the course. These cover all aspects of theoretical, practical and clinical knowledge. For the completion of the training, each student must attend theoretical and practical lessons, pass every evaluation, do a supervised clinical work and redact a Master's thesis.

PARTICIPANTS



Minimum: 17

Maximum: 30

Admission of the course is reserved for physiotherapists.

FACULTY

Basic sciences, Medical Sciences and Behavioural Sciences

Cargnelli Gabriella, Cozzi Franco, Danieli Daniela, De Caro Raffaele, Galli Sergio, Masiero Stefano, Novara Caterina, Pavan Piero, Salvatori Sergio

Research projects Antonio Quinci

Orthopaedic Manipulative Therapy Theory and Practice

Bertacchini Paolo, Bozzolan Michela, Casonato Oscar, Dorigo Stefano, Ferrari Silvano, Forcolin Anastasia, Poser Antonio, Romeo Antonio, Viti Carlotta, Schomacher Jochen, Urso Graziella, Vanti Carla

Tutors: Breda Giorgio, Ceron Daniele, Giovannico Giuseppe, Pillonetto Fabrizio, Rossi Alex, Scalise Valentina



INFORMATION

<http://www.unipd.it>

<http://www.masterterapiamanuale.medicina.unipd.it>



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