



Curriculum of the Orthopaedic Division of the Canadian Physiotherapy Association
Diploma of Advanced Orthopaedic Manual and Manipulative Physiotherapy
Level 5

Course hours: 35 hours completed over 5 days

Note: Exam is the Advanced Orthopaedic Manual and Manipulative Physiotherapy Exam.

Purpose: To teach the treatment of spinal, pelvic and costal joint dysfunction safely and effectively by *Advanced* manipulation* techniques. An emphasis is placed on clinical reasoning, integration of the influences of other tissues, and indications/contraindications of these treatment techniques.

***Manipulation** is a skillful high velocity, low amplitude thrust movement of a joint beyond its physiological limit, but within anatomical limits with the purpose of restoring movement and function.

Objectives: At the completion of this course, the student will demonstrate competency in:

- Analyzing examination data to establish indications/contraindications for the use of Advanced manipulation techniques for the spine, pelvis and costal joints
- Integrating principles and practical application of safe and effective Advanced manipulative procedures within a treatment regime for correction of spinal, pelvis and costal dysfunction
- Application of Advanced manipulation techniques in spinal, costal and pelvic dysfunction in the presence of proximal or distal hypermobility, instability or adverse neuromeningeal tension
- Identifying indications and contraindications for all techniques and evaluate treatment effectiveness, making changes to progress or modify as appropriate
- Understanding evidence based practice in theory and practical application of assessment and treatment techniques as discussed

Syllabus/Topics Covered:

- Clinical reasoning and evidence based practice in the process of assimilating data to develop hypotheses, diagnosis, prognosis and treatment planning considering indications and contraindications for the use of Advanced manipulation techniques
- Referral and communication to other members of the health care team in the presence of adverse effects or complications to assessment or treatment
- Instruction in Advanced manipulative techniques for each mobile segment of the spine: craniovertebral, cervical, cervicothoracic junction, thoracic, lumbar, pelvic and costal areas
- Instruction in these Advanced manipulation techniques in the presence of hypermobility, instability and/or adverse neuromeningeal tension
- Integration of the Advanced manipulative techniques into total treatment programs, with emphasis on case studies involving typical history, assessment and treatment protocols
- Principles of scientific inquiry, critical reading of research and current issues in physiotherapy including the development of manipulative techniques and the relevance of other disciplines utilizing similar techniques