



International Federation of
Orthopaedic Manipulative
Physical Therapists

A subgroup of:



WCPT Conference, Amsterdam

Karen Beeton
IFOMPT Standards Committee
Member organisation – UK

20 – 23 June, 2011



International Federation of
Orthopaedic Manipulative
Physical Therapists

A subgroup of:



Objective for this section

Discuss the IFOMPT standards on Research and Evidence Based Practice, their implementation and challenges

These standards align to the concept of the 'OMT physical therapist as a scholar'

... lifelong pursuit of mastery of their domain of professional expertise

.. contribute to the appraisal, collection, and understanding of healthcare and relevant scientific knowledge

www.deptmedicine.utoronto.ca/Can/MEDS

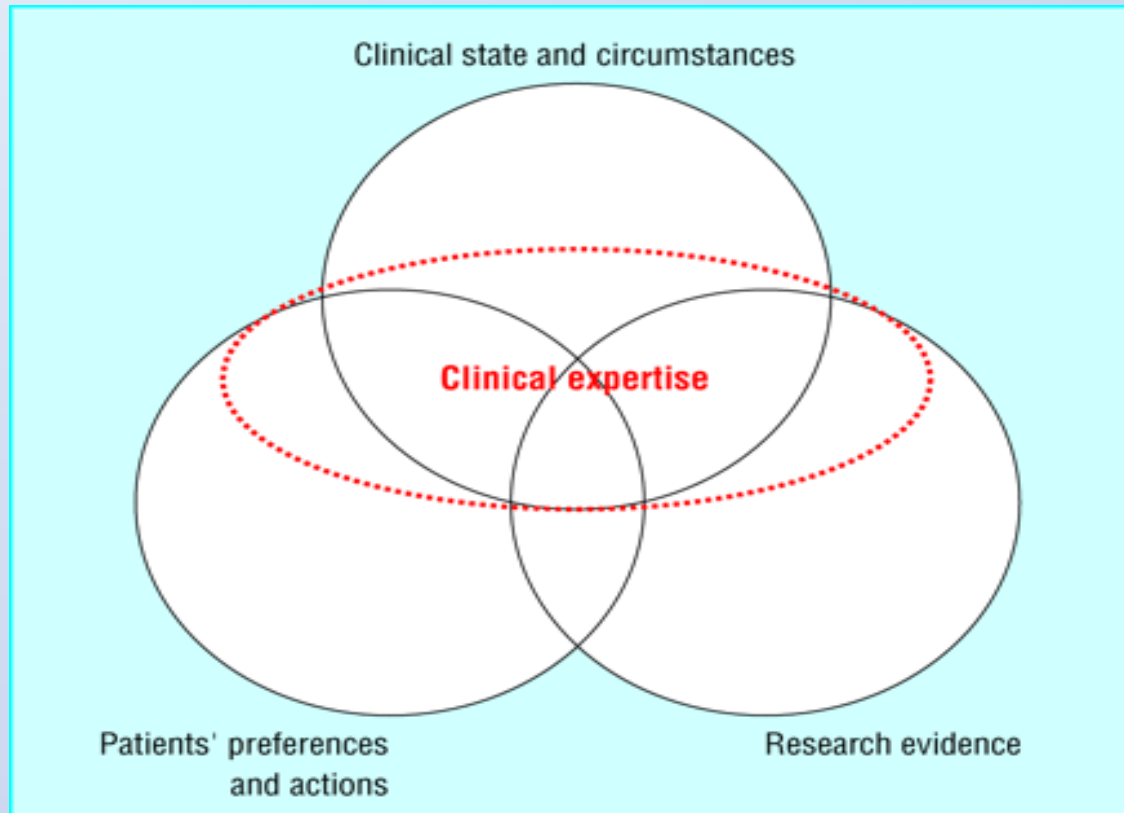


International Federation of
Orthopaedic Manipulative
Physical Therapists

A subgroup of:



Model of clinical expertise (Haynes, 2002)





International Federation of
Orthopaedic Manipulative
Physical Therapists

A subgroup of:



Dimension 1

Demonstration of critical and evaluative evidence based practice (EBP)

Knowledge

Critical and evaluative application of EBP

Evaluative understanding of outcome measures

Skills

Retrieve, integrate and apply scientific knowledge, throughout patient management recognising the limitations

Enhance and promote the rights of the patient to actively participate in their health care management taking into consideration the patient's wishes, goals and beliefs

Attributes

Demonstrate a critical and evaluative approach



International Federation of
Orthopaedic Manipulative
Physical Therapists

A subgroup of:



Dimension 9

Demonstration of a critical understanding and application of the process of research

Knowledge

Critical understanding of quantitative and qualitative research and ethical considerations

Skills

Critical appraisal of OMT research

Generate a research question based on the literature, develop a research proposal, select appropriate data analysis procedures and demonstrate effective execution of a research project

Attributes

Demonstrate appreciation of the need for further evidence of research and the role of research in advancing the body of OMT knowledge



International Federation of
Orthopaedic Manipulative
Physical Therapists

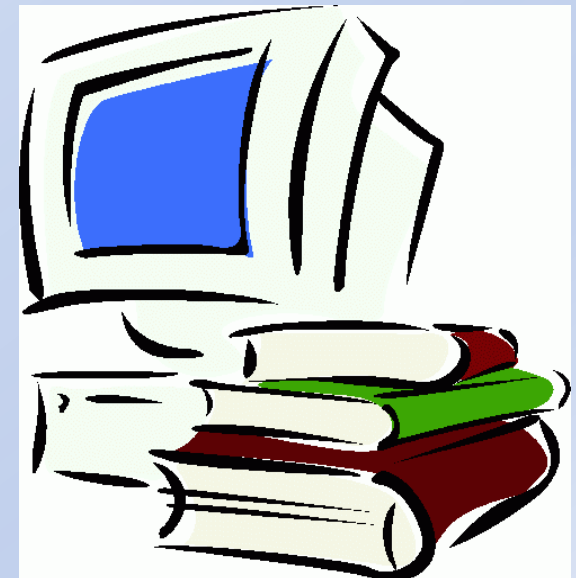
A subgroup of:



Principles of evidence based practice must be embedded throughout all OMT programmes

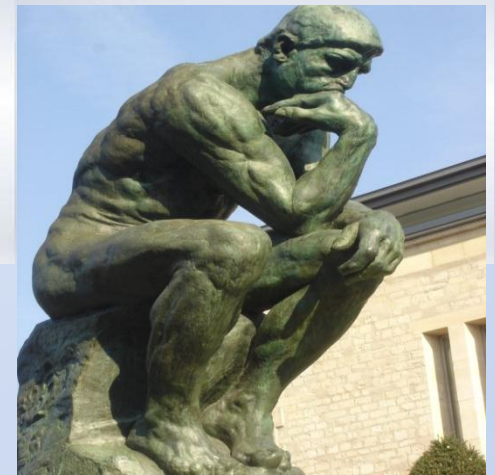
This requires programmes to teach the principles of research including

- database searching and retrieval
- understanding of research methods including quantitative and qualitative research
- critical appraisal
- the importance of ethical research practice





International Federation of
Orthopaedic Manipulative
Physical Therapists



OMT programmes also need to develop

- an understanding that evidence based practice underpins all manual therapy concepts e.g. muscle imbalance, neural dynamics, biopsychosocial issues
- the need to explore, question and debate the evidence base underpinning these concepts as well as critically analysing assessment procedures and management approaches and the use of outcome measures through developing critical thinking skills
- these skills integrated alongside concepts of clinical reasoning (Higgs and Jones, 2004)



International Federation of
Orthopaedic Manipulative
Physical Therapists



A research project is defined as

A process of systematic enquiry that provides new knowledge
... in NMS dysfunction

The process of systematic enquiry is designed to address a
research question

The process may use a range of methodological perspectives and
methods including literature review and qualitative and
quantitative approaches to address the research question



International Federation of
Orthopaedic Manipulative
Physical Therapists

A subgroup of:



All assessments need to draw on current evidence that has been critically appraised including

- written assignments
- practical exams
- presentations
- vivas
- clinical placement exams (including assessment of a new patient and a follow up patient)
- research project



International Federation of
Orthopaedic Manipulative
Physical Therapists

A subgroup of:



Sample marking criteria (examples selected indicate distinction level)

Demonstrates an outstanding, innovative approach and an exceptional, in depth understanding and synthesis of specialised /applied knowledge

Demonstrates an outstanding level of integration and synthesis of relevant and appropriate evidence, drawing upon an outstanding range of evidence/examples

Demonstrates outstanding clinical reasoning, incorporating an exceptional range of evidence/examples with no errors/misconceptions

Engages in an outstandingly comprehensive and professional academic discussion with the examiner



International Federation of
Orthopaedic Manipulative
Physical Therapists

A subgroup of:



Challenges in implementing these standards

- programmes that sit outside of a university setting may need to seek support in teaching research skills and for research projects
- issues regarding when research skills are taught within OMT programmes
- how these standards are integrated and embedded throughout programmes and how this is documented for international monitoring

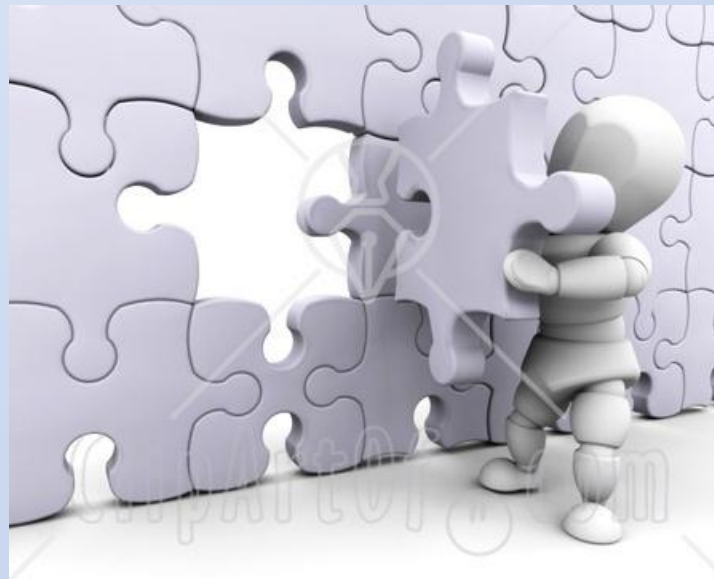


International Federation of
Orthopaedic Manipulative
Physical Therapists

A subgroup of:



However the value of the research and EBP standards will enable OMT practice to develop and grow underpinned by sound and robust evidence and will develop therapists who are critical thinkers





International Federation of
Orthopaedic Manipulative
Physical Therapists

A subgroup of:



Concluding message

There are challenges for MOs in implementing IFOMPT standards relating to research and evidence based practice

However it is only by driving this forwards and supporting MOs in addressing their specific issues that we can continue to

Develop and advance international post-professional educational standards in physical therapy



International Federation of
Orthopaedic Manipulative
Physical Therapists

A subgroup of:



Reference

Haynes RB, Devereaux PJ, Guyatt GH (2002). Physicians' and patients' choices in evidence based practice, British Medical Journal, 324:1350-1351

Higgs J, Jones M (2000). Clinical Reasoning in the Health Professions, 2nd edn, Oxford, Butterworth Heinemann

www.deptmedicine.utoronto.ca/Can/MEDS