

2012 Short Course Training
Faculty of Physical Therapy, Huachiew Chalermprakiet University, Thailand

| Course | Course title | Instructor | Date (April 2012) | Number of participants | Tuition fee (Australian dollars) | |
|--------|--|--------------------------------|----------------------|---------------------------|-------------------------------------|------------------------------------|
| | | | | | Before 31 st Jan 2012 | After 31 st Jan 2012 |
| A | Mulligan concepts: Upper quadrant | Geoff Foat | 2-3 | 23 | 600 | 650 |
| B | Mulligan concepts: Lower quadrant | Gaetano Milazzo | 4-5 | 23 | 600 | 650 |
| C | Advanced Mulligan concepts course | Gaetano Milazzo and Geoff Foat | 6-7 | 30 | 600 | 650 |
| D | Certified Mulligan practitioner (CMP) credentialing exam | Gaetano Milazzo and Geoff Foat | 8 | 12 | 600 | 650 |
| E&F | Mobilization of the Nervous System: Upper and Lower quadrant | Dr Rob Boland | 31 Mar – 1 Apr | 40 | 600 | 650 |
| G | Postural assessment and appropriate treatment | Kim Jennings | 29 – 30 Mar | 20 | 600 | 650 |

* Course C requires pre-requisite course A&B which are certified from Mulligan Concepts Teacher's Association (MCTA).

* Course D requires pre-requisite course A,B&C which are certified from Mulligan Concepts Teacher's Association (MCTA).

Attached documents:

- Course outlines:
 - A page 2
 - B page 3
 - C page 4
 - D page 5
 - E & F page 6-8
 - G coming soon
- CV :
 - Gaetano G. Milazzo page 9
 - Geoffery Foat, PT page 10
 - Robert Anthony Boland page 11
 - KIM Narelle Jennings page 12
- Registration form page 13

Question or Inquiry

Course coordinators: Ajarn Titima Imjit (Mobile: 66-081-8297803)
 Ajarn Pimpimol Dangintawat (Mobile: 66-086-7867883)

Email: pthcuconference@gmail.com

Office: 66-0844993710, 66-02-3126300 ext 1439, 1162 Fax: 66-02-3126413

Website: <http://www.pthcu.org/>

Course A: 2012 Mulligan Concepts: Upper quadrant (2-3 April 2012)

Presented by: **GEOFFREY FOAT, PT**

This is a practical workshop designed to introduce and give the therapist detailed training in the unique physical examination and manual therapy procedures developed by Mr Brian Mulligan (Manipulative Physiotherapist – New Zealand).

The workshop will present the Mulligan Concepts and provide a learning environment where the therapist can train and practice to examine and deliver appropriate manual therapy techniques for both spinal and peripheral joint articulations.

Course Expectations

At the conclusion of this course each participant is expected to

1. Have a good understanding of the theories and principles of the Mulligan Concept and how it is applied to the examination and treatment for spinal and peripheral Joint dysfunction.
2. Be able to examine, and correctly administer appropriate Mulligan techniques (and apply taping where required) to the following regions

| | | | | |
|----------------|--------------|------|--------------|----------|
| Cervical spine | Elbow | Hip | Ankle / Foot | Shoulder |
| Thoracic spine | Wrist / Hand | Knee | Lumbar spine | |
3. Be able to instruct patients in the self mobilisation treatment for the cervical, thoracic and lumbar spines
4. Correctly apply taping when indicated to maintain positional correction and assist patients with self mobilisation
5. Be able to apply Mulligan techniques in relation to specific clinical presentations.

Course Contents

- **Introduction**
 - Assumptions
 1. Good knowledge of anatomy
 2. Good knowledge of Biomechanics
 3. Good knowledge of pathology
 4. Familiar with the contraindications to manual therapy
 5. Possess basic manual therapy skills
 - Anatomy (peripheral and spinal)+ terminology overview
 - Mulligan Concepts: Theory, terminology and principles
 - Basic biomechanics of articular motion and manual therapy treatments
- **Cervical spine:** Therapist NAGS, SNAGS, Neurodynamic Mobilisations
Patient Self SNAGS, Fist traction
- **Thoracic spine:** Therapist NAGS, SNAGS, Reverse SNAGS, Belt traction
Patient Self SNAGS
- **Shoulder complex:** Therapist MWM – gleno-humeral and AC joint, Elevation, Hand behind back
Patient Exercise
- **Elbow:** Therapist MWM – humero-radio-ulnar and humero-ulnar, Taping
Patient Exercise
- **Wrist/hand:** Therapist MWM – radio-ulnar (distal), metacarpals, Phalanges, Taping
Patient Taping, Self mobilisation
- **Neck / Arm:** Therapist Spine 'mobilisation' with arm movements
Patient Self exercise
- **Some Clinical syndromes:** Headaches, Vertigo, Tennis Elbow



Course B: 2012 Mulligan Concepts: Lower quadrant (4-5 April 2012)

Presented by: Gaetano G. Milazzo, Consultant Manipulative Physiotherapist

This is a practical workshop designed to introduce and give the therapist detailed training in the unique physical examination and manual therapy procedures developed by Mr Brian Mulligan (Manipulative Physiotherapist – New Zealand).

The workshop will present the Mulligan Concepts and provide a learning environment where the therapist can train and practice to examine and deliver appropriate manual therapy techniques for both spinal and peripheral joint articulations.

Course Expectations

At the conclusion of this course each participant is expected to

1. Have a good understanding of the theories and principles of the Mulligan Concept and how it is applied to the examination and treatment for spinal and peripheral Joint dysfunction.
2. Be able to examine, and correctly administer appropriate Mulligan techniques (and apply taping where required) to the following regions

| | | | | |
|----------------|--------------|------|--------------|----------|
| Cervical spine | Elbow | Hip | Ankle / Foot | Shoulder |
| Thoracic spine | Wrist / Hand | Knee | Lumbar spine | |
3. Be able to instruct patients in the self mobilisation treatment for the cervical, thoracic and lumbar spines
4. Correctly apply taping when indicated to maintain positional correction and assist patients with self mobilisation
5. Be able to apply Mulligan techniques in relation to specific clinical presentations.

Course Contents

1. Introduction

- Assumptions
 1. Good knowledge of anatomy
 2. Good knowledge of Biomechanics
 3. Good knowledge of pathology
 4. Familiar with the contraindications to manual therapy
 5. Possess basic manual therapy skills
- Anatomy (peripheral and spinal)+ terminology overview
- Mulligan Concepts: Theory, terminology and principles
- Basic biomechanics of articular motion and manual therapy treatments

2. Lumbar spine: Therapist SNAGS, Neurodynamic Mobilisations
Patient Self SNAGS, Exercises – “Lion” Rotation

3. Hip: Therapist MWM – belt technique

4. Knee: Therapist MWM tibio-femoral, superior tibio-fibula joint, Taping
Patient Taping

5. Ankle / Foot: Therapist MWM tibio-fibular (distal), talo-crur, Belt technique for plantar flexion , Taping
Patient Taping

6. Back / Leg: Therapist Spine ‘mobilisation’ with leg movements
Patient Self exercise, Bent Knee SLR

7. Some Clinical syndromes: Ankle ‘sprains’



COURSE C. Advanced / Follow-up Course (6-7 April 2012)

Presented by: Gaetano G. Milazzo, Consultant Manipulative Physiotherapist

Geoffrey Foat, PT

A 2-DAY Program

Review of the principles and application of the Mulligan Concept.

NAG: natural apophyseal glide

SNAG: Sustained Natural Apophyseal glide

MWM: mobilisation with movement

SMWAM: spinal mobilisation with arm movement

PRPS: Pain Release Phenomena

Introduction: Indications and rules to follow

The Cervical Spine : NAGS, REVERSE NAGS, The acute wry neck, Treatment of cervicogenic headaches, Treatment of cervicogenic dizziness, SNAGS, POSITIONAL SNAG, SELF SNAGS , PRPS for cervical spine., SMWAM

Base of Thumb. The 1st M/C Trapezium Joint : MWMS for thumb including glides or rotations, Taping, PRPS (compressions with glides).

Carpus : The Scaphoid MWM'S, The Capitate MWM'S (extension), PRPS for Pisiform (Compression with glides)

The Wrist and Distal Radio-Ulnar Joint : MWM - flexion and extension techniques, Distal R/U joint; Pronation and Supination.

First and Second ribs: MWMS

The Elbow: MWM's for flexion/extension , Lateral epicondylagia (Tennis Elbow), Rule out cervical and shoulder girdle (SMWAMS), MWM technique, Self MWMS, Olecranon repositioning and PRPS, Taping, PRP (rotation with compression of radial head), PRP (active wrist or finger extension), Medial epicondylagia (Golfer's Elbow); Olecranon repositioning, Taping

The Shoulder: MWMS (hands and then belt), MWM – for limited hand behind the back, PRPS for the shoulder.

The Shoulder Girdle: MWMS Reposition scapular and clavicle with active shoulder movement.

The Dorsal Spine: SNAGS, Costal MWM

The Foot : MWMS for first MT/P joint, PRPS for first MT/P joint, First and fifth MTs. MWMS and tapings, PRPS First MT on first Cuneiform, PRPS fourth and fifth MTs on cuboid.

Heel Pain, taping and sub-talar exercises

The Ankle Joint. : MWM for P/F and D/F, Ankle sprains; MWM, Taping.

The Lumbar Spine. : SNAGS, Self SNAG; SLR, Slump SNAG

The Superior Tibio Fibular Joint : MWM, Taping

The Knee : MWMS Belt technique for flexion/extension in lying, MWMS weight bearing belt techniques for flexion and extension., The squeeze technique, PRP for Knee (Prone, knee at 90' rotations with compression), MWM and PRP'S for Patello-Femoral pain

Sacro-Iliac Joint : Iliac and sacral MWM

Hip Joint : MWMS in weight bearing for rotation (chair) extension and flexion., PRPS for hip joint



Course D : Certified Mulligan Practitioner Examination (8 April 2012)

Examiners : Gaetano G. Milazzo, Consultant Manipulative Physiotherapist

Geoffrey Foat, PT

Clinical Experience with Mulligan Concept is highly recommended. It is the expectation of the Mulligan Concept Teachers Association (MCTA) that individuals who have taken the recommended course and have clinical experience with the Mulligan Concept should be successful with the examination process. The examination consists of multi-level testing with written, viva & practical components designed to assess the clinical knowledge and skills developed by the practitioner throughout the course curriculum.

The CMP Examination will be taken by two examiners. The principal examiner will be Gaetano Milazzo from Australia and Geoffrey Foat from South Africa.

The purpose of conducting CMP examination and recognizing such clinicians is twofold: As a referral source for clinicians and for the patients seeking treatment from physical therapists who have achieved a recognized level of competence in the Mulligan Concept. The process of CMP credentialing will assist clinicians who are interested in having their knowledge based skills and competence in the Mulligan Concept evaluated, by providing a peer review/examination process. It is anticipated that the individuals with CMP credentials will have improved treatment outcomes.

Upon successful completion of the examination process these clinicians will be recognized as a Certified Mulligan Practitioner (designated as CMP) and their names will be listed on the official website of Mulligan concept www.bmulligan.com. They will be referred / recommended to clinicians and the general public seeking treatment from physical therapists who have achieved a recognised level of competence in the Mulligan Concept.

It is also important to note that individuals who qualify the CMP exam are NOT entitled to teach the Mulligan Concept.

Venue: Faculty of Physical Therapy, Huachiew Chalermprakiet University

Date: 17-18 March 2012

Credentialing Exam Process:

1. Registration and review session
2. Written Exam

Theory Examination : Multiple choice questions – 50 questions - (Duration 75 Min.)

The applicants will take a 50 question multiple choice examinations. Test questions are based on **Brian Mulligan's book NAGs, SNAGs, MWM, 6th edition**. Applicants will be allowed a maximum time of 75 minutes to complete the exam. After completion of the written exam, the participants will report back at their assigned time for the practical exam.

The written exam accounts for 25% of the CMP grade.

3. Practical Exam

Practical & Viva examination :

(each candidate will need to perform 12 techniques in total)

The practical exam accounts for 75% of the CMP Exam grade.

4. Exam overview, debriefing and exam results

Good luck and congratulations on your professional development journey.



Course E&F: Mobilization of the Nervous System: Upper and Lower Quadrant (31March – 1 April 2012)

Presented by: Robert Anthony Boland, Specialist Musculoskeletal Physiotherapist

Proposed Course Outline for:

Aims

These courses are designed to develop the skills required to assess a patient presenting with disorders affecting the peripheral of spinal nerves. Both courses will be of 2 days duration.

1. Course E will focus on disorders of the cervical spine and upper limbs.
2. Course F will focus on disorders of the lumbar spine and lower limbs.

Objectives

By the end of each course, participants will be able to;

- Take a targeted history from a patient with a disorder of the nervous system of the spine, upper limbs, or lower limbs.
- Plan and complete a physical examination of the spine and upper and lower limbs.
- Make a clinical diagnosis of a patient's problem.
- Plan a treatment intervention for the patient's disorder based on the clinical diagnosis.
- Implement and evaluate a management program for the patient's disorder.

Approximate Timetable for Both Days for:

1. Course E (Cervical Spine and Upper Limbs)
2. Course F (Lumber Spine and Lower Limbs)

Day 1

| Time | Activity | Duration | Practice | Lecture |
|-------------------|---------------|------------|----------|---------|
| 8.45-10.30 am | Teaching | 1.45 hours | 170 mins | 30 mins |
| 10.30-10.50 am | Morning Tea | | | |
| 10.50 am-12.30 pm | Teaching | 1.40 hours | | |
| 12.30-1.30 pm | Lunch | 1 hour | | |
| 1.30-3.00 pm | Teaching | 1.30 hours | 170 mins | 30 mins |
| 3.00-3.20 pm | Afternoon Tea | | | |
| 3.20-5.00 pm | Teaching | 1.40 hours | | |

Day 2

| Time | Activity | Duration | Practice | Lecture |
|-------------------|---------------|------------|----------|---------|
| 8.45-10.30 am | Teaching | 1.45 hours | 180 mins | 30 mins |
| 10.30-10.50 am | Morning Tea | | | |
| 10.50 am-12.30 pm | Teaching | 1.40 hours | | |
| 12.30-1.30 pm | Lunch | 1 hour | | |
| 1.30-3.00 pm | Teaching | 1.30 hours | 130 mins | 60 mins |
| 3.00-3.20 pm | Afternoon Tea | | | |
| 3.20-5.00 pm | Teaching | 1.40 hours | | |

Day 1

Introduction/ Overview of course (15 minutes)

Principles of Examination of Spinal and Peripheral Nerves (60 minutes).

The purpose of the history is to define whether the patient has a problem that is appropriate for management by a physiotherapist. In other words, is the problem:

- Musculo-skeletal in origin or is it due to referred pain from other disease processes such as visceral organ pathology?
- One that is related to spinal or peripheral nerves?
- A product of impaired conduction?
- A product of impaired nerve mobility?

This session will involve discussion of the various aspects of the history so participants can plan a physical examination to examine the spinal and peripheral nervous systems based on findings from the history. Case studies will be used on Day 2 to assist participants' learning.

Planning the physical Examination (45 minutes)

Once a history has been taken, the therapist must plan the physical examination. Planning takes into account the degree of pain that the patient is in, their age, the region to be examined and the likely pathology. This session will discuss the various issues that must be considered when planning a physical examination of the spinal and peripheral nervous systems.

Surface Anatomy and Active Movements (60 minutes)

This session will revise the surface anatomy of the peripheral nervous systems. Participants will review their knowledge of surface anatomy and practice techniques that are fundamental to examination of peripheral nerves.

Participants will also review the examination of active movements with an emphasis on identifying issues relevant to examination for disorders associated with disorders of the spinal and peripheral nerves.

Screening Procedures (30 minutes)

Participants will practice tests to identify whether the patient's symptoms are arising from a joint structure underneath the area of symptoms. For example, in the upper limb, the symptoms may be arising from the patient's shoulder. In the lower limb, the disorder may be arising from the patient's hip joint. In these conditions, neurodynamic techniques may not be effective so screening is important.

Lunch (60 minutes)

Neurological Examination (80 minutes)

Participants will practice and discuss the interpretation of tests for nerve conduction of the lumbar spinal nerves and roots. This will include tests to differentiate conduction disorders of the periphery (such as carpal tunnel syndrome) from disorders of spinal nerve (such as C6 radiculopathy).

Assessment Techniques for Mechanosensitivity (100 minutes)

Participants will practise and discuss the interpretation of test for mechanosensitivity of the nervous system. For example, in the lower limb, this will include straight leg raise and nerve palpation. In the upper limb, this may include tests such as in Phalen's test, Tinel's test, or neurodynamic tests for the median nerve.

The following issues will also be addressed:

- The principles of sliding and gliding techniques;
- When to splint (as may be necessary for carpal tunnel syndrome in the upper limb).

Revision (20 minutes)

This session will allow participants the time to clarify any problem issues and to practise any practical components that they would like revise.

Day 2

Neurodynamic Treatment Techniques for Mechanosensitivity (120 minutes)

Participants will practise and discuss the interpretation of manoeuvres that test for involvement of neuro-meningeal structures:

- For example: Straight Leg Raise, Slump techniques, for the lumbar spine and lower limbs.
- For example: Sliding and gliding techniques, for the median, radial, nerves of the upper limbs.

Treatment Techniques for Mechanosensitivity (90 minutes)

Participants will practise and discuss treatment techniques that combine neuromeningeal mobilization techniques with other manual therapy techniques for spine, such as Passive Accessory or Passive Physiological techniques that incorporate positions or movements to glide or slide nerves.

Lunch (60 minutes)

Case Studies for cervical spine and upper limbs (Course E) (90 minutes)

or

Case Studies for lumbar spine and lower limbs (Course F) (90 minutes)

The first session of day 3 will involve group discussion of examination plan that participants have completed overnight.

Revision (90 minutes)

This session will allow participants the time to clarify any problem issues and to practise any practical components that they would like revise.

FORMAL TERTIARY TRAINING

- 1971: Bachelor of Science (UNSW)
- 1972: Diploma of Physiotherapy (Aust Physio Assn)
- 1976: Graduate Diploma Manipulative Physiotherapy (Curtin Uni, WA)
- 1990: Master Biomedical Engineering (UNSW)

CERTIFICATIONS

- 1987: Certified KEY concept Functional Capacity Assessor
- 1998: Neuro Linguistic Practitioner
- 1999: Mulligan Concept Accredited Teacher

MEMBERSHIPS

- Australian Physiotherapy Association
- Musculoskeletal Physiotherapy Association – tier 2 member
- International and Australian Pain Societies
- Mulligan Concept Teachers Association

PROFESSIONAL REGISTRATION

NSW Physiotherapists Registration Board

PROFESSIONAL EMPLOYMENT HISTORY

- 1973-74: Staff physiotherapist - Prince Henry/Prince of Wales Hospitals (NSW)
- 1974 to date: Principal in Private Practice
- 1989 - 1992: Director of an Accredited Rehabilitation Provider service (WorkCover NSW and Comcare)
- 1997 to date: Appointed Independent Physiotherapy Assessor by NSW WorkCover Authority
- 1997 to 2005: Honorary Consultant Manipulative Physiotherapist, Liverpool Hospital – NSW
- 1997 to date; Forensic Physiotherapy Consultant
- February 1998 to December 2002: Board member NSW Physiotherapist Registration Board.
- Physiotherapy Consultant for several Workers Compensation Agents (including Self- Insurers) and to various agents for the Motor Accident Authority of NSW.

LECTURING/TEACHING

- 1979 – 1984: Part-time lecturer and clinical supervisor - School of Physiotherapy on the Post Graduate courses on Sports Injury and Manipulative Physiotherapy (University of Sydney).
- 1992 to date: International presenter of clinical and technique courses - USA, Hong Kong, England, New Zealand, Canada, Brazil, Thailand, Jordan and Kuwait.
- 1996- to 2005: Clinical Educator / Physiotherapy undergraduate program -University of Sydney.
- June 2007 – to date: Regional Manager (Australasia) of the Mulligan Concept Teachers Association

HIGHLIGHTS OF QUALIFICATIONS

- ◆ **Physical therapist** with extensive clinical and managerial experience primarily in the orthopedic outpatient setting.
Background includes:
 - ◆ clinical specialist
 - ◆ management
 - ◆ protocol development
 - ◆ seminar lecturer
 - ◆ fiscal responsibility
 - ◆ consultation
- ◆ Solid references; earned a reputation for being committed to practice, patient care and continuing education

PROFESSIONAL EXPERIENCE

- ◆ **Private Practice** • 2007 – Present-GEOFF FOAT PHYSIO (POINTPHYSIO) • Cape Town, South Africa
- ◆ **Per Diem/ Contract Therapist** • 2004- 2007 Connecticut and New York City
 - ◆ Integrated Rehabilitation Services, Stamford, CT (May 2007 – June 2007)
 - ◆ EMH Physical Therapy, NY, NY (November 2006 – February 2007)
 - ◆ Orthopedic and Neurosurgery Specialists, Greenwich, CT (February 2006 – September 2006)
 - ◆ Cross Therapy, Guilford, CT (February 2006 – September 2006)
 - ◆ Center for Orthopedics, New Haven, CT (October 2004 – November 2005)
 - ◆ Allied Health, West Haven, CT (January 2005 – February 2005)

Center for Orthopaedics • 1997 – 2004 New Haven, CT

Director of Physical Therapy (1998 – July 2004)

Effectively manage the offices and staff of four outpatient departments by diligently

- ◆ Maintaining financial viability of all sites while ensuring profit
- ◆ Administrating the hiring, training and retention of qualified personnel
- ◆ Enhancing staff skill set by implementing continued education development and clinical resourcing
- ◆ Directing patient and insurance relations; policy and procedure development
- ◆ Improving efficiency of work flow by implementation and utilization of computerized Penchart® physical therapy guidelines
- ◆ Partnering with orthopedists to develop protocols
- ◆ Creating a comfortable and professional atmosphere by instituting site design and development
- ◆ Interacting with patients when working as a clinician at least 3 days a week

Staff Therapist

Village Physical Therapy & Sports Medicine • 1995 – 1997 North Haven, CT

Medwell Physical Therapy, P.C. • 1994 – 1996 Fairfield, CT

Manager of Physical Therapy • *Medwell Chiropractic, P.C*

Orthopaedic Surgery Associates • 1991 – 1994 Bridgeport, CT

Lead Therapist (1993 – 1994)

Staff Therapist (1991 - 1993)

TEACHING EXPERIENCE

- ◆ Manual Therapy (The Mulligan Concept) – Full teaching member of the MCTA teaching Internationally since 2002
- ◆ Manual Therapy (The Mulligan Concept) – Teaching Assistant of the MCTA in the USA 1996-2002

EDUCATION

Degrees/ Certifications/ Awards

- ◆ Certified Strength and Conditioning Specialist, National Strength & Conditioning Association 2003
- ◆ Mulligan Concept Teachers Association (full teaching accreditation – Rome, Italy) 2002
- ◆ Orthopaedic Certified Specialist with the American Board of Physical Therapy Specialties 2002
- ◆ Quinnipiac University • Hamden, Connecticut – Master of Science (Orthopaedic PT) with Distinction 2002
- ◆ Quinnipiac University: Academic Excellence Award in Masters Program 2001
- ◆ University of Cape Town • Cape Town, South Africa
 - Bachelor of Science (Medicine) (Honours) Sports Science 1989
 - Bachelor of Science (Physiotherapy) 1988

MEMBERSHIPS/ LICENSES

South African Society of Physiotherapy • National Strength and Conditioning Association, USA
Health Professionals Council of South Africa PT 41106

Connecticut State License # 4510 • New York State License # 026569

RSA & USA Dual Citizen

Academic Degrees:

- 2000 Doctor of Philosophy (University of Sydney)
 1990 Graduate Diploma in Applied Science (Manipulative Physiotherapy) (Cumberland College of Health Sciences)
 1984 Bachelor of Applied Science (Physiotherapy) (Cumberland College of Health Sciences)

Professional Qualifications: Fellow of the Australian College of Physiotherapists, Specialist Musculoskeletal Physiotherapist.

Current Duties

Academic: since Jan 1988 – Lecturer in Manipulative Physiotherapy (University of Sydney)
 Clinical: since Mar 2008 – Specialist Musculoskeletal Physiotherapist
 Specialist Appointments: since Nov2003 - Penel Member of Independent Physiotherapy Consultants for Workcover NSW (Reappointed in Mar 2007)

Publications – Referred Journals

1. **Boland, R. A.**, Lin C. S. Y., et al. (2011). "Adaptation of motor function after spinal cord injury: novel insights into spinal shock." *Brain*.134(Pt 2):495-505.
2. Han, S.E., **Boland, R.A.**, et al. (2010). "Changes in human sensory axonal excitability induced by focal nerve compression." *Journal of Physiology* 588(10): 1737-1745.
3. **Boland, R.A.**, and Kiernan M.C. (2009). "Assessing the accuracy of a combination of clinical tests for identifying carpal tunnel syndrome." *Journal of Clinical Neuroscience* 16(7): 929-933
4. Han, S.E., **Boland, R.A.**, et al (2009). "Ischaemic sensitivity of axons in carpal tunnel syndrome." *Journal of the Peripheral Nervous System* 14(3): 190-200.
5. Refshauge, K.M., Parry, S. Shirley, D., Larsen, D., Rivett, D., **Boland, R.A.** (2002). "Professional responsibility in relation to cervical manipulation." *Australian Journal of Physiotherapy* 48(3): 171-179.
6. Krause, M., Refshauge, K.M., Dessen, M., and Boland, R.A. (2000) "Lumber spine traction; evaluation of effects and recommended application for treatment." *Manual Therapy* 5(2): 72-81.
7. **Boland, R.A.** and Adams R. (2000). "Effect of ankle dorsiflexion on range and reliability of straight leg raising." *Australian Journal of Physiotherapy* 46(3): 191-200.

Test Book Chapters

1. Refshauge KM and **Boland R.** (2004): Testing adequacy of cerebral blood flow (vertebrobasilar insufficiency – pp. 179-185). In Refshaug R. and Gass E. (Eds). *Musculoskeletal Physiotherapy: Clinical Science and Evidence-Based Practice*. Butterworth Heinemann, Oxford (2nd Ed).
2. **Boland R.** (2004) Tension Tests. (pp. 185-194) In Refshaug R. and Gass E. (Eds). *Musculoskeletal Physiotherapy: Clinical Science and Evidence-Based Practice*. Butterworth Heinemann, Oxford (2nd Ed).
3. **Boland R.** (1995) Tension Tests. (pp. 131-138) In Refshaug R. and Latimer J., Chapter 6: The Physical Examination by Refshaug R. and Gass E. (Eds). *Musculoskeletal Physiotherapy: Clinical Science and Practice*. Butterworth Heimann, Oxford.

Lecturing/ Teaching

Feb 16-17th, 2008-Examination and Management of the Lumbosacral Spine: Application of Manual Therapy, Japan
 Jun 19th, 2003-Carpal Tunnel Syndrome, USA
 Jul 20th, 2001-Examination of the Patient with Neck and Shoulder Pain, South Korea
 Jul 21st, 2001- Examination of the Patient with Lumbar Pain, South Korea
 Jul 17th-19th, 2001- Examination and Management of the Spine: Application of Manual Therapy, South Korea

Professional contributions

Professional Memberships: Fellow of the Australian College of Physiotherapists
 Musculoskeletal Physiotherapy Australia (MPA)
 Australian Physiotherapy Association (APA)

Committee Memberships: 2001-2010 Member of NSW branch Professional Development Committee of the APA
 1997-2002 Member of NSW branch of MPA
 1998-2001 Member of NSW branch Research Committee of the APA
 1997-2001 NSW Delegate to the National Research Committee of the APA
 1991-1993 NSW Delegate to the National Education Committee of the APA
 1990-1993 Chairperson of the Education Committee of NSW Branch Council of the APA

Academic Degree

- 2010 Masters in Public Health Monash University
 1995-2000 Bobath Tutor Training
 1982-85 Bachelor of Applied Science in Physiotherapy (Lincoln Institute of Health Sciences)

Employment Records

- 2008- 2010** “The Good Life Private Practise” Neurological Physiotherapist, Victoria
2002-2007 Kim Jennings Neurological Physiotherapy(Private Practise), Australia
 St Vincents Hospital Melbourne, Consultant Physiotherapist in Neurology
2000-2002 ReCreation Physiotherapy – Private Practitioner in Neurology
 St Vincents Hospital, Melbourne – Senior Clinician in Rehabilitation
2000-2001 Epworth Private Hospital, Australia
 Senior Physiotherapist in Neurology/ Neurosurgery

Courses Taught

- 2010** **Advanced Bobath courses**, South Korea
Basic Bobath courses, Jeddah, Saudi Arabia, Abu Dhabi, Singapore, Melbourne, Thailand
Normal Movement courses Jeddah, Saudi Arabia, Adelaide, Queensland, Australia,
2009 **Advanced Bobath courses**, Australia
Basic Bobath courses, Australia
Normal movement courses, Australia
 Other lectures given “The foot as a proprioceptive reference for locomotion.” NSW APA house
2008 **Advanced courses**, Australia
Basic Bobath courses, Australia
Normal movement courses, Australia
 Post Basic course Melbourne (Core stability)
 Training module 1 (trainee group)
2007 Basic Bobath Course, Australia
 Normal movement courses, Australia
 Tutor Advanced Course, Mary Lynch-Ellerington, Melbourne, Australia
2006 Advanced Bobath course, Saudi Arabia
 Basic Bobath course, Saudi Arabia, Australia
 Normal Movement course, Saudi Arabia, Australia
2005 Basic Bobath course, Australia
 Normal Movement courses, Australia
2004 Basic Bobath course and Normal Movement courses, Australia
2003 Basic Bobath courses, Saudi Arabia, Australia
 Normal Movement courses, Australia
2002 Basic Bobath Course, New Zealand
 Normal Movement Courses, Australia
2001 Normal Movement Courses, western Australia (OT x1, PTx1), New Zealand
 Basic Bobath Course, South Australia
 Advanced Bobath Course, Australia
2000 Normal Movement Courses, Western Australia
 Basic Bobath Course, Australia
 Post Basic Weekend, Australia

Registration Form 2012 Mulligan Course

Name: (BLOCK LETTER, as appear in your receipt)

.....

Preferred Name: (BLOCK LETTER, as appear in your name badge)

.....

Year(s) of Physical Therapy practice

Area of specialist (or interested)

Email address (for successful notification):

Phone no.:(mobile)

Work Place & Unit:

.....

Do you have any health problem that prevent you from practice? No yes

Please specific.....

Food:

halal food vegetarian food Thai food

Please specific if you have a special inquiry.....

Please mark which course you want to register-

| International courses | Date April 2012 | Number of registrants | Tuition fee (AUD) | |
|---|-----------------------|--------------------------|------------------------------|------------------------------|
| | | | Before 31 January 2012 | After 31 January 2012 |
| <input type="checkbox"/> Course A: 2012 Mulligan Concepts : Upper Quadrant | 2-3 | 23 | <input type="checkbox"/> 600 | <input type="checkbox"/> 650 |
| <input type="checkbox"/> Course B: 2012 Mulligan Concepts : Lower Quadrant | 4-5 | 23 | <input type="checkbox"/> 600 | <input type="checkbox"/> 650 |
| <input type="checkbox"/> Course C: 2012 Advanced Mulligan Concepts Course Requirement: Certification of course A and B | 6-5 | 30 | <input type="checkbox"/> 600 | <input type="checkbox"/> 650 |
| <input type="checkbox"/> Course D: 2012 Certified Mulligan Practitioner(CMP) Credentialing Exam Requirement: Certification of course A, B and C | 8 | 10 | <input type="checkbox"/> 600 | <input type="checkbox"/> 650 |
| <input type="checkbox"/> Course E&F: 2012 Mobilization of the Nervous System: Upper and Lower Quadrant | 31 Mar – 1 Apr | 35 | <input type="checkbox"/> 600 | <input type="checkbox"/> 650 |
| <input type="checkbox"/> Course G: 2012 Postural Assessment and Appropriate Treatment | 29-31 Mar | 20 | <input type="checkbox"/> 600 | <input type="checkbox"/> 650 |

Course fee:

- Course fee is subject to change.
- Course fee is to be paid within 2 weeks after booking in order to secure the seat.
- Course fee for successful registration is non-refundable.
- Course fee is fully refundable if seats are not available or the course is cancelled.

Registration

- Register online at <http://www.pthcu.org/>
- Or send **registration** with **name of this course**, name of registrant and contact telephone number on the back to: pthcuconference@gmail.com

Method of payment

For payment to Huachiew Chalermprakiet University, please transfer the course fee to the following bank account in Thailand :

Bank name and address : Ayudhya Bank 18/20 Bangna-trad 18 Rd. Bangchalong Bangpli Samutprakran, Thailand 10540

Account name : Huachiew Chalermprakiet University

Account number : 596-5-00001-6 DS

We will inform bank account via email if seat/s is/are available. Reservation will be hold for 2 weeks. Registration will be confirmed when we receive your **registration** and **transfer slip**.

Postal address

Ajarn Titima Imjit

Faculty of Physical Therapy, Huachiew Chalermprakiet University

18/18 Bangna-Trad km 18 Road Bangplee district Samutprakarn Thailand 10540

website: <http://www.pthcu.org/>

Email: pthcuconference@gmail.com

Fax : 66-2-3126413

Prerequisite Requirements

- **Attire**: Wear loose, comfortable lab clothing (with long hair pulled back)

Accommodation: Reserve by yourself

The Ninth Place Serviced Residence

Telephone (662) 346-4567 Fax (662) 346-4600

Email reservation@theninthplace.com

Website: <http://www.theninthplace.com/>

Question or Inquiry

Course coordinator: Ajarn Titima Imjit

Email pthcuconference@gmail.com

Mobile: 66-081-8297803

Office: 66-0844993710, 66-02-3126300 ext 1439, 1162 Fax: 66-02-3126413

For Course A, B, C & D

Mulligan Institute website: http://www.bmulligan.com/courses/courses_main.php