

Professor of Physiotherapy

Head of Program, Physiotherapy

Contact details

Faculty of Health Sciences and Medicine
Doctor of Physiotherapy Program
BOND University
Gold Coast
Australia 4229
Tel: **+61 7 5595 3055**
Fax: **+61 7 5595 4480**
Email: whing@bond.edu.au

Qualifications

2004	Doctor of Philosophy – Anatomy (University of Auckland)
1994	Master of Science (Hons) – Physiology (University of Auckland)
1992	Diploma In Acupuncture – (Physiotherapy, Acupuncture and Pain Modulation Assn)
1986	Advanced Diploma of Physiotherapy (OMT) (Auckland Institute of Technology)
1986	Diploma of Manual Therapy – (New Zealand Manipulative Physiotherapist Assn)
1984	Diploma of Physiotherapy (Auckland Institute of Technology)
	Further Education and Training
2008	Fellowship to New Zealand College of Physiotherapy
2001	Advanced Practitioner – Tagged Member of the New Zealand College of Physiotherapy
1997	Accredited Mulligan Teacher (Mulligan Concepts Teachers Association)
1995	Certificate in Adult Teaching (Auckland University of Technology)
1995	Tagged Member of the New Zealand College of Physiotherapy

Academic positions held

2012 –	Head of Program, Physiotherapy (<i>from May 2012</i>)
2011 –	Professor, Bond University
2010 –	Adjunct Professor, UNITEC School of Osteopathy
2007 –	Head of Research, School of Rehabilitation & Occupation Studies
2007 –	Associate Professor, Auckland University of Technology
2006 –	Executive Member, Health & Rehabilitation Research Institute (HRRI)
2005 –	Director, Diagnostic Musculoskeletal Imaging Unit, AUT–Horizon Scanning
2002 – 2007	Research Lecturer, School of Physiotherapy
1997 – 2007	Principal Lecturer, School of Physiotherapy
1995 – 1997	Senior Lecturer, School of Physiotherapy

Editorial Board memberships

2001 –	International Editorial Board, <i>Journal of Manual Therapy</i>
2000 –	International Editorial Board, <i>Journal of Manual & Manipulative Therapy Inc.</i>

Awards and recognition

2010	Member Emeritus North Shore Branch of the New Zealand Society of Physiotherapy
2008	Promotion to Associate Professor – Auckland University of Technology (AUT)
2002	Vice Chancellor’s Excellence Award for Distinguished Teaching AUT
1999	ProsciTech Trans Tasman Award – Microscopy New Zealand
1999	New Zealand Young Scientist Award – Microscopy New Zealand
1999	New Investigator Award – Matrix Biology Society
	<i>Supervision-related awards</i>
2008	ASICS New Zealand Best Undergraduate Research Award (1 st place) – Malcolm Ash
2007	ASICS New Zealand Best Undergraduate Research Award (1 st place) – Anoushka Hall and Regan Wigg
2006	ASICS New Zealand Best Undergraduate Research award (1 st place) – Renee Bigelow and Toni Bremner
2006	New Zealand Society of Physiotherapists M.L Roberts Undergraduate Research Award – Renee Bigelow and Toni Bremner
2005	New Zealand Society of Physiotherapists M.L Roberts Undergraduate research award – Mark Overington and Damien Goddard

Consultancy and advisory work

2009 –	Member of Executive Committee of New Zealand Manipulative Physiotherapists Association
2005 –	Limited Prescribing Rights Working Party for New Zealand Society of Physiotherapists
2003 – 2007	National Medical Co-ordinator for Hockey New Zealand
2002 – 2005	President of New Zealand Manipulative Physiotherapists Association
2000 – 2007	Advisor Expert to Health and Disabilities Commission
1999 – 2007	Member of Academic Board of New Zealand College of Physiotherapy
1999 – 2004	Physiotherapist to New Zealand ‘Black Sticks’ Men’s Hockey Team
1997 –	Chairperson of Mulligan Concepts Teachers Association Scientific Committee
1996 – 2005	Member of Executive Committee of New Zealand Manipulative Physiotherapists Association
1994 –	Lecturer and Examiner for the New Zealand Manipulative Physiotherapists Association
1999 –	Reviewer, <i>Osteoarthritis and Cartilage</i>
2000 –	Reviewer, <i>New Zealand Journal of Physiotherapy</i>
2005 –	Reviewer, <i>Physical Therapy in Sport</i>

Professional Sports Physiotherapist appointments

2001 – 2008	National Medical Co-ordinator for Hockey New Zealand
2000 – 2004	New Zealand Hockey – Team Physiotherapist
2004	Champion’s Trophy Cup – Pakistan
2004	Australian Series – Perth, Australia
2003	Champion’s Challenge Cup – South Africa
2002	Commonwealth Games – Manchester, United Kingdom
2002	Six Nations Tournament – Malaysia
2002	World Cup – Kuala Lumpur, Malaysia
2001	World Cup Qualifier Tournament – Edinburgh, Scotland
2001	India Series – New Zealand
2001	Malaysia Series – New Zealand
2001	Manning Cup – Australia
2000	Pakistan Series – New Zealand
2000	Argentina Series – New Zealand
1997 – 1999	KINGS Professional Football Team – Team Physiotherapist
1995	All Black Rugby Team – Medical Advisory Panel
1995	New Zealand Secondary Schools Rugby Team – Team Physiotherapist

1994 – 1995	North Harbour Rugby Team Second XV – Team Physiotherapist
1994	New Zealand North Island Rugby Selection – Panel Member (NZ Rugby Union)
1994	Divisional XV Rugby Team – Team Physiotherapist
1994	North Harbour Rugby Representative Sevens – Team Physiotherapist
1993 – 1995	North Harbour Sea Eagles Rugby League – Team Physiotherapist (Lion Red Cup)
1992 – 2006	Northcote Senior Rugby Team – Team Physiotherapist
1992 – 1994	North Harbour Vikings Basketball Team – Fitness Consultant
1989 – 1991	Physiotherapist Consultancy to Dr John Davies
	– London Welsh Rugby Club
	– Harlequins Rugby Club
	– Tottenham Hotspur Football Club

Professional Association memberships

2012 –	Australian Physiotherapy Association
1993 –	Sports Medicine New Zealand
1984 –	New Zealand Manipulative Physiotherapists Association
1984 –	New Zealand Society of Physiotherapists
1995 –	New Zealand College of Physiotherapy
1995 –	New Zealand Sports and Orthopaedics Physiotherapy Association

Teaching at BOND University from 2012

2012-	Musculoskeletal Physiotherapy III PHTY91-408
	Musculoskeletal Physiotherapy II PHTY91-404
	Musculoskeletal Physiotherapy I PHTY91-402
	Musculoskeletal Physiotherapy II Clinical Practice PHTY92-410
	Evidence Based Practice Project I PHTY93-416
	Evidence Based Practice Project II PHTY93-418
	Clinical Internship PHTY93-419
	The Well Rounded Physiotherapist PHTY93-420

Teaching Experience at AUT University up till 2011

Postgraduate

2008 –	Paper Co-ordinator, 589688 Ultrasound Imaging
2007 –	Head of Research, School of Rehabilitation and Occupation Studies
2007 –	Lecturer, 589741 Clinical Anatomy
2007 –	Lecturer, 588717 Western Acupuncture
2005 –	Postgraduate and Research Committee Member (School representative)
2000 – 2004	Paper Co-ordinator, 588763 Muscle Pathology
2000 – 2003	Paper Co-ordinator, 588736 Therapeutic Exercise Science
1997 –	Lecturer, 588675 Musculoskeletal Physiotherapy
1997 – 2008	Paper Co-ordinator, 588675 Musculoskeletal Physiotherapy
1996 – 2005	Faculty Board of Studies Member
1996 – 2004	Faculty Examination Board Member
1995 –	Graduate Thesis Supervisor
1992 –	Lecturer, NZMPA National Musculoskeletal courses

Undergraduate

- 2000 – 2003 Selection Committee Member, Bachelor of Health Science
- 1999 – 2004 Programme Leader, Bachelor of Health Science – Physiotherapy Year III
- 1994 – Lecturer, 537363 Musculoskeletal Physiotherapy I (Manual Therapy and Sports Injuries)
- 1994 – Lecturer, 547465 Musculoskeletal Physiotherapy II (Spinal Manual Therapy)
- 1995 – 2009 Lecturer, 547468 Physiotherapy Elective (Spinal Manipulative Physiotherapy)
- 1995 – Lecturer, 547436 Research Paper
- 2008 Paper Co-ordinator, 547251 Neuroscience

Research

My overall research focuses on the clinical musculoskeletal research. It involves the clinical examination and imaging of connective tissue. I also have expertise related to sports recovery and physiology.

Research Collaborations include Canada, USA, Australia, New Zealand, Germany, UK

Research Supervision

Over the past 12 years I have supervised to completion over 30 higher degree research students at PhD and Masters level with a further 43 undergraduate research projects

I currently supervise 15 higher degree students at PhD and Masters level

Publications

I have published over 50 peer reviewed journal articles over the past 14 years, including papers in top ranking journals in the fields of manual therapy (Manual Therapy, Journal of Manual and Manipulative Therapy), ultrasound imaging (ultrasound and Biology), musculoskeletal medicine (BMC Musculoskeletal medicine, Journal of Foot and Ankle Research), sports science (Physical Therapy in Sport, International Journal of Sports Physiology and Performance, Sports Medicine), physiology (Journal of Physiology, American Journal of Physiology), biomechanics (clinical biomechanics,) and rehabilitation (Journal of Orthopedic and Sports Physical Therapy).

And presented over 60 conference presentations (both national and international) over the past 12 years

Published

- Carroll, M., Yau, J., Keith Rome, K., Hing, W. (2012). Measurement of tibial nerve excursion during ankle joint dorsiflexion in a weight-bearing position with ultrasound imaging. *Journal of Foot and Ankle Research*. 5:5, doi:10.1186/1757-1146-5-5
- Ellis, R. F., Hing, W. A., & McNair, P. (2012). Comparison of different neural mobilisation exercises upon longitudinal sciatic nerve movement: an *in-vivo* study utilising ultrasound imaging. (*accepted with minor revision Feb 07 2012... Journal of Orthopaedic and Sports Physical Therapy*).
- Gargano, F. & Hing, W.A. (2012) Vestibular Influence on Cranio-Cervical Pain. *New Zealand Journal of Physiotherapy*. (*for July issue*)
- Laslett M, McNair P, Cadogan A, Hing W. (2012) Comparison of a novel direct measure of rapid pain intensity change to traditional serial 100mm VAS measurement of pain intensity. CJP-D-11-00248R1.
- Reid, D. A., Flynn, T., Hing, W. A., McCarthy, C., & Westerhuis, P. (2011, August). Focused symposium no. FS-2: Spinal manipulation - Evidence for physiotherapist delivery of effective proceduresga. *Physiotherapy*, 97(Supplement), eS1-eS17.
- Reid, D. Rydwanski J, Hing W, White S (2012) The effectiveness of post-operative exercise rehabilitation following partial meniscectomy of the knee. *Physical Therapy Reviews*. 17(1), 45-5.
- Hing, W.A., Hume, P. & Reid, D. (2011). Comparison of multimodal physiotherapy and "R.I.C.E." self-treatment for early management of ankle sprains. *New Zealand Journal of Physiotherapy*. 39(1), 13-19.
- Whatman, C., Hing, W.A., Hume, P. (2011) Physiotherapist agreement when visually rating movement quality during lower extremity functional screening tests. *Physical Therapy in Sports*. DOI: 10.1016/j.ptsp.2011.07.001
- Lan, H., Al-Jumaily, A. M., Lowe, A., Hing, W.A (2011). Effect of Tissue Mechanical Properties on Cuff-Based Blood Pressure Measurements *Medical Engineering & Physics*.33(10) 1287-1292. DOI: 10.1016/j.medengphy.2011.06.006
- Cadogan, A., Laslett, M., Hing, W., McNair, P., Coates, M. (2011) A prospective study of shoulder pain in primary care: Prevalence of imaged pathology and response to guided diagnostic blocks. *BMC Musculoskeletal Disorders*. 12, 119. DOI: 10.1186/1471-2474-12-119.
- Montgomery, T., Boocock, M., Hing, W.A. (2011) The Effects of Spinal Posture and Pelvic Fixation on Trunk Rotation Range of Motion. *Clinical Biomechanics*. 26(7), 707-712.
- Whatman, C., Hume, P. Hing, W.A. (2011) Kinematics during lower extremity functional screening tests - are they reliable and related to jogging? *Physical Therapy in Sport*. 12(1), 22-29.
- Cadogan, A., Laslett, M., Hing, W.A., McNair P, Williams M. (2010) Interexaminer reliability of orthopaedic special tests used in the assessment of shoulder pain. *Manual Therapy*. 16, 131-135.
- Hing, W.A., White, S., Bouaaphone, A, & Lee, P. (2010). The use of contrast therapy water immersion recovery within the New Zealand elite sports setting. *New Zealand Journal of Sports Medicine*. 7(1), 8-11.
- Cadogan, A., Laslett, M., Hing, W.A., McNair, P, Williams M. (2010). Reliability of a new hand-held dynamometer in measuring shoulder range of motion and strength. *Manual Therapy*. 16, 97-101.
- Sharrock N., Hing, W., Lowe A. (2010). Population-based assessment of suprasystolic vascular signals. *Journal of Hypertension*. 28, E317-E317
- Legerlotz, K., Smith' H.K., Hing, WA. (2010). Variation and reliability of ultrasonographic quantification of the architecture of the medial gastrocnemius muscle in young children. *Clinical Physiology and Functional Imaging*. 30(3), 198-205. DOI: 10.1111/j.1475-097X.2010.00925.x

Proctor M, Hing W, Johnson TC, Murphy PA, Brown J. (2010). Spinal manipulation for dysmenorrhoea. *Cochrane Database of Systematic Reviews*. Issue 1.

Lan H.; Al-Jumaily A. M., Hing, W. (2010) Biomechanical basis of oscillometric blood pressure measuring technique *Proceedings of the ASME international mechanical engineering congress and exposition*. 2, 481-483.

Hing, W.A., Rome, K. Cameron, A.F. (2009). Reliability of measuring abductor hallucis muscle parameters using two different ultrasound machines. *Journal of Foot and Ankle Research* 2009, 2:33 doi:10.1186/1757-1146-2-33

Hing, W.A., Bigalow, R, Bremner, T. (2009). Mulligans Mobilisation with Movement: A Systematic Review. *Journal of Manual and Manipulative Therapy*. 17(2), 39-66.

Ellis, R. F., & Hing, W. A. (2009). Neurale mobilisation: Systematischer review randomisierter kontrollierter studien mit einer analyse der therapeutischen wirksamkeit. *Manuelletherapie*, 2, 47-57.

Hing, W.A. Marshall, R. White, S. & Reid, D (2009). Validity of the McMurray's Test and modified versions of the test: a systematic literature review. *Journal of Manual and Manipulative Therapy*. 17(1), 22-35.

Abbott, H., Fritz, J., Flynn, T., Whitman, J., Hing, W.A., Reid, D. (2009). Manual physical assessment of spinal segmental motion: intent and validity. *Manual Therapy*. 14(1), 36-44.

Cameron, A.F., Rome, K., & Hing, W.A. (2008). Ultrasound evaluation of the abductor hallucis muscle: a reliability study. *Journal of Foot and Ankle Research*. 12, 1-9.

Hing, W.A., Bigalow, R, Bremner, T. (2008). Mulligan's Mobilisation with Movement: A review of the tenets & prescription of MWMs. *New Zealand Journal of Physiotherapy*. Vol 36 (3), 55-75.

Hing, W.A., White, S., Bouaaphone, A, Lee, P. (2008) Contrast Therapy – A Systematic Review. *Physiotherapy in Sport*. Vol. 9, 148-161.

Ellis, R, Hing, W.A. (2008). The effect of Neural tissue mobilisation – a Systematic Review. *Journal of Manual and Manipulative Therapy*. Vol 16, (1) 8-22.

Ellis, R. F., & Hing, W. A. (2008b). Neural mobilization: A systematic review of randomized controlled trials with an analysis of therapeutic efficacy. Mobilizacje struktur nerwowych - Przegląd systematyczny badań z randomizacją i grupą kontrolną oraz analiza skuteczności terapeutycznej, 12(2), 34-44.

Ellis, R, Hing, W.A., Dille, A., McNair, P. (2008). The reliability of measuring sciatic nerve movement, during neural mobilisation, using diagnostic ultrasound. *Ultrasound and Biology*. Vol 34 (8) 1209-1216.

Ellis, R., Hing, W.A. & D.Reid (2007). Iliotibial band friction syndrome - A systematic review. *Manual Therapy*. Vol 12 (3) 200-208.

Wilcock, I.M, Cronin, J.B. & Hing W.A. (2006). Water Immersion: does it enhance recovery from exercise. *International Journal of Sports Physiology and Performance*. Vol 1, 195-206.

Wilcock, I.M., Cronin, J.B. & Hing, W.A. (2006). Physiological response to water immersion: a method for sport recovery? *Sports Medicine*, 36(9) 747-765.

Hing W., Overington, M. and Goddard, D. (2006). The effect of patella taping – a critical review. *New Zealand Journal of Physiotherapy*. July, Vol 34 (2) 66-80.

Hing, W.A. (2004). Dynamic Chondron Function in Articular Cartilage. Doctoral Thesis. University of Auckland. (Monograph)

Hing, W.A & Reid, D.A. (2004). Mulligan Concept and Sports Taping: *Taping Techniques*. Editor, McDonald R. (2nd Ed) Butterworth Heinemann.

- Haswell, K., Williams, M., & Hing, W. (2004). Interexaminer reliability of symptom-provoking active sidebend, rotation and combined movement assessments of patients with low back pain. *Journal of Manual and Manipulative Therapy*, 12, 11-20.
- Hing, W.A., Reid, D.A., Monaghan, M. (2003). Manipulation of the Cervical Spine. *Manual Therapy*. Vol 8, (1). 2-9.
- Reid, D.A., Larmer, P., Robb, G., Hing, W.A., McNair, P. (2002). Use of a vignette to investigate the physiotherapy treatment of an acute episode of low back pain: Report of a survey of New Zealand physiotherapists. *The New Zealand Journal of Physiotherapy*. Vol. 30, No. 2. 26-35.
- Larmer, P., Robb, G., Hing, W.A., Reid, D.A., McNair, P. (2002). Use of a vignette to investigate the physiotherapy treatment of an acute ankle sprain: Report of a survey of New Zealand physiotherapists. *The New Zealand Journal of Physiotherapy*. Vol. 30, No. 2. 36-45.
- Hing, W.A., Sherwin, A.F., Ross, J.M., Poole, C.A. (2002). The influence of the pericellular microenvironment on the chondrocyte response to osmotic challenge. *Osteoarthritis and Cartilage*. Vol. 10, No. 4. 297-307.
- Wilson, ML, Hing, W.A., Murphy, P.A., Johnson, T.C. (2002). Spinal manipulation for primary and secondary dysmenorrhoea. *The Cochrane Library*. 2002, Issue 2.
- Hing, W.A, Sherwin, A.F., Ross, J.M., Poole, C.A. (2001). The influence of the pericellular microenvironment on the physiological response of the chondrocyte to simulated joint loading. *Orthopaedic Research Society, 47th Annual Meeting, Orthopaedic Research Society; San Francisco. Trans. Orthop. Res.*
- Reid, D.A. & Hing, W.A. (2001). AJP Forum: Pre-manipulative testing of the cervical spine. *Australian Journal of Physiotherapy*. Vol. 47, 163-7.
- Hing, W.A., Poole, C.A., Jensen, C.G. & Watson, M. (2000). An Integrated Environmental Perfusion Chamber and Heating System For Long Term Maintenance High Resolution Imaging Of Living Cells. *Journal of Microscopy*. 199(2) 90-95.
- Cairns, S.P., Hing, W.A., Slack, J., Mills, R. & Loiselle, D.S. (1997). Different effects of raised $[K^+]_o$ on membrane potential and contraction in mouse fast- and slow-twitch muscle. *American Journal of Physiology*. 273, 42: C598-C611.
- Cairns, S.P., Hing, W.A., Slack, J., Mills, R. & Loiselle, D.S. (1998). Role of extracellular $[Ca^{2+}]$ in fatigue of isolated mammalian skeletal muscle. *Journal of Applied Physiology*. 84, (4): 1395-1406.
- Hing, W.A. (1994). A Mechanical Test of the Energetic Basis of Muscle Fatigue. Masters Thesis. (Monograph)
- Hing, W.A, & Reid, D.A. (2003). Musculoskeletal Screening Guidelines. New Zealand Academy of Sport.
- Hing, W.A, Stanley, S.N. & Reid, D.A. (2003). Dynamic Spine Compact Disc. Auckland University of Technology.
- Poole, C.A, Hing, W.A. (1998). Dynamic imaging of chondrocyte and chondron behaviour in vitro and ex vivo. Proceedings of the MBSANZ 2, Adelaide, Australia, September.
- Hing, W. & Monaghan, M. (1997). Video - Cervical Spine - Assessment and Treatment. Auckland University of Technology, Educational Technology Centre.
- Hing, W.A. (1998). Cervical Spine Manipulation – Safe Practice. *New Zealand General Practice*. February 20.

Books

- Vicenzino, B., Hing, W.A., Rivett, D., Hall, T. (2010). Mobilisation with Movement: the Art and the Science. Elsevier.

Book Chapters

Hing, W.A. & Miller, J. (2010). Chapter 20: Mobilization with Movement of the Shoulder Joint in Neck and Arm Pain Syndromes. Editors: Fernández-de-las-Peñas, C., Cleland, J.A., Huijbregts, P. Elsevier USA

Hing, W.A. & Reid, D.A. (2009). Pocketbook of Taping techniques. Editor: McDonald, R. Elsevier, Churchill Livingstone, Edinburgh

Seven chapters in total (details below)

Chapter 5	Heel pain, pg 62
Chapter 6	ANKLE AND LEG: acute ankle sprain, pg 70; Inferior tibiofibular joint, pg 72; Achilles tendonopathy, 72; Superior tibiofibular joint, pg 96
Chapter 7	KNEE:Patellar tendonosis, 102
Chapter 8	LUMBAR SPINE: Lumbar spine taping, 118; Sacroiliac joint, 122
Chapter 9	THORACIC SPINE: Thoracic spine, 128
Chapter 10	SHOULDER GIRDLE: Subluxation of acromioclavicular joint, 146
Chapter 11	ELBOW WRIST AND HAND: Tennis elbow (lateral epicondylitis) 172; Inferior radioulnar joint taping, 190

Refereed Conference presentations

Whatman, C., Hume, P. A., & Hing, W. (2011). Is the small knee bend a reliable and valid screening test of dynamic lower extremity alignment in young athletes? Paper presented at the British Association of Sport and Exercise Medicine Conference, London, UK.

Cadogan, A., Laslett, M., Hing, W., & McNair, P., Taylor, S. (2011). Subacromial impingement – what are we treating? NZ Manipulative Physiotherapists Association Biennial Conference, Rotorua, NZ.

Hing, W.A. (2011). The effect of an eccentric loading programme for patellar tendinopathy. NZ Manipulative Physiotherapists Association Biennial Conference, Rotorua, NZ.

Hing, W.A. (2011). Arterial stiffness: a cardiovascular screening tool. NZ Manipulative Physiotherapists Association Biennial Conference, Rotorua, NZ.

Hing, W.A. (2011). Focused Symposium: Spinal manipulation – Evidence for physiotherapists delivery of effective procedures. World Confederation of Physical Therapy. Amsterdam, Netherlands. 20-23 June.

Hing, W.A. (2011). Positional Fault: Fact or fiction. 2nd International Mulligan Conference. Porto, Portugal. 12-13 June..

Hing, W.A. (2011). The assessment of the positional fault hypothesis in the shoulder by diagnostic ultrasound imagin. 2nd International Mulligan Conference. Porto, Portugal. 12-13 June.

Cadogan, A., Laslett, M., Hing, W., & McNair, P. (2010). Diagnosis of shoulder pain. Presented at the Nelson Shoulder Symposium, Nelson, New Zealand.

Ellis, R., Eason, T., Edwards, C., Hing, W., & McNair, P. (2010) Assessing the clinical validity of neurodynamic tests. Paper presented at the meeting of the Neurodynamics and the Neuromatrix. Nottingham, United Kingdom, 15-17 April.

Harvey, D., Hing, W. and White, S. (2010) The Diagnosis of Subacromial Impingement Syndrome and Associated Pathology in the Primary Care Setting. Paper presented at the Physiotherapy New Zealand Conference. Auckland, 14-16 May.

Hing, W., Kung, J., Smith, H. and Legerlotz, K. (2010) Investigation of Tendon Parameters by Ultrasound Imaging in Patellar Tendonopathy. Paper presented at the Physiotherapy New Zealand Conference. Auckland, 14-16 May.

Sharrock, N, Lowe, A, Hing, WA, Neal, N. (2010) Population-based assessment of suprasystolic vascular signals (2010) 20th European Meeting of Hypertension. Oslo, 18–21 June.

Cadogan, A., Hing, W., Laslett, M., & McNair, P, Mohammed, K. (2009). Clinical diagnosis of glenoid labrum pathology. Sports Medicine New Zealand Conference, Rotorua, NZ.

- Cadogan A, Laslett M, Hing WA, McNair PJ, and Williams MMN. (2009) Interexaminer Reliability of Orthopaedic Special Tests of the Shoulder. Australian Physiotherapists Association Conference, Australia.
- Cadogan A, Laslett M, Hing WA, McNair PJ, and Williams MMN. (2009). Diagnostic Accuracy of a Clinical Examination in Detecting Rotator Cuff Pathology. Australian Physiotherapists Association Conference. Sydney, Australia.
- Cadogan A, Laslett M, Hing WA, McNair PJ, and Williams MMN. (2009). Diagnostic Accuracy of a Clinical Examination in Identifying the Subacromial Bursa as the Source of Pain. Australian Physiotherapists Association Conference. Sydney, Australia.
- Cadogan A, Laslett M, Hing WA, McNair PJ, and Williams MMN. (2009). Interexaminer Reliability of Physical Examination Tests Used in the Assessment of Shoulder Pain. New Zealand Manipulative Physiotherapists Association Biennial Conference, Rotorua, New Zealand.
- Cadogan A, Laslett M, Hing WA, McNair PJ, and Williams MMN. (2009). Diagnostic accuracy of clinical tests in detecting rotator cuff pathology. A pilot study. New Zealand Manipulative Physiotherapists Association Biennial Conference. Rotorua, New Zealand.
- Whatman, C., Hume, P. A., & Hing, W. (2009). Lower extremity functional tests - are they reliable and do they predict actual function? Paper presented at the New Zealand Conference of Medicine and Science in Sport, Rotorua, New Zealand.
- Ellis, R., Milne, A., Tuck, K., Hing, W., and McNair, P. (2009). The reliability of measuring knee range of movement in response to submaximal pain created by increased neural tension during a modified slump test. Paper presented at the New Zealand Manipulative Physiotherapists Association Biennial Conference. Rotorua, New Zealand.
- Redmayne, J., Small, S., and Hing, W.A. (2009). Investigation of joint manipulation via ultrasound imaging. Paper presented at the New Zealand Manipulative Physiotherapists Association Biennial Conference. Rotorua, New Zealand.
- Cadogan, A., Milne, A., Tuck, K., Hing, W., and McNair, P. (2009). Interexaminer reliability of physical examination tests used in the assessment of shoulder pain: Range of motion, muscle strength, therapist ratings and symptom response Orthopaedic special tests. Paper presented at the New Zealand Manipulative Physiotherapists Association (NZMPA) Biennial Conference. Rotorua, New Zealand.
- Cadogan A, Laslett M, Hing WA, McNair PJ, and Williams MMN. (2009). Interexaminer reliability of orthopaedic tests used in the assessment of shoulder pain. Paper presented at the Australian Physiotherapists Association (APA) Biennial Conference. Rotorua, New Zealand.
- Boocock, M.G., Montgomery, T.C. and Hing, W. (2009). Sagittal Plane trunk posture and its effects on trunk rotational range of motion. In: Proceedings of the 17th World Congress on Ergonomics, IEA2009 Congress. 10-14 August, Beijing, China.
- Boocock, M.G., Montgomery, T.C. and Hing, W. (2009). Axial rotation of the trunk and the effects of alterations in sagittal plane trunk posture. In: Proceedings of the New Zealand Ergonomics Society: Ergonomics for the ageing population (ISBN: 0-9582560-2-0). Martinborough, 27– 28 May.
- Hing, W.A. (2009). Positional Fault: Fact or Fiction. International Mulligan Concept Conference: Mobilisation with Movement – the Science, Evidence and the Art. Chicago, United States of America. 1-3 May.
- Hing, W.A. (2009). The assessment of Mulligan’s shoulder Mobilisation with Movement’s by diagnostic ultrasound. International Mulligan Concept Conference: Mobilisation with Movement – the Science, Evidence and the Art. Chicago, United States of America. 1-3 May.
- Hing, W.A. (2008). Assessment of cervical anatomy and the measurement of vertebral artery blood flow using diagnostic ultrasound during different clinically relevant neck positioning in normal subjects. Australian & New Zealand Association of Clinical Anatomists Inc. Auckland, New Zealand.
- Ellis, R., Hing, W.A., Dille, A. & McNair, P. (2008). Diagnostic ultrasound assessment of sciatic nerve movement during neural mobilisation – quantitative assessment and reliability. Australian & New Zealand Association of Clinical Anatomists Inc. Auckland, New Zealand.
- Keep, W., Close, D., Clark, H. & Hing, W.A. (2008). The investigation of posterior gluteus medius using diagnostic ultrasound imaging. Australian & New Zealand Association of Clinical Anatomists Inc. Auckland, New Zealand.

- Bajaj, M., Anderson, I., Blyth, P., & Hing, W.A. (2008) Patient specific bone modelling using ultrasound imaging. Australian & New Zealand Association of Clinical Anatomists Inc. Auckland, New Zealand.
- Cameron, A., Rome, K., & Hing, W.A. (2008). Reliability of measuring abductor hallucis muscle using ultrasound. 10th New Zealand Podiatry Conference, Christchurch.
- Rome, K., Cameron, A., & Hing, W.A. (2008). Ultrasound evaluation of the abductor hallucis muscle: reliability study. 10th Australian Sports Medicine Conference, Hamilton Island, Australia.
- Allen, S., Graham, A., & Hing, W.A. (2008). The reliability of diagnostic ultrasound assessment of longitudinal and transverse sciatic nerve movement during neural mobilisation. Australian Society for Ultrasound in Medicine, Auckland, New Zealand.
- Allen, S., Graham, A., & Hing, W.A. (2008). Ultrasound results related to clinical examination by physios & orthopaedic surgeons. Australian Society for Ultrasound in Medicine, Auckland, New Zealand.
- Ellis, R, Hing, W.A., Dilley, A., & McNair, P. (2008). Ultrasound imaging of sciatic nerve movement in a neural pre-loaded compared to an unloaded position – quantitative assessment and reliability. 9th Scientific Conference of the International Federation of Orthopaedic Manipulative Therapists. Rotterdam, Netherlands.
- Hing, WA (2008). Cervical spine screening. 9th Scientific Conference of the International Federation of Orthopaedic Manipulative Therapists. Rotterdam, Netherlands.
- Hing, WA (2008). Measurement of vertebral artery blood flow using ultrasound imaging during the set up of cervical spine manipulative positions in normal subjects. 9th Scientific Conference of the International Federation of Orthopaedic Manipulative Therapists. Rotterdam, Netherlands.
- Hing, WA. (2008). The assessment of Mulligan’s shoulder mobilisation with movement’s by diagnostic ultrasound. 9th Scientific Conference of the International Federation of Orthopedic Manipulative Therapists. Rotterdam, Netherlands.
- Whatman, C., Hing, W., & Hume, P. A. (2008). Physiotherapist Agreement in Rating Movement Quality during Lower Extremity Functional Tests. New Zealand Conference of Medicine and Science in Sport, Dunedin, New Zealand.
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