

## HEALTH EDUCATION SEMINARS

# Haemodynamics of the Cervical Arteries: VBI Issues

Alan Taylor MCSP MSc, Roger Kerry MCSP MMACP MSc

### Presenters

**Alan Taylor** graduated from the Nottingham School of Physiotherapy in 1982. A keen sportsman, he successfully combined his early career as a physiotherapist with that of a professional cyclist – completing the Professional Tour of Britain in 1988. Alan gained his Masters degree in Sports Injury and Therapy at the Manchester Metropolitan University in 1998. His subject matter led to a special interest in vascular issues relating to manual therapy. He has worked extensively as a manual therapist in South Africa, New Zealand, and the UK. He currently works as a Physiotherapy Manager in Nottingham and part time lecturer at Manchester Metropolitan University. He lectures world wide on sports medicine subjects and altered haemodynamics. He has also authored a number of papers and a forthcoming chapter in Grieve's Modern Manual Therapy.

**Roger Kerry** graduated from Pinderfields School of Physiotherapy and subsequently gained a Masters of Science degree in Manipulative Therapy. He is a member of the MACP and a diplomate of the Cyriax Organisation. Before taking up his current post as a Physiotherapy lecturer and researcher at Nottingham University, Roger worked as an extended scope practitioner in Orthopaedics. His clinical and research interests involve haemodynamics and vascular injury, manipulative therapy, and clinical reasoning in manual therapy. Roger lectures widely in the area of haemodynamics and is a regular presenter at seminars and conferences on this subject. He has numerous publications concerning various areas of physiotherapy practice.

**The Tutors are authors of a Chapter: *Vascular Syndromes Presenting as Pain of Spinal Origin* in the forthcoming 3<sup>rd</sup> Edition of Grieve's Modern Manual Therapy.**

### Course Description

This new one-day course presents an evidence-based review of altered haemodynamics and cervical pain syndromes'. This course is specifically designed for manual therapists and sports therapists involved in the assessment and management of all types of cervical dysfunction. Like our 'Altered Haemodynamics' course, the emphasis is on assessment and differential diagnosis of these pain syndromes.

This course expands manual therapy thinking and knowledge beyond vertebrobasilar insufficiency. There is a significant and unique review of the anterior vascular system of the cervical region and its relationship to manual therapy management.

The course is suitable for all musculoskeletal practitioners who wish to look outside their 'usual' scope of practice. Improved clinical reasoning and practical diagnostic skills will provide a direct impact on day-to-day clinical practice.

It is designed to be beneficial for all levels of expertise and experience, with particular relevance to Sports Medicine Practitioners and Manual Therapists.

A systematic approach will provide the foundation for meaningful, successful and safe practice.

**Fee:** £117.50 by cheque or online, payable to 'Health Education Seminars' (includes refreshments, course manual with extensive references and CPD certificate of attendance - 15hrs).

VAT INCREASE from January 1st 2010.

## Course outline

- Clinical reasoning in haemodynamics and the cervical spine
- Current thinking and research.
- Anatomical principles of the cervical spine and the related vascular system.
- Mechanisms of vascular injury and arterial lesions in the cervical vasculature.
- The value of subjective examination.
- Headaches of vascular origin.
- Whiplash and trauma - consequences for the vascular system
- Physiotherapy management and altered haemodynamics in the cervical region.

All parts of the programme are a mix of theory and practical components.

### Suggested reading for delegates

**Kerry R** 2002 Pre-manipulative procedures for the cervical spine – new guidelines and a time for dialectics: knowledge, risks, evidence and consent. *Physiotherapy* 88 (7): 417-420

Mann T, Refshauge K 2001 Causes of complications from cervical spine manipulation *Australian Journal of Physiotherapy* 47(4):255-66.

Mitchell J, Keene D, Dyson C, Harvey L, Pruevey C, Phillips R 2004 Is cervical spine rotation, as used in the standard vertebrobasilar insufficiency test, associated with a measureable change in intracranial vertebral artery blood flow? *Manual Therapy* 9(4): 220-227

**Taylor, A.J.** 2001 Vascular assessment in musculoskeletal examination. *Physiotherapy*, 87(6), 282-284.

**Taylor AJ and Kerry R** 2005 Neck pain and headache as a result internal carotid artery dissection; Implications for clinicians. *Manual Therapy* 10(1): 73-77

Thiel H, Rix G 2005 Is it time to stop functional pre-manipulation testing of the cervical spine? *Manual Therapy* 10(2): 154-158

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2. Upon receipt of your application form and course fee you will be sent a letter confirming your place on the course and receipt of the course fee. If you are being funded to attend a course (see section below) the full course fee must be made at least 4 weeks prior to the course date.
3. A full refund, **less a £50 administration fee**, will be made if written cancellation is received in the HES Office **four weeks prior** to the course date. No refunds will be made after this time, for whatever reason. Substitute delegates are accepted at any time.
4. HES reserves the right to cancel the course if there are insufficient enrolments. If, in the unlikely event a tutor cannot attend the course, HES will endeavour to find a new date for the course to be held. HES will not be held responsible for any damages incurred as a result of course cancellation.
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