

Brief biography

Roger Kerry is Associate Professor in the Faculty of Medicine and Health Sciences at the University of Nottingham, UK. He is a qualified Chartered Physiotherapist, and an honorary Fellow of the UK's Musculoskeletal Association of Chartered Physiotherapists. His main clinical research interests have been in adverse events and physiotherapy interventions of the head and neck, particularly on the causal nature of the interventions. Roger is also undertaking research activity in the Philosophy of Science, investigating the nature of causation in the health sciences, and this was the focus of his PhD. He is well-published in these areas and has been an invited speaker at numerous international conferences.

DAY 1

Haemodynamics for Physiotherapists (general)

Tutor: Roger Kerry, PhD

This first day focusses on vascular pathologies and injuries which present as neuromusculoskeletal dysfunction. The day will cover the differential diagnosis of vascular pathologies of the trunk, upper, and lower quadrants. Physiotherapy roles are changing, our responsibilities are growing and public expectations of us are increasing. Vascular assessment is a perfect example of the shift in physiotherapy practice which is being made in the context of emerging scientific knowledge. This course brings you up to date with the key elements of vascular science and practical skills required to enhance your clinical practice.

The one-day programme will cover:

- Haemodynamic science
- Vascular sources of pain
- Injury to vessels and pathological states
- Risk assessment
- Practical assessment skills and exercise testing

Learning outcomes:

Upon completion of this course, delegates will be able to

1. Demonstrate clinical knowledge of vascular disease relevant to everyday neuromusculoskeletal practice
2. Undertake careful and focused history taking to facilitate reasoning and pattern recognition regarding vascular pathologies
3. Perform specific haemodynamic clinical tests to facilitate differential diagnosis and clinical reasoning
4. Develop enhanced clinical decision making regarding referral and management of patients with suspected vascular pathology

DAY 2

Cervical Arterial Dysfunction and Neck Rehabilitation

Tutor: Roger Kerry, PhD

Summary

The day will provide clinicians with evidence-based knowledge and skills necessary for best practice related to assessment of people with head and neck pain and their risk of cervical arterial dysfunction. This issue is not just related to treatment choice, e.g. manipulation, but rather, a much broader approach related to differential diagnosis and risk management will be taken. Subjectively we will cover the questions needed to make sound probability judgments on risk, and objectively we will cover blood pressure assessment and cranial nerve examination, among other skills related to best clinical decision-making. We will conclude with a focus on management strategies for both CAD pathologies (e.g. referral), and then move onto to best practice rehabilitation of people with typical (non-CAD) head and neck pain.

The one-day programme will cover:

- Arterial pathologies of the head and neck, as relevant to physiotherapists
- Differential diagnosis of arterial pathologies, compared to non-CAD head and neck pain
- Clinical reasoning and sub-grouping of people with head and neck pain
- Management of people with CAD

- Rehabilitation and risk management principles and practice for people with typical (non-CAD) head and neck pain (e.g. whiplash associated disorder)

Learning outcomes

Upon completion of this course, delegates will be able to:

1. Demonstrate clinical knowledge of CAD relevant to everyday neuromusculoskeletal practice
2. Undertake careful and focused history taking to facilitate reasoning and pattern recognition regarding CAD pathologies
3. Perform specific clinical tests to facilitate differential diagnosis and clinical reasoning
4. Develop enhanced clinical decision making regarding referral and management of patients with suspected vascular pathology
5. Develop their understanding and practice skills rearing rehabilitation of people with non-CAD head and neck pain