BBTA | Introductory Module 2

Postural Control and the Recovery of Locomotion

This BBTA module considers the development of postural control as a basis for recovery of locomotion and functional walking. It will include both theoretical and practical sessions along with a patient demonstration.

Course Aims:

- To identify a framework for assessment and treatment of the patient with impairment of balance and walking
- To develop skills of movement observation, movement analysis, and movement facilitation with particular reference to improving balance and locomotion
- To link the evidence base and clinical practice

Learning Objectives:

- Review key elements of sensorimotor control for posture and locomotion
- Review the neuromuscular and biomechanical basis of locomotion, and identify priorities for treatment
- Enhance skills of movement analysis to assess inefficiencies of postural control and locomotion
- Enhance skills of facilitation to promote more efficient postural control and locomotion
- Apply a movement analysis framework to assess and address inefficiencies of locomotion in neurological patients

Who is this course suitable for?
Qualified Physiotherapists and Occupational Therapists working in Neurorehabilitation

Requirements:
Applicants must be a qualified PT or OT

Suggested Reading:

Lemon, R.N., Landau, W., Tutssel, D. and Lawrence, D.G., 2012. Lawrence and Kuypers (1968 a, b) revisited: copies of the original filmed material from their classic papers in Brain. Brain, 135(7), pp.2290-2295.

Beyaert, C., Vasa, R. and Frykberg, G.E., 2015. Gait post-stroke: Pathophysiology and rehabilitation strategies. Neurophysiologie Clinique/Clinical Neurophysiology, 45(4-5), pp.335-355.