

Mobility Research

LLC Education Department is pleased to present;

Partial Weight Bearing Gait Therapy¹

RATIONALE, PROTOCOLS & CLINICAL TECHNIQUES LAB

COURSE DESCRIPTION

One of the most debilitating aspects of many neurological and musculoskeletal disorders is loss of the ability to ambulate. Much of therapeutic practice involves facilitation of the recovery of ambulation and its components, namely posture, balance, weight bearing, endurance and coordination of lower limb movement.

Partial Weight Bearing Gait Therapy (PWBGT) has been demonstrated as an effective means for improving ambulation for patients with a variety of neurological conditions such as CVA, TBI, SCI, CP, Downs Syndrome, and more. Many clinicians have found that the use of PWB protocols will hasten patient gains in ambulatory function in a safe and efficient environment. This course, *a complete introduction to PWB-GT*, will cover the basic science research that serves as the basis for Partial Weight Bearing. Gait Therapy rationale, as well as the clinical research results that support the clinical applications & protocols for adult & pediatric populations. A discussion of these clinical protocols and typical progression of treatment that have emerged will also be presented. *The hands on portion of this course is all you need to know to get started.* Clinicians are exposed to the PWB environment and will practice the techniques with patients.

COURSE OBJECTIVES

Lecture participants will:

- develop an understanding of Partial Weight Bearing (PWB) gait therapy concepts, including an overview of the research and clinical background leading to the concepts.
- be able to identify appropriate adult & pediatric patient populations for PWB
- learn about PWB protocols for various patient populations
- observe video & slide presentations of sample treatment sessions & patient outcomes
- be able to describe the necessary elements of PWB-GT techniques

Lab participants will:

- demonstrate the necessary components necessary for successful PWB-GT treatment
- practice facilitation techniques within the PWB environment & device with patients- adult and/or pediatric
- increase their proficiency in the use of PWB Techniques so that they can utilize these techniques with a wider range of patients

COURSE SCHEDULE

7: 45am	Sign In
8:00 am	Introduction to Partial Weight Bearing Gait Therapy Basic Science Foundation CPG discussion Rationales for use PWB-GT Treatment Environment
9: 45am	BRE AK
10: 00am	Application of Clinical Research & Protocols Clinical Research results by diagnosis Clinical Protocols Discussion Protocol variations by Diagnosis Alternative Uses for the environment Adult & Pediatric Issues
12: 15pm	LUNCH (12:15-1:15)
1: 15pm	Hands on Group Interaction Harness application Device interaction
2:15 pm	Clinical Techniques Lab Hands on practice with patients Facilitation tips (4 patients, every 30 minutes- 2:15, 2:45, 3:15, 3:45)
4:15 pm	End of Seminar

ABOUT THE INSTRUCTOR

Nechama Karman, PT, MS, PCS

Nechama Karman, PT, MS, PCS is a board certified pediatric physical therapist in private practice in Great Neck, NY. She was formerly on faculty at the School of Health Professions, Behavioral and Life Sciences of New York Institute of Technology, in Old Westbury, NY and School of Health Sciences, Hunter College of the City University of New York.

She has recently held adult rehab and outpatient positions, including working with adults with traumatic brain injury spanning the spectrum from coma emergence to high-performance sports participation (including running) using the LiteGait.

Ms Karman also has extensive experience in the acute rehab setting for adults with orthopedic and neurological conditions. She has extensive pediatric rehabilitation experience across the spectrum, and has held pediatric clinical, education and research positions in NY.

She is active in clinical education as well as clinical research. Her research interests relate to the efficacy of treatment approaches in pediatric physical therapy, and in women's health issues in physical therapy. She is a PhD candidate at Seton Hall University's School of Graduate Medical Education. She has a Masters degree in physical therapy, and an advanced masters degree in orthopedic physical therapy.

ABOUT OUR COMPANY

Mobility Research is a company of rehabilitation professionals dedicated to the transfer of the latest technology and research knowledge to the rehabilitation arena. We are a team of clinicians, researchers, educators, and engineers dedicated to providing products, education, and rehabilitation solutions for pediatric and adult populations with motor control related disabilities.