

## REGISTRATION

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License #		
Home Address		
City	State	Zip
Facility		
Daytime Phone		
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Primary treatment domain:	Adult	Peds
Visa or MasterCard		
Exp. Date	3 digit sec. code	
Course Location		
I am aware of the cancellation policy		
Signature X		

## TUITION

**\$165**

We accept check, Visa or MC.

Make Checks Payable to: Mobility Research  
 PO Box 3141  
 Tempe, AZ 85280  
 800-332-9255 ext. 7103  
[education@litegait.com](mailto:education@litegait.com)

\*Late registration begins 10 days prior to the scheduled date of the course. Registrations received less than 10 days prior to the course will be charged a \$30 late fee.

## CANCELLATION POLICY

*Cancellations received at least two weeks prior to a course will receive a 50% refund or a certificate to use for the full value for up to 2 years. **Cancellations received less than 2 weeks before a course will be issued a certificate only.***

\*Call for other courses, dates & locations

Education Department  
 PO BOX 3141  
 Tempe, AZ 85280  
 1-800-332-WALK  
[Litegait.com](http://Litegait.com)



Mobility Research Education Department is pleased to present:

# A Potion For Locomotion

Principles of Neuroplasticity,  
 Motor Learning and Gait Training.

Practical applications for real patients.

Presenter:  
 Kay Wing, PT, DPT

**August 14, 2010**  
 AristaCare Health Services  
 Whiting, NJ

*Eligible for .7 ceus or 7 contact hours*



## COURSE DESCRIPTION

This is a basic to intermediate course designed to present current concepts of weight bearing assisted gait training, neuroplasticity, motor learning, and principles of effective therapeutic exercise and teach how to apply them to patient treatment. Current therapeutic interventions that utilize these concepts are presented and analyzed as to their strengths and weaknesses. Objective tests and measurements for documentation and reimbursement are taught and practiced. This course facilitates integration of theory and current practice techniques and is a mixture of lecture, demonstration, discussion, videotape case presentations and hands-on practical work. At the end of this workshop therapists will have new skills, ideas and ample encouragement to apply these skills immediately to patient care.

## COURSE OBJECTIVES

Upon completion of this course participants will be able to:

- Identify principles and application of motor learning and motor control and how to integrate them into various aspects of gait training.
- Define principles and mechanisms of cortical reorganization
- Understand and use various treatment techniques utilizing weight bearing assistance
- Utilize the ability to evaluate the effectiveness of various treatment techniques that drive neuroplasticity including: weight bearing assisted treadmill training, forced use, and repetitive task practice
- Integrate the concepts discussed into patient treatment

## COURSE SCHEDULE

8:00	Registration
8:15	Neuroplasticity
9:00	Case Study
9:20	Gait training and body weight support: Background, evidence, rationale and application to patient care
10:00	Break
10:15	Gait training continued
10:40	Samples and Examples
11:15	Principles of motor learning and application to patient care
12:00	Lunch
12:45	Patient demonstration
1:15	Motor learning continued
1:45	Case study
2:15	Assessing gait and balance: Objective tests and measurements easily applied in the clinic
3:00	Break
3:15	Patient demonstration/case study
4:00	Summary, Q and A
4:30	End of Seminar

## ABOUT THE INSTRUCTOR

**Kay Wing, PT, DPT** received her doctorate of physical therapy from Northern Arizona University and her physical therapy degree at Northwestern University. She has specialty certifications in both neurological and geriatric physical therapy. Currently, Ms. Wing is owner of SWAN Rehab, a private practice specializing in the treatment of stroke and head injury survivors. In the clinic, she conducts research in techniques for improving the quality of life for stroke survivors and caregivers. Ms. Wing is an adjunct faculty member at Northern Arizona University and Arizona School of Health Science. She also teaches continuing education courses in Proprioceptive Neuromuscular Facilitation and Neurological Rehabilitation.

## 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.

The LiteGait is utilized during the patient demonstration, but this course is not intended to promote or train individuals to use this equipment. The course is a presentation based on the instructor's clinical experience and research on the topics of neuroplasticity, motor learning, and gait training.



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