Agenda

5:00 p.m.
Introduction: Jason B. Carmel, M.D., Ph.D.
Discussion of the causes of unilateral brain injuries and their neurological consequences on movement, sensation, and vision.

5:30 p.m.
Viewing of Demonstrations: 20 minutes each

Intensive Upper Extremity Program: Julie Knitter, O.T., and Ka Lai Kelly Au, O.T.
Description of Blythedale’s well-established 6-week program of combined uni-manual/constraint and bimanual training for children with hemiplegia.

Non-Invasive Brain Stimulation to Measure and Change the Brain: Kathleen Friel, Ph.D.
Demonstration of tools used to assess and modulate brain connections, including transcranial magnetic stimulation and transcranial direct current stimulation.

Robotic Therapy for Hemiplegia: Linda Monterroso, M.P.H.
Demonstration and discussion of robotic therapy used to improve arm and leg function in children with hemiplegia.

SNAP: The Scalable Neurological Assessment Platform: Jeremy Hill, Ph.D.
Demonstration of computerized measurement of eye and body movements combined with EEG to allow insight into behavioral recovery and brain repair.

6:50 p.m.
Discussion and Wrap Up

Advances in Pediatric Neurorehabilitation: Unilateral Brain Injuries and Associated Impairments
This course will present and demonstrate cutting-edge research strategies and therapies for children who have unilateral brain injuries. Therapists, physicians, researchers, and caregivers welcome.

Course Fee: $30
Register here: blythedale.ezregister.com
Or contact (914) 831-2510, or hemiclinic@blythedale.org
http://www.blythedale.org/hemiplegia-center-info

Continuing Education Credits for Therapists and Physicians
Advances in Pediatric Neurorehabilitation:
Unilateral Brain Injuries & Associated Impairments
A course for therapists, physicians, researchers and caregivers

Blythedale Children’s Hospital
95 Bradhurst Avenue
Valhalla, NY 10595
(914) 592-7555
www.blythedale.org

March 26, 2015
5:00 p.m. - 7:00 p.m.

Blythedale Children’s Hospital
95 Bradhurst Avenue
Valhalla, NY 10595

Course Instructors

Jason B. Carmel, M.D., Ph.D.
Director, Motor Recovery Lab
Burke

Kathleen M. Friel, Ph.D.
Director, CP Research Laboratory
Burke

Julie Knitter, O.T.R.
Director, Occupational Therapy
Blythedale Children’s Hospital

Ka Lai Kelly Au, O.T.R.
Occupational Therapy
Blythedale Children’s Hospital

Linda Monterroso, M.P.H.
Research
Blythedale Children’s Hospital

N. Jeremy Hill, Ph.D.
Instructor, Brain Computer Interfacing
Burke

More Information:

The Burke-Blythedale
Hemiplegia Center
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