LEARNING OUTCOMES
At the close of the course, participants will be able to:
1. Understand and state the early surgical evaluation of the child with a brachial plexus birth injury and how to coordinate with OT/PT
2. Understand and list the basic surgical techniques for a brachial plexus repair
3. Understand and state timing for intervention and results for different ages and lesions
4. Understand the importance of neonatal brachial plexus palsy patient’s expectations for timely and effective care
5. Identify the factors that influence patient/patient medical decision making process regarding neonatal brachial plexus palsy
6. Understand ways to improve patient care delivery based on neonatal brachial plexus palsy patient/patient’s perceptions
7. Understand the evidenced based practice behind the use of an exercise DVD for range of motion home program for neonatal brachial plexus palsy patients.
8. Compare the functional outcomes before and after receiving a home program in DVD format
9. Evaluate the effects of DVD format on parent preferences and perceptions regarding home programs.
10. Understand the process of producing a DVD format home exercise program.
11. Understand and state the implications for splinting and taping for the pediatric brachial plexus population
12. Understanding evaluation and application for splinting and taping in the pediatric brachial plexus population
13. Understand and list the differences between static and dynamic application of both splinting and taping methods
14. Discuss the role of the occupational or physical therapist is the acute post-op setting
15. Explain therapeutic intervention in the acute post-op setting
16. State home program protocols and recommendations for discharge home.

TARGET AUDIENCE AND COURSE OBJECTIVES
Our target audience includes occupational therapists, occupational therapy assistants, physical therapists and physical therapy assistants seeking an intermediate content level.

The objective of this course is to provide an up-to-date, evidence-based, and comprehensive review of all aspects of the management of a child with a brachial plexus birth injury. The course will include: didactic lectures, live and video case presentations, an overview of surgical techniques and results, and hands-on lab sessions.

Participants will learn: the anatomy of the shoulder and the brachial plexus, post-operative therapeutic strategies, evaluation and treatment techniques for infants and children, splinting strategies, constraint induced movement therapy, therapeutic taping, the use of neuromuscular electrical stimulation, aquatic therapy, effective home exercises, long-term outcomes of therapeutic intervention and effective videotaping techniques. After attending this course, participants will be able to evaluate and treat children of all ages with brachial plexus birth injuries. Participants will be provided with a course evaluation and asked to demonstrate the skills presented throughout the course.

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At the close of the course, participants will be able to:
1. Understand and state the early surgical evaluation of the child with a brachial plexus birth injury and how to coordinate with OT/PT
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### Course Schedule

#### Day 1: October 22nd, 2012

**Morning: Located in the Main Auditorium**
- 8:30 am - 9:00 am: Registration
- 9:00 am - 9:10 am: John A. I. Grossman, MD, FACS
  - Welcome and Tribute to Lorna Ramos
- 9:10 am - 9:40 am: Israel Alfonso, MD
  - Causes of Neonatal Brachial Palsy
- 9:40 am - 10:20 am: Christine Curtis, BScPT, MSC
  - Initial Therapy Evaluation
- 10:20 am - 10:50 am: John A. I. Grossman, MD, FACS
  - Diagnostic Evaluation of the Infant with a Brachial Plexus Birth Injury
- 10:50 am - 11:20 am: Andrew Price, MD
  - Functional Anatomy of the Shoulder and Elbow
- 11:20 am - 11:45 am: Questions & Discussion
- 11:45 am - 1:00 pm: Lunch Break

**Afternoon: Located in the Main Auditorium**
- 1:00 pm - 1:40 pm: John A. I. Grossman, MD, FACS
  - Primary Surgical Treatment and Results of Primary Surgery
- 1:40 pm - 1:55 pm: Rachel Sarshalom, MOT, OTR/L
  - Post-Operative Care After Primary Surgery
- 1:55 pm - 2:25 pm: Andrew Price, MD
  - Secondary Shoulder and Elbow Deformities - Management Techniques and Results
- 2:25 pm - 2:55 pm: John A. I. Grossman, MD, FACS
  - Management of Forearm and Hand Deformities
- 2:55 pm - 3:15 pm: Andrew Price, MD
  - Use of Botulinum Toxin
- 3:15 pm - 4:30 pm: Questions & Discussion
- 4:30 pm: Adjourn

#### Day 2: October 23rd, 2012

**Morning: Located in the Main Auditorium**
- 8:30 am - 9:00 am: Opening Remarks
- 9:00 am - 9:30 am: Alison Anthony, BScPT
  - Evaluation and Management of the Pediatric Shoulder in the Child with a Brachial Plexus Injury
- 9:30 am - 10:15 am: Virginia Nelson, MD, MPH
  - Rehabilitation Issues in Neonatal Brachial Plexus Palsy
- 10:15 am - 10:50 am: John A. I. Grossman, MD, FACS
  - Deficits in Elbow Position Sense in Neonatal Brachial Plexus Palsy
- 10:50 am - 11:20 am: Andrew Price, MD
  - Functional Anatomy of the Shoulder and Elbow
- 11:20 am - 11:45 am: Questions & Discussion
- 11:45 am - 1:00 pm: Lunch Break

**Afternoon: Located in the Main Auditorium**
- 1:00 pm - 1:40 pm: Rachel Sarshalom, MOT, OTR/L
  - Splinting and Taping Techniques
- 1:40 pm - 2:20 pm: Lauren Rosenbaum Simhon, MS, OTR/L
  - Constraint Induced Movement Therapy
- 2:20 pm - 3:00 pm: Allison Allgier, OTR/L
  - Swim for Life - Aquatic Therapy for Children with BPI
- 3:00 pm - 3:45 pm: Denise Justice, OTR/L
  - Use of a DVD Home Exercise Program for NBPP
- 3:45 pm - 4:45 pm: Questions & Discussion
- 4:45 pm: Adjourn

#### Day 3: October 24th, 2012

**Morning: Located in the Main Auditorium**
- 9:00 am - 9:15 am: Opening Remarks
- 9:15 am - 11:35 am: Five rotating hands-on lab sessions.
  - Each participant will have an opportunity to attend all sessions.

**Lab Topics:**
1. **Taping Techniques**
   - Rachel Sarshalom, MOT, OTR/L
2. **Neuromuscular Electrical Stimulation Techniques**
   - Joan Zell, MS, OTR/L, CHT
3. **Constraint Induced Movement Therapy**
   - Lauren Rosenbaum Simhon, MS, OTR/L
4. **Advanced Evaluation Techniques of the Infant**
   - Christine Curtis, BScPT, MSC
5. **Advanced Evaluation Techniques of the Child**
   - Alison Anthony, BScPT

**Afternoon: Located in the Main Auditorium**
- 1:00 pm - 1:40 pm: Rachel Sarshalom, MOT, OTR/L
  - Hands-on Lab on Splinting and Taping Techniques
- 1:40 pm - 2:20 pm: Lauren Rosenbaum Simhon, MS, OTR/L
  - Constraint Induced Movement Therapy
- 2:20 pm - 3:00 pm: Allison Allgier, OTR/L
  - Swim for Life - Aquatic Therapy for Children with BPI
- 3:00 pm - 3:45 pm: Denise Justice, OTR/L
  - Use of a DVD Home Exercise Program for NBPP
- 3:45 pm - 4:45 pm: Questions & Discussion
- 4:45 pm: Adjourn

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### Course Information

**Cost:** Free

**Registration:**
- MCH Employees register at MCHex
- Non-MCH register at: info@lornaramoscourse.com

**Location:**
- Miami Children’s Hospital
- Main Campus - Main Auditorium
- 3100 SW 62 Avenue,
- Miami, FL 33155
- Phone: (305) 666-6511

**Accommodations:**
Please inquire for special guest rates at nearby hotels at info@lornaramoscourse.com

**Breakfast and Lunch:**
- Will be provided at the course. Please advise us of any special dietary needs.

**CEU Credits Applied For:**
- AOTA 15.5 CEUs
- FPTA 20 CE Hours

**Course Organizer:**
- Rachel Sarshalom, MOT, OTR/L
  - rachel.whyte-sarshalom@mch.com

**Cancellation Policy:**
- Registration will close one week prior to the course on Monday, October 15, 2012.
- As there is no charge for the course there will be no penalties for cancellations however, you must notify the course organizer by October 15th at rachel.whyte-sarshalom@mch.com.

**Americans Disability Act Compliance:**
- Miami Children’s Hospital abides by all ADA rules and regulations and laws. We are a fully accessible institution. If a participant requires accommodations, please notify the course organizer at least 24 hours before the course at rachel.whyte-sarshalom@mch.com.