

# Cerebral Palsy and Gait Analysis Symposium

21-22 March 2012  
Rambam Health Care Campus  
Bat-Galim, Haifa, Israel



## Day 1

- 08.00-08.30 **Gathering and Refreshments**  
08.30-08.45 **Introduction**  
08.45-09.05 **Overview and assessment of normal Gait.** U.Narayanan  
09.05-09.15 **Normal gait analysis.** M.Zaidman  
09.15-09.45 **Common pediatric pathologies and Gait deviations.**  
A. Bhavé  
09.45-10.20 **Cerebral Palsy: An Introductory Overview**  
U. Narayanan  
a. **Update on the definitions and classification of CP**  
b. **Who is at risk for CP?Epidemiology and Ethiology of CP**  
c. **Pathophysiology and Natural history of CP**  
10.20-10.45 **Musculoskeletal assessment in the Ambulatory and Non  
-Ambulatory Child .** A.Bhave  
10.45-11.00 **Break**  
11.00-11.30 **Pathologic Gait patterns in CP(unilateral and bilateral).**  
U. Narayanan  
11.30-12.00 **Role of Physiotherapy,Casting and Botox A in  
management of CP.** A.Bhave  
12.00-12.30 **Role of Gait Analysis for Surgical Decision Making  
(observation vs. 2D and 3D).**U.Narayanan.  
12.30-13.00 **Principles of Orthopedic Management in CP.**  
U.Narayanan.  
13.00-14.00 **Lunch**  
14.00-14.20 **The Foot and Ankle pathology in CP.**  
U.Narayanan.  
14.20-14.40 **Lever Arm Disfunction.**A.Bhave  
14.40-15.05 **Management of the Knee and Crouch Gait in CP.**  
U. Narayanan  
15.00-15.25 **Management of the Hip in CP .**M.Eidelman  
15.25-15.45 **Gait consideration in Leg Length Difference.** A. Bhavé  
15.45-16.00 **Break**  
16.00-16.30 **Evidence based practice in Cerebral Palsy**  
A. Bhavé and U.Narayanan  
16.30-16.50 **Measuring outcomes in CP.** U.Narayanan

## Day 2

- Pediatric Orthopedic Workshops (A.Bhave)**  
08.00-08.30 **Overview of common pediatric pathologies for therapists  
(Lecture)**  
08.30-09.10 **Specific evaluation techniques in pediatric patient  
(Lecture, Lab)**  
09.10-09.40 **Joint vs. Muscle length evaluation for ROM deficits  
(Lecture, Lab)**  
09.40-10.00 **Discussion and Break**  
10.00-10.30 **Muscle tone considerations (Lecture)**  
10.30-11.15 **Leg length consideration clinical and x-rays (Lecture, Lab)**  
11.15-11.45 **Differential Diagnosis: Soft Tissue vs. Bony Deformities  
(Lecture)**  
11.45-12.15 **Soft tissue differential diagnosis (Video Demonstration)**  
12.15-12.30 **Discussions**  
12.30-13.30 **Lunch**

### Combined Section(pediatric orthopedic surgeons and PT)

- 13.30-14.10 **Observational Gait analysis and its role in planning  
therapy (Lecture, Lab)**  
14.10-14.30 **Use of Botox A and after care (Lecture)**  
14.30-14.50 **Role of static and Dynamic casting in management of  
joint contractures and post traumatic joint**  
14.50-15.10 **Stiffness ( Lecture and Video Demo)**  
15.10-15.30 **Role of walking braces and aids (Lecture)**  
15.30-16.10 **How to identify nerve problems and select treatment  
techniques (Lecture, Lab)**

## Day 2

- Pediatric Orthopedic Surgeons Section ( U.Narayanan)**  
08.00-09.00 **LCP Pediatric Hip plate Workshop (Synthes)**  
09.00-12.30 **Live Video Conference from OR :VDRO and Pelvic  
osteotomy**  
12.30-13.30 **Lunch**  
13.30-16.10 **Combined section.**  
**Adjourn**

### **International Faculty**

**Anil Bhavé** PT, Director of Gait Laboratory and Rehabilitation Center, RIAO, Sinai Hospital of Baltimore, USA.

**Unni Narayanan** MD, Pediatric Orthopedic Surgeon, Hospital for Sick Children, Associative Professor, University of Toronto, Canada.

### **Course Directors:**

**Osnat Argman** PT, Director of Physiotherapy Department, Rambam Health Care Campus, Haifa.

**Mark Eidelman** MD, Director of Pediatric Orthopedics, Meyer's Children Hospital, RHCC, Haifa.