

Master Techniques: Spinal Instrumentation, Osteotomies, and Management of The Growing Pediatric Spine

Date Tuesday October 6, 2026
Time 08:00 – 12:30
Venue Children's Cancer Hospital Egypt 57357

Learning Objectives

Upon completion of this activity, participants should be able to:

- Learn how to manage problems of the growing pediatric spine.
- Learn instrumentation and other fixation techniques from the occiput to the pelvis.
- Learn spinal osteotomies, bone grafting techniques and halo gravity traction.
- Learn to tailor the different techniques to the specific patient.

Course Directors

Dr. Richard Anderson

NewYork-Presbyterian Children's Hospital-Columbia and Cornell
New York, NY, USA

Dr. Mari Groves

University of Maryland Golisano Children's Hospital
Baltimore, MD, USA

Course Faculty

(alphabetically arranged)

Dr. Christopher Bonfield

Vanderbilt Children's Hospital
Nashville, TN, USA

Dr. Dominic Thompson

Great Ormond Street Hospital (GOSH)
London, England

Dr. Edwin Kulubya

Boston Children's Hospital
Boston, MA, USA

Dr. Guirish Solanki

The Birmingham Children's Hospital
Birmingham, England

Dr. Mohammed Alshareef

Children's Hospital Colorado
Aurora, CO, USA

Dr. Moise Danielpour

Cedars-Sinai Medical Center
Los Angeles, CA, USA

Dr. Ricardo Gepp

Sarah Network of Rehabilitation Hospitals
Federal District, Brazil

Course Program

07:30 08:00 Registration

08:00 09:15 **Session 1 – Master Techniques (Didactic)**

08:00	08:08	Screw Placement at the Craniovertebral Junction	D. Thompson
08:08	08:16	Screw Placement in the Sub-axial Spine	G. Solanki
08:16	08:24	Thoracic Pedicle Screws	E. Kulubya
08:24	08:32	Lumbar and Pelvic Screw Fixation	C. Bonfield
08:32	08:40	Bone Grafting Techniques and Options	M. Alshareef
08:40	08:48	Non Screw Fixation Techniques & Non-operative Management Options	R. Gepp
08:48	08:56	Spinal Osteotomies	M. Groves
08:56	09:04	Cervical and Thoracolumbar Traction	R. Anderson

09:15 09:30 **Coffee Break**

09:30 11:30 **Session 2 – Hands-on (Practical with Models)**

Participants spend 40 min at each table and rotate

09:30	10:10	CVJ & Cervical Spine Instrumentation: • Occipital Fixation • C1-C2 Fixation Techniques • Subaxial Instrumentation	G. Solanki R. Gepp D. Thompson
10:10	10:50	Thoracolumbar Spine Instrumentation & Pelvic Fixation: • Thoracic & Lumbar Pedicle Screw Fixation • Hooks & Sublaminar Options • S2-Al & Iliac Screws	M. Alshareef C. Bonfield M. Danielpour
10:50	11:30	Spinal Osteotomy Techniques: • Posterior Column Osteotomies • Pedicle Subtraction Osteotomies • Vertebral Column Resections	M. Groves E. Kulubya

11:30 12:30 **Session 3 – Case-based Discussion**

Group discussion with faculty presenting a variety of cases; participants will be encouraged to bring and present cases for discussion