


On line Program:
October 30th-November 29th

Live Training Program:
November 30th

2018

Personalized Education in Pediatric Anesthesia

 **SJD** Aula Pediatria

Comprehensive Anesthetic Management of the Child and Teenager with MPS

 **SJD**
Sant Joan de Déu
Barcelona - Hospital

Course director:

Dr. Ferran Manen Berga

Place:

Sala Darwin Edificio Docente
Hospital Universitari Sant Joan de Déu
Esplugues de Llobregat - Barcelona



UNIVERSITAT DE
BARCELONA

Hosted by:



Headquarters:
Aula de Pediatria

Passeig Sant Joan de Déu, 2
08950 Esplugues de Llobregat
Barcelona

Course objectives:

Improvement and standardization of the comprehensive anaesthetic management of the child and teenager with MPS during surgical interventions and in other situations requiring sedation.

Specifics objectives:

- To acquire general concepts on the clinical characteristics of the MPS, its clinical evolution and therapeutic management.
- To understand the respiratory and cardiac manifestations of this group of diseases.
- To learn a systematic pre-op evaluation more adapted for the specific characteristics of this type of patients.
- To acquire the necessary skills to perform specific vascular procedures (i.e., cannulation) and respiratory procedures (i.e., airway

management, assisted ventilation) in patients with MPS.

- To learn different modalities of anesthesia applied to patients with MPS.
- To understand the management of common hemodynamic and respiratory complications.
- To acquire strategies to provide post-anesthesia care adapted to patients with MPS.

Addressed to:

Anesthesiologists and pediatricians.

Educational methodology:

The course includes classroom training on relevant topics, combined with group discussions and workshops to improve practical skills. In addition, it incorporates high fidelity simulations to recreate scenes of high complexity anesthetic situations that exemplify real clinical situations.

Link for registration:

www.formacion.sjdhospitalbarcelona.org



ON LINE PROGRAM
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What is MPS?

Introduction to the disease. Genetics and characteristics.

Surgical procedures in MPS

Brief review of most frequent surgeries in MPS patients.

Airway Evaluation

Anatomy and evaluation of the airway.

Ask the cardiologist

Brief review of how the heart is affected in all its components.

Ask the pneumologist

Physiopathology and evaluation of the pulmonary function. Strategies for respiratory management.

Ask the radiologist

Review of most characteristic radiologic traits in MPS.

Perioperative hemodynamic management

How to face hemodynamic complications during surgery.

Perioperative respiratory management

Review of most frequent issues on respiratory management in the operating room.

Anaesthesia outside the Operating Room

Rules when facing a high-risk anaesthesia in a strange environment.

Other issues in MPS anaesthesia

Unintended hypothermia, fluid therapy, positioning, eye protection and parental presence at induction in MPS patients.

LIVE TRAINING PROGRAM
November 30th

9:00 Summary and questions on MPS.

PARTICIPANTS WILL BE DIVIDED IN THREE GROUPS:

WORKSHOP 1:

10:00 Difficult airway. Training with videolaryngoscope and fiberoptic intubation on MPS based mannequin.

WORKSHOP 2:

11:00 Central vascular access. Training in ultrasound central vascular cannulation. Tips and tricks.

WORKSHOP 3:

12:00 Non-Invasive Ventilation. Practice with devices used in NIV. When and how to use it.

13:00 Lunch

13:30 Latest news on MPS.

15:00 Introduction to Simulation.

16:00 Simulation. Case 1.

17:00 Simulation. Case 2.

18:00 Simulation. Case 3.

19:00 CONCLUSION.