

## **TRAINING PROGRAMME FOR JUNIOR ANAESTHESIA RESIDENTS**

### **Training objectives:**

Learn about the anatomical and physiological changes which take place during growth from neonate to a young child and its effects on anaesthesia.

The trainee should learn:

- To resuscitate the paediatric patient.
- Perioperative management; preoperative assessment and preparation anaesthetic management and postoperative care of paediatric patient
- Ambulatory anaesthesia
- Management of surgical emergencies in children. This includes stabilisation e.g. fluid resuscitation prior to induction.
- Regional Techniques: local and regional anaesthetic methods
- Acute Pain Management
- Neonatal physiology, pathophysiology and applied pharmacology. Special problems of the preterm and ex-prem baby.
- Paediatric medical and surgical problems including common syndromes and their implications for the anaesthetist.
- Principles of paediatric intensive care i.e. management of the common critical care problems; ventilatory and circulatory support.
- Safe transport for paediatric patients.
- Selection, management and monitoring of children for diagnostic and therapeutic procedures carried out under anaesthesia or sedation.
- Presentation skills by participating in teaching / CME sessions

### Training assessment:

Log book case-mix with report of cases done

By the end of the posting, the resident should be competent in:

1. Providing safe anaesthesia and post-anaesthesia care for infants and children undergoing routine surgical, diagnostic and therapeutic procedures.
2. Recognising when the clinical conditions of the patient or the proposed procedure requires skills, facilities or support beyond his own capability or institution.
3. Resuscitation for neonates, infants and children
4. Basic knowledge of acute pain management and critical perioperative care for neonates, infants and children.

## **TRAINING PROGRAMME FOR SENIOR ANAESTHESIA RESIDENTS**

### Paediatric Anaesthesia Training Module

#### Training objectives:

- Revision of the junior anaesthesia residency programme.
- Develop a Specialist's approach, an interest in continuing education, in teaching and acquiring teaching skills. The senior resident should develop a responsible attitude and commitment towards the training of junior staff.
- The resident should assist or participate in research projects in the department and help participate in teaching of medical students, nurses and junior residents.

#### Training assessment:

Log book case-mix with report of cases done.

## TRAINING PROGRAMME FOR FELLOWS

This training programme is formulated for anaesthetists from foreign countries who wish to increase their knowledge and skills in paediatric anaesthesia

### Duration

The fellowship programme is for one year duration.

### Entry Criteria

The candidate must:

- Have a postgraduate degree or its equivalent in anaesthesia
- Have a minimum of 3 years general anaesthesia experience
- Be competent in the English language and familiar with English medical terms

### Expected learning / learning objectives

On completion of the program, the Fellow will be able to:

- Provide safe anaesthesia care for infants and children undergoing routine surgical, diagnostic and therapeutic procedures
- Resuscitate neonates, infants and children
- Manage children on the acute pain service
- Provide critical peri-operative care for neonates, infants and children

## Teaching Programme

Learn about the anatomical and physiological changes which take place during growth from neonate to a young child and its effects on anaesthesia.

The Fellow should learn:

- To resuscitate the paediatric patient.
- Perioperative management; preoperative assessment and preparation anaesthetic management and postoperative care of paediatric patient
- Ambulatory anaesthesia
- Management of surgical emergencies in children. This includes stabilisation of the patient. e.g. fluid resuscitation prior to induction.
- Regional Techniques: local and regional anaesthetic methods
- Acute Pain Management
- Neonatal physiology, pathophysiology and applied pharmacology techniques. Special problems of the preterm and ex-premie baby
- Paediatric medical and surgical problems including common syndromes and their implications for the anaesthetist.
- Safe transport of paediatric patients.
- Selection, management and monitoring of children for diagnostic and therapeutic procedures carried out under anaesthesia or sedation.
- Presentation skills by participating in teaching sessions.

## Application procedure and forms

Type	Duration	SMC Registration required	Hands-on	TOEFL/ IETLS required
Observer	1 week – 2 months	No	No	Yes
Clinical	6 months – 1 year	Yes	Yes	Yes

Interested candidates are required to send a request in writing to  
 Dr Siow Yew Nam  
 Head, Department of Paediatric Anaesthesia  
 KK Women's and Children's Hospital  
 100 Bukit Timah Road  
 Singapore 229899

Supporting documents:

- Detailed Resume
- Application form from SMC if SMC registration is required.  
 Download form at this website:  
[http://www.smc.gov.sg/html/SMC\\_Home.html](http://www.smc.gov.sg/html/SMC_Home.html)