



St. John's Medical College

(A Unit of CBCI Society for Medical Education)

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Visiting Observership in the Dept. Pediatric Critical Care

Duration : 3 months, full time
Eligibility : MD Paediatrics

Course content for Visiting Observership

Curriculum

The Pediatric Critical Care Observation Program is designed to provide health care professionals and trainees from other academic institutions with an opportunity to advance their knowledge and skills under the guidance of well trained and experienced physicians in pediatric critical care medicine. The goal of this program is to provide observers with a current understanding of pediatric critical care through clinical interactions, meetings and lectures, and rounds. Each observation period will be a maximum 8 weeks.

AREAS OF FOCUS:

Cardiopulmonary Resuscitation and Advanced Life Support:

Understanding and practicing various modes of advanced life support and cardiopulmonary resuscitation techniques.

Respiratory Management:

Learning about mechanical ventilation, including different modes, ventilator settings, and troubleshooting, as well as non-invasive ventilation and other respiratory support modalities.

Specific topics-

ARDS

Asthma

Tracheostomy care

Patient ventilator Asynchrony

Cardiovascular Management:

Managing critically ill patients with cardiovascular issues, including monitoring, diagnosis, and treatment of various conditions like arrhythmias, hypotension, and shock.

Neurological Management:

Understanding the management of neurological emergencies, including seizures, coma, and traumatic brain injuries.

Specific topics-

Severe TBI, Acute meningoencephalitis, autoimmune encephalitis, Neurometabolic syndromes, Neuromuscular disorders

Infection Control:

Learning about infection control measures, including appropriate use of antibiotics and prevention of healthcare-associated infections.

Renal and Hepatic Failure:

Understanding the management of renal and hepatic failure, including continuous renal replacement therapy (CRRT) and other supportive measures.

Nutritional Support:

Learning about nutritional requirements and providing appropriate nutritional support to critically ill children.

Sedation and Analgesia:

Understanding the principles of pain management and sedation in the PICU setting.

Communication and Teamwork:

Developing effective communication skills with patients, families, and other healthcare professionals, and learning to function as part of a multidisciplinary team.


Dr. George A. D'Souza, MD, DNB
Dean

St. John's Medical College

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