



# CRITICARE 2010

10<sup>th</sup> - 14<sup>th</sup> Feb, 2010, HYDERABAD - INDIA



## **Pediatric Section : Criticare 2010 Conference – February 2010 Pre – Conference Pediatric Critical Care Workshop**

**February 11<sup>th</sup>, 2010 ( Thursday )**

**Organised & Conducted by : Lotus Children's Hospital  
Lakdikapul, Hyderabad – 500004.  
Tel # 040 – 40404444 / 40404400.**

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### **'Fluid & Hemodynamic Management in Pediatric Intensive Care'**

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#### ***Introduction :***

Welcome to the Pre-Conference Pediatric Critical Care Workshop of Criticare 2010 ! The theme of this workshop is on Fluid and Hemodynamic Management in Pediatric Intensive Care. The provision of advanced critical care for sick children is a challenging task with often multiple clinical problems which need to be addressed on a real time basis. Intravenous fluid therapy including fluid resuscitation for shock / dehydration is an integral component of treatment which requires constant monitoring, revision and fine tuning. In sharp contrast to the medical and surgical problems in the adult ICU patient population, the fluid management issues that pediatric intensivists face in their day to day work in the ICU is very different. The infant is different from the toddler, and the toddler is different from the older child and adolescent in terms of the disease spectra affecting them, as well as their fluid management.

#### ***Objective:***

This workshop has been specifically designed to allow delegates, pediatricians and pediatric intensivists or those dealing with critically ill children to understand fully, and in depth the physiological basis of fluid therapy in the pediatric age group in an ICU setting, assessment of intravascular fluid status, cardiovascular physiology in health and disease, and the fine science and art of manipulation of the

cardiovascular system with drug therapy to achieve tangible results and goals to perfuse the critically ill child optimally.

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***Format of the Workshop :***

Eminent faculty from India and abroad with a vast and varied expertise in Pediatric ICUs across the world and from India will enlighten delegates in the first half the day on basic physiological principles in fluid therapy, cardiovascular function and key issues that need addressing in day to day pediatric intensive care. Assessment of intravascular volume status, the knowledge of choosing the right inotrope or vasodilator at the right time, assessing response to therapy and the use of echocardiography as a vital and valuable bedside tool in the critically ill child will be imparted during the day long deliberations.

Clinical ( real life ) case scenarios follow allowing the delegates to directly interact with the faculty, followed by four workstations where pertinent components of fluid and hemodynamic management will be demonstrated and taught.

Finally the workshop will be completed with a simple questionnaire in MCQ format to assess if the delegates have understood the core principles of fluid management, cardiovascular function and hemodynamic management in Pediatric Intensive Care.

Prepared by :

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