

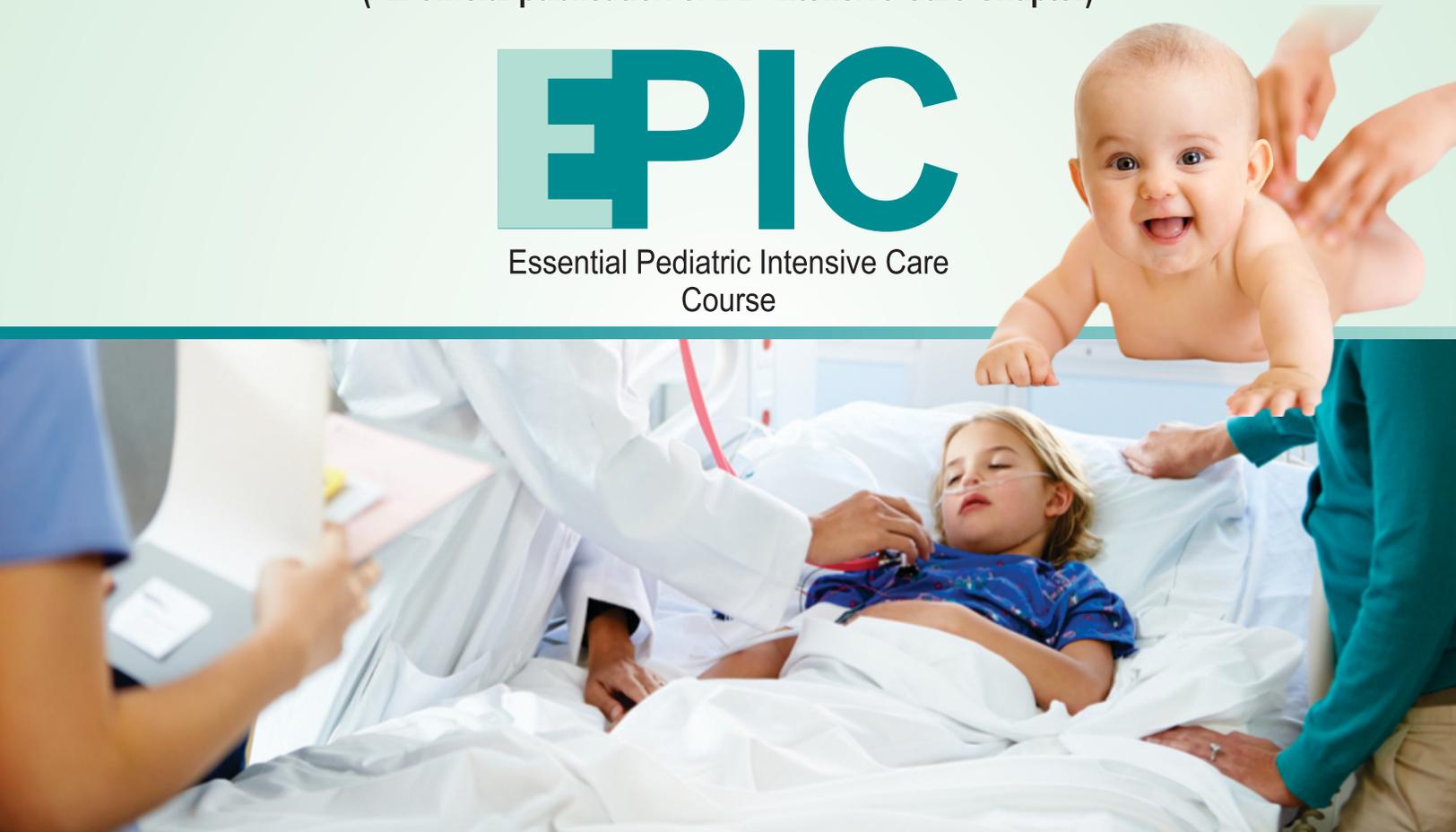


MANUAL OF ESSENTIAL PEDIATRIC INTENSIVE CARE COURSE

(An official publication of IAP Intensive Care Chapter)

EPIC

Essential Pediatric Intensive Care
Course



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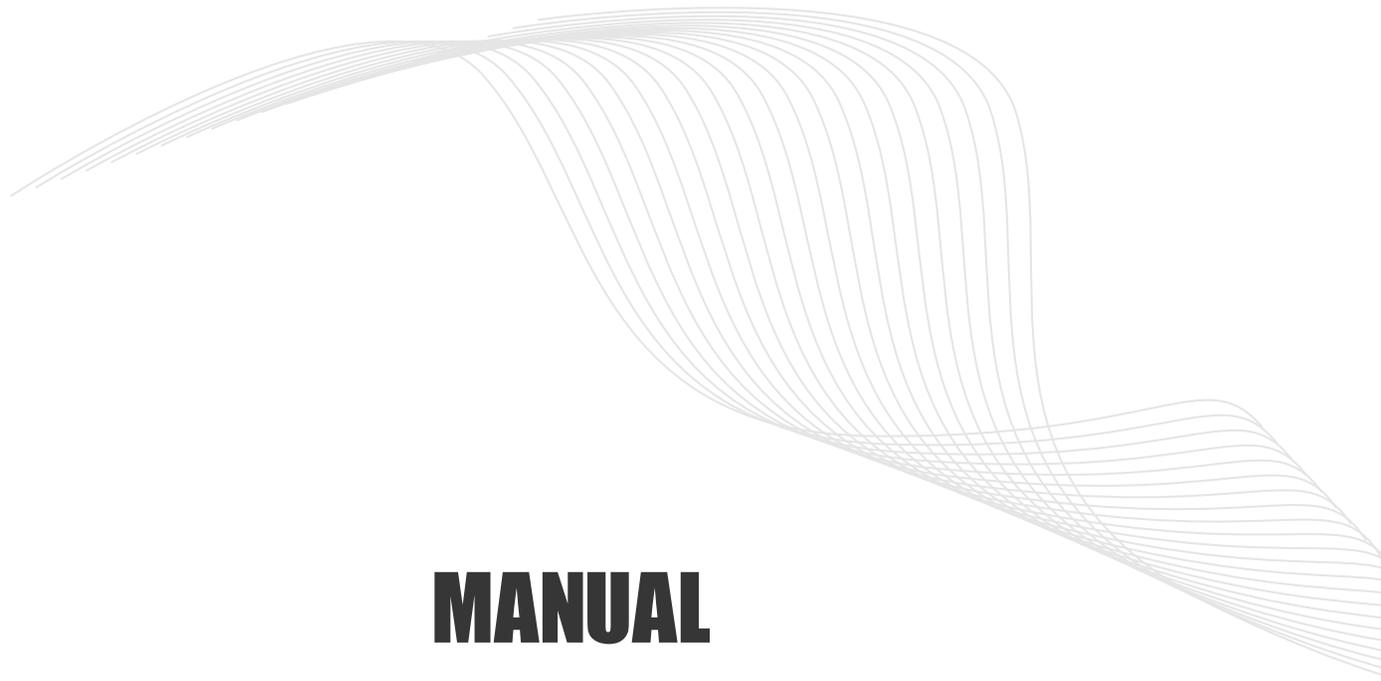
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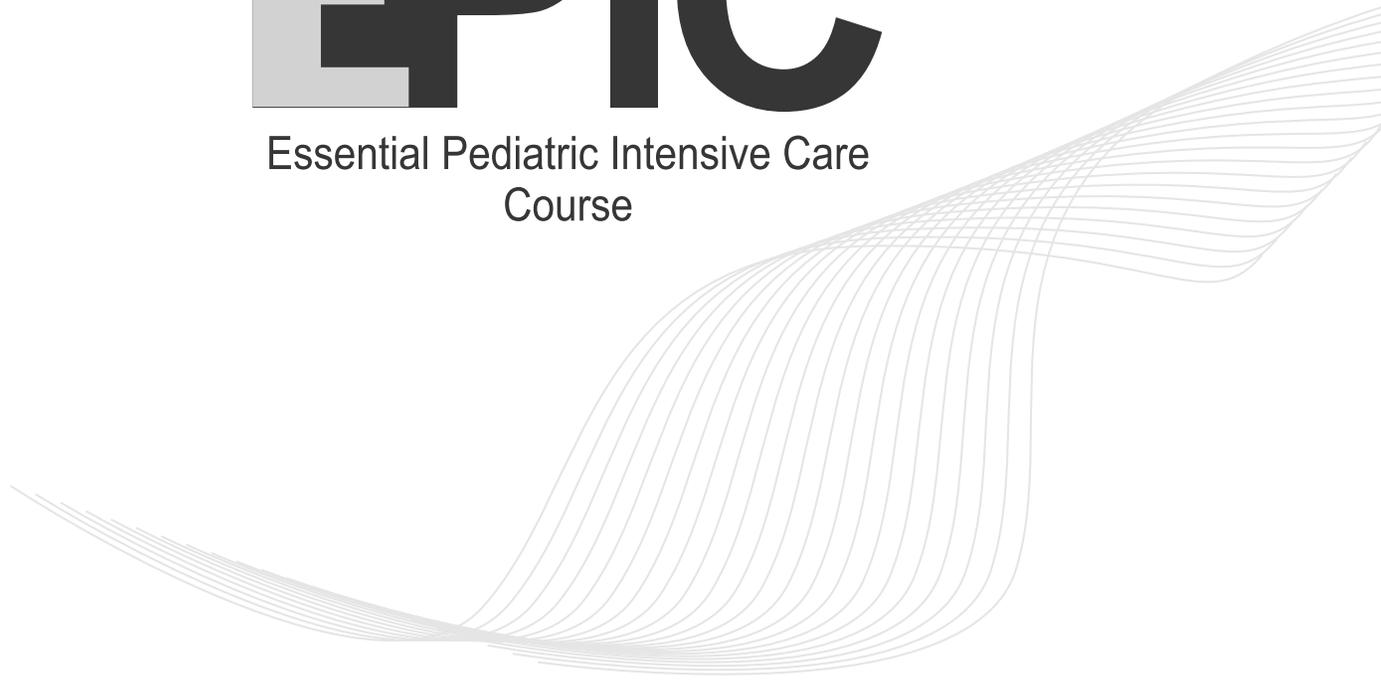


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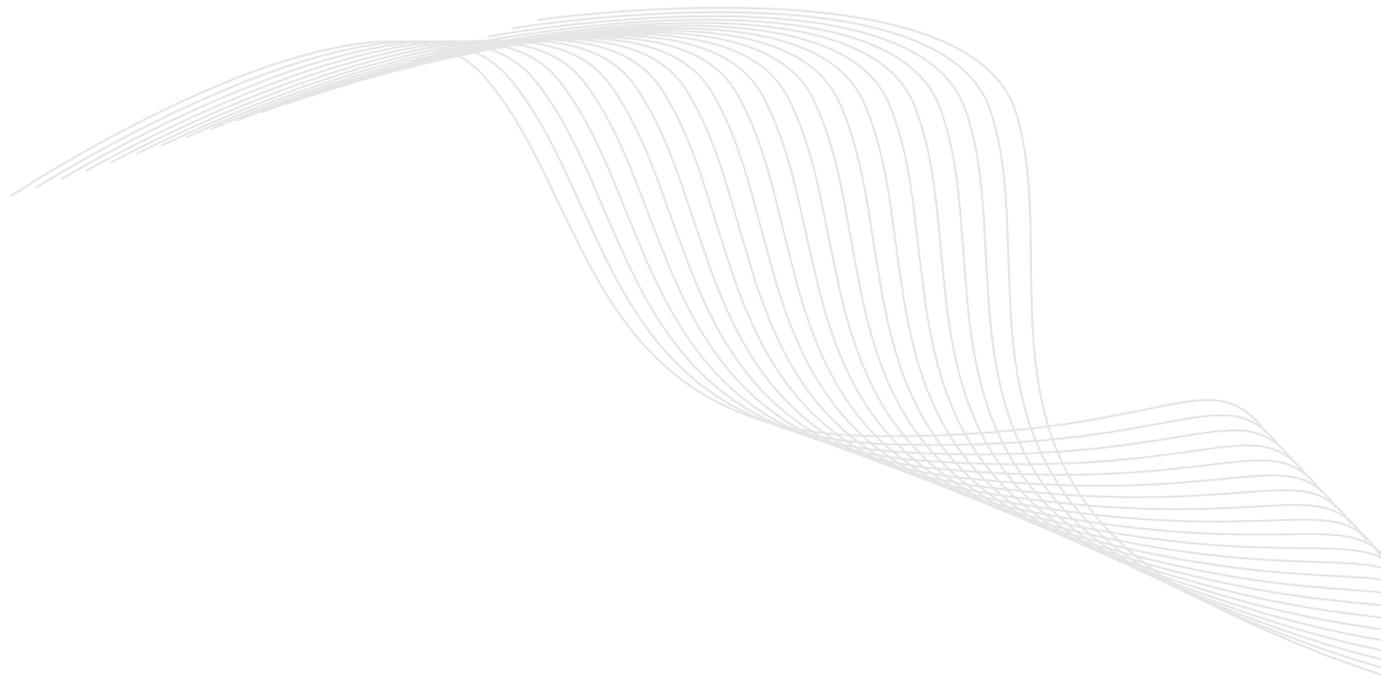
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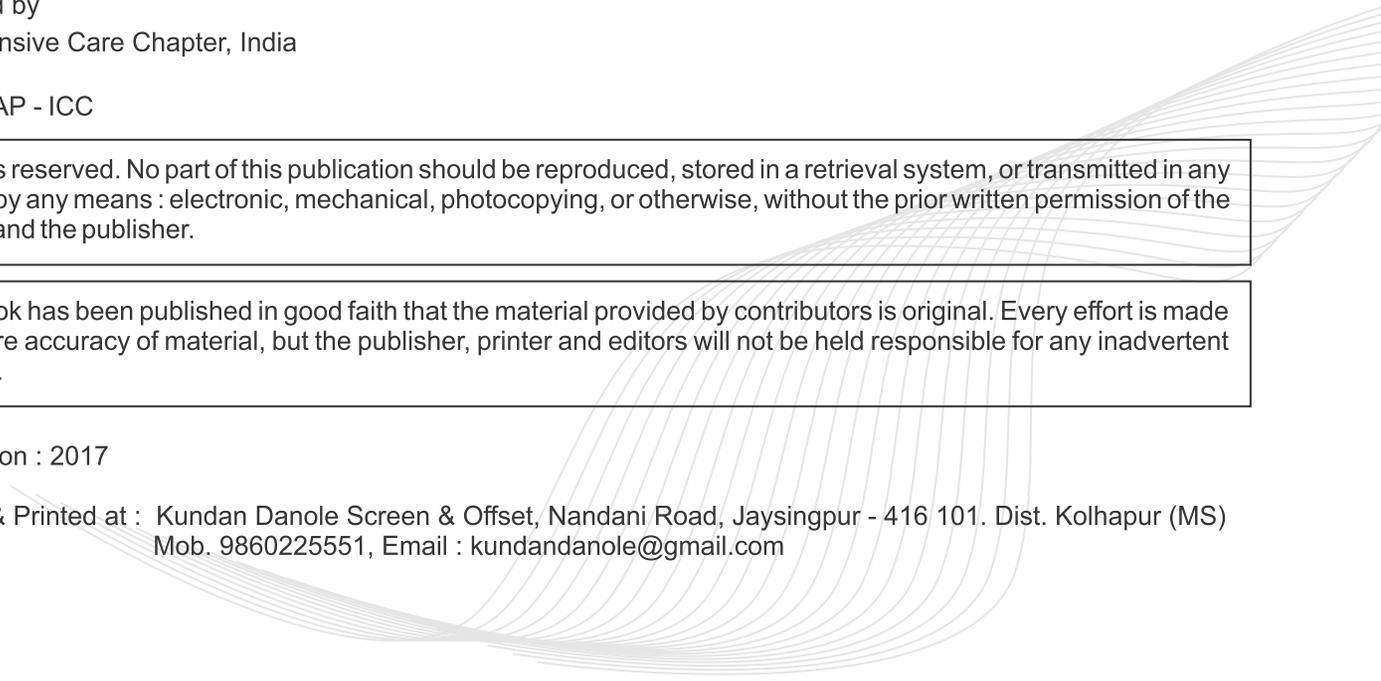
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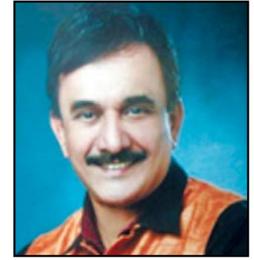
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FOREWORD

Critical care has proved to be one of the great successes of modern medicine. Thanks to this discipline today we are in a position to achieve life saving feats which would have been considered impossible in medical science few decades back.

In the early '90s, having just completed my post graduation, I was at a crossroads as to what subspecialty to pursue. Those days, pediatric and neonatal critical care were just beginning to make their appearance and my heart gravitated towards this new field. As there were only a handful of pediatric intensive care specialists in my entire state, I felt that this field would give me ample opportunities to explore and grow. Rather than reinvent the wheel, here was a field which tested my competence on a daily basis and let me try out new ideas and approaches. That our efforts had life saving impact was a greater point of satisfaction too. The passion has stayed with me to this day and I am grateful to Pediatric Intensive Care Chapter for giving me an outlet to share it with other like minded colleagues.

The ICU is a place where we are expected to deliver miracles. Not a day passes when we are not confronted with extraordinary challenges. As the famous doctor-author Atul Gawande says, "This is the reality of intensive care: at any point, we are as apt to harm as we are to heal." Talent is of the essence in a critical care facility. As intensivists, our clinical knowledge should be backed with sharp observation, perceptiveness, keen insight, shrewd decision making and other cognitive resources.

Since its inception PICC has been trying to mould intensivists in these faculties by regularly conducting workshops and training programmes, both at entry level and high end. Pediatricians who have undergone these courses have joined the ever-growing league of intensivists so essential in the modern healthcare set up. Essential Pediatric Intensive Care Course ToT, aptly titled 'EPIC', is one such course meant for transfer of knowledge and expertise to the grassroots. I wish to congratulate PICC national and Chandigarh units as well as the course national co-ordinator Dr Sanjay Ghorpade and local co-ordinator Dr Arun Barnawal on their well directed efforts.

I hope the continued efforts in this direction will result in the availability of quality intensive care services in every nook and corner of the country. I express my best wishes to all the course participants.

Dr. Santosh T. Soans

IAP President Elect 2017



FOREWORD

It gives me great pleasure to write this forward for Essential Pediatrics Intensive Care (EPIC) course which is aimed to ensure excellence in care to every critically ill child. Advances in medical science and evolution of Intensive Care over last few decades has made tremendous improvement in outcome of critically ill children and has brought down child mortality significantly in developed countries. In India the benefit of these advances are available only to a few who are able to access to an Intensive Care Unit in big cities. Many precious lives are lost because of non-availability of Intensive care units in adequate numbers. Till such time that there is an Intensive Care Unit bed available to every child in need, the only way to benefit every child is to encourage application and practice of critical and intensive care to every day management of sick children by every pediatrician, of course, within the available resources. However, this is not easy. Training and retraining every Pediatrician in essentials of Intensive care is one of the most cost effective ways.

Intensive Care chapter of Indian Academy of Pediatrics has taken a welcome initiative in designing a one day course, aptly called by acronym 'EPIC Course', to help every Pediatrician to adopt treatment practices in line with modern Critical Care. Every pediatrician may not be trained to be an intensivist, but EPIC course seeks to orient general Pediatrician in to principles and practice of essentials components of Intensive Care. The contents of the course have been chosen very carefully by a large group of experts, some young and some experienced. The course aims to train paediatricians in assessment and recognition of critically ill child, stabilization and transport, management of shock, management of encephalopathies and encephalitis, status epilepticus, acute severe asthma, pneumonia and bronchiolitis etc. through lecture and discussions, complemented by workstations on vascular access, interpretation of blood gases, Airway management and essentials of mechanical ventilation. I'm sure this course would be of great value to every pediatrician, to achieve excellence in delivery of Health-care to their patients and have greater work-satisfaction. The whole team of experts and Intensive Care chapter have worked hard over the last year and have gone through several pilot courses starting from first course in Patna in April, before finalising the course contents and training methods. I wish success in this endeavour for the greater good of our children.

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PREFACE

Dear all

Greetings from IAP Intensive Care Chapter!

EPIC COURSE (Essential Pediatric Intensive Care) is a most ambitious program developed by the IAP Intensive care chapter. With an intention of providing basic intensive care training and expertise to practicing Pediatricians, to provide much needed timely and appropriate care to sick children in the periphery; in smaller hospital set-up and nursing homes. The module covers common and important pediatric critical care problems and important skills, including basic ventilation.

A much needed course to save sick children

Large number of sick children require pediatric intensive care service across the country. But unfortunately, the availability of the intensive facilities is severely limited and limited to only handful of cities across the country, leaving sick children vulnerable. Limited facilities & only handful of trained pediatric intensivists are major limitations in providing intensive care care .

Pending easy availability of intensive care facilities across the country, especially in the periphery, EPIC COURSE is a step forward in realizing availability of basic intensive care to needy children.

Pediatricians with focused training in managing sick children will be able to save many seriously ill children in their respective geographic area/s. Our IAPians can save many precious lives & improve health of our children.

We are very confident, now through IAP & subsequently through the IAP Intensive care chapter, we will train Pediatricians from across the country and will make difference to the health of our children. Please take active part in this training program & train large number of paediatricians in your areas & make a difference.

With best wishes

Dr. Karunakara BP

Chairperson

Pediatric Intensive Care Chapter 2017

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