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Coming in March & April:
Proceedings from the 31st RESPIRATORY CARE Journal Conference on
Current Trends in Neonatal and Pediatric Respiratory Care

Guest Editors:
Carolyn M Kercsmar MD • Timothy R Myers RRT–NPS

Current Trends in Management of Pediatric Asthma
by Carolyn M Kercsmar MD

Systematic Review of the Management and Treatment of Respiratory Syncitial Virus
by Craig Patrick Black PhD RRT–NPS

Cystic Fibrosis: Current Trends in Respiratory Care
by Jeffrey S Wagener MD and Aree A Headley RRT

Respiratory Emergencies in Children
by Alexandre T Rotta MD and Budi Wiryawan MD

Update on Pediatric Acute Respiratory Distress Syndrome
by Michael R Anderson MD

Management of Respiratory Distress Syndrome: An Update
by Ricardo J Rodriguez MD

Neonatal Resuscitation
by Thomas E Wiswell MD

Extracorporeal Membrane Oxygenation for the Perinatal and Pediatric Patient
by Douglas R Hansell RRT

Diagnostics
by Stephanie D Davis MD

Pulse Oximetry in Infants and Children
by John W Salyer MBA RRT–NPS FAARC

Specialty Gases
by Timothy R Myers RRT–NPS

Invasive and Noninvasive Neonatal Mechanical Ventilation
by Steven M Donn MD and Sunil K Sinha MD PhD

Invasive and Noninvasive Pediatric Mechanical Ventilation
by Ira M Cheifetz MD FAARC
Sherry is active in the respiratory care profession, where she has served in numerous leadership roles, including president of the Lambda Beta Society. During her nearly 40 years of experience in the field of neonatal and pediatric respiratory care, Sherry has maintained an unyielding commitment to provide the highest level of care to this patient population, serving as both an educator to respiratory therapy students and clinicians and as an advocate for obtaining advanced specialty credentials in this unique area of respiratory care practice. A summary of the 2-day Journal Conference on Current Trends in Neonatal and Pediatric Respiratory Care is provided. Topics included: diagnosis and management of common respiratory disorders of infants and children such as asthma, respiratory syncytial virus bronchiolitis, and cystic fibrosis; and co... Abstract. A summary of the 2-day Journal Conference on Current Trends in Neonatal and Pediatric Respiratory Care is provided. Topics included: diagnosis and management of common respiratory disorders of infants and children such as asthma, respiratory syncytial virus bronchiolitis, and cystic fibrosis; and common pediatric respiratory emergencies such as croup, epiglottitis, and inhalation injuries. Pediatric Medicine. Neonatal Respiratory Diseases. Neonatal and Fetal Nutrition. Pediatric Ophthalmology. Neonatal Urology and Nephrology. 2nd Edition of Euro-Global Conference on Pediatrics and Neonatology 2019 Report: Magnus Group successfully completed 2nd Edition of Euro-Global Conference on Pediatrics and Neonatology (EPN 2019) during September 23-25, 2019 in London, UK based on theme of Discover the difference in Pediatrics & Neonatology for a better future. It aims to improve the care of children, neonates and adolescents by providing a platform to exchange and discuss on the major challenges and approaches to overcome the childhood problems. Organizing Committee EPN 2019: Irena Bralic from University of Split, Croatia. Pediatric acute respiratory distress syndrome (ARDS) remains an important challenge for the intensive care clinician. ARDS, which can result from either direct lung injury or from a downstream inflammatory process, is manifested by profound hypoxemia and respiratory failure. The care of pediatric ARDS is based on a meticulous, multidisciplinary, intensive care team approach. Michael R Anderson MD presented a version of this report at the 31st RESPIRATORY CARE Journal Conference, Current Trends in Neonatal and Pediatric Respiratory Care, August 16-18, 2002, in Keystone, Colorado. Correspondence: Michael R Anderson MD, Division of Pediatric Pharmacology and Critical Care, Rainbow Babies and Children's Hospital, Surgery Annual, Pediatric Blood and Cancer, Current Opinion in Pediatrics, Pediatric Critical Care Medicine, Journal of Pediatric Gastroenterology and Nutrition, Journal of Pediatric Psychology. Neonatal Anemia. In neonatal period anemia is a complex problem owing to the unique blood picture. The erythrocytic system undergoes serial adaptation to meet progressively changing demands of oxygen in the embryo, the fetus and neonate. This leads to rapid change in normal hematological change in post-birth period. Definition of anemia is difficult because as described earlier, several important facto