EDITORIALS

Health Care in America: An Error-Prone System in Need of a Fix
by Patrick J Dunne—Fullerton, California

ORIGINAL CONTRIBUTIONS

Missed Bronchodilator Medication Treatments in Respiratory Therapy: Frequency and Underlying Causes
by James K Stoller, Douglas K Orens, and Lucy Kester—Cleveland, Ohio

Assessing Need for Long-Term Oxygen Therapy: A Comparison of Conventional Evaluation and Measures of Ambulatory Oximetry Monitoring
by Kevin M Fussell, Dereje S Ayo, Paul Branca, Jeffrey T Rogers, Michael Rodriguez, and Richard W Light—Nashville, Tennessee

A Comparison of the OxyArm Oxygen Delivery Device and Standard Nasal Cannulae in Chronic Obstructive Pulmonary Disease Patients
by Timothy Dinesen—Toronto, Ontario, Canada
Lee McDonald, Sandy McDonald, and Donald DuVall—Barrie, Ontario, Canada

Performance Comparison of Two Oscillating Positive Expiratory Pressure Devices: Acapella Versus Flutter
by Teresa A Volks, Juliann M DiFiore, and Robert L Chatburn—Cleveland, Ohio

SPECIAL ARTICLES

Development of an Affordable Data Collection, Reporting, and Analysis System
by William R Howard—Boston, Massachusetts

PFT CORNER

Diagnosis of a Space-Occupying Lesion of the Lung by Pulmonary Function Tests
by Suzanne Redden, Deborah A Hunton, and David A Kaminsky—Burlington, Vermont

BOOKS, FILMS, TAPES, & SOFTWARE

Breathing Disorders in Sleep (McNicholas WT, Phillipson EA) reviewed by William J DePaso—Seattle, Washington

Sleep Apnea: Pathogenesis, Diagnosis, and Treatment (Pack AI, editor) reviewed by Noel T Johnson—Edmonds, Washington

Clinical Management of Chronic Obstructive Pulmonary Disease (Similowski T, Whitelaw WA, Derenne J-P, editors) reviewed by Joshua O Benditt—Seattle, Washington

Lung Disorders Sourcebook (Matthews DD, editor) reviewed by Teresa A Volks—Hudson, Ohio

Working in Health Care: What You Need to Know to Succeed (Drafke MW, editor) reviewed by Ehren Ngo—Loma Linda, California
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. RESPIRATORY CARE Journal Conference specific to infants and children was held over a decade ago in Cancun, Mexico in December 1990. The proceedings were published in the June and July 1991 issues of RESPIRATORY CARE, months after the inception of the National Board for Respiratory Care’s Neonatal/Pediatric Respiratory. The specialty of neonatal and pediatric respiratory care appears to have come full-circle over the past 12 years, since those landmark events in 1991. This and the next issue of the Journal provide the proceedings from the 31st RESPIRATORY CARE Journal Conference, Current Trends in Neonatal and Pediatric Respiratory Care, held in August 2002 in Keystone, Colorado. These special issues of this conference were based on the theme “Promoting the New Innovative Thoughts in Neonatal & Child Care Research” which included the following scientific tracks: Pediatrics, Pediatric Cardiology. We are glad to inform that all accepted abstracts for the conference have been published in Journal of Neonatal and Pediatric Medicine: Open Access, as a special issue. We are also obliged to various delegate experts, company representatives and other eminent personalities who supported the conference by facilitating active discussion forums.

SURFACTANT THERAPY IN NEONATAL CARE [Review Article]. Avery and Mead in 1959, commented on the deficiency of a surface active material in the alveolar linings of the lungs of preterm babies with Respiratory Distress Syndrome (RDS). This surface active material was later termed as Surfactant, more. These children attended the Allergy and Clinical Immunology Division of the Pediatric Dept of Rome University, because they were affected by respiratory allergy, previously diagnosed with family history, SPTs and IgE antibodies. As controls there were 300 children comparable for age and sex with no respiratory illness recruited from our outpatient clinic.
Stephanie D Davis 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: Stephanie D Davis MD, Department of Pediatrics, University of North Carolina at Chapel Hill, 635 Burnett Womack, CB#7220, Chapel Hill NC 27599-7220. E-mail: [email protected] RESPIRATORY CARE • APRIL 2003 VOL 48 NO 4 Neonatal and Pediatric Respiratory Care is one of the most important sections of the TMC Exam. That is why we put so much emphasis on that topic here on this website, in our products, and on our YouTube channel as well. And that is also why we’re providing these TMC Practice Questions for you because practicing with real-life practice questions is one of the most effective strategies for preparing for the exam.

RESPIRATORY CARE Journal Conference specific to infants and children was held over a decade ago in Cancu´n, Mexico in December 1990. The proceedings were published in the June and July 1991 issues of RESPIRATORY CARE. The specialty of neonatal and pediatric respiratory care appears to have come full-circle over the past 12 years. Since those landmark events in 1991. This and the next issue of the Journal provide the proceedings from the 31st RESPIRATORY CARE Journal Conference, Current Trends in Neonatal and Pediatric Respiratory Care, held in August, 2002 in Keystone, Colorado. These special issues of Caring for kids, babies, neonates, pediatrics, etc. is part of the job of a Respiratory Therapist. This board is loaded with materials that can help ease the learning process for students who are interested in this field. Neonatal & Pediatric Mechanical Ventilation (Study Guide). The procedure for initiating Mechanical Ventilation in neonates and infants is different than adults. This guide provides an overview of the basics.