

CONTENTS

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AARC Government Affairs Office
Director of Govt Affairs
Jill Eicher
1225 King St, Second Floor
Alexandria VA 22314
(703) 548-8538 Fax (703) 548-8499
eicher@aarc.org

Director of State Govt Affairs
Cheryl West MHA
8630 Braeswood Pt. #2
Colorado Springs, CO 80920
(719) 535-9970 west@aarc.org

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EDITORIALS

Health Care in America: An Error-Prone System in Need of a Fix
by Patrick J Dunne—Fullerton, California **108**

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 **110**

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 **115**

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* **120**

Performance Comparison of Two Oscillating Positive Expiratory Pressure Devices: Acapella Versus Flutter
by Teresa A Volsko, Juliann M DiFiore, and Robert L Chatburn—Cleveland, Ohio **124**

SPECIAL ARTICLES

Development of an Affordable Data Collection, Reporting, and Analysis System
by William R Howard—Boston, Massachusetts **131**

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 **138**

BOOKS, FILMS, TAPES, & SOFTWARE

Breathing Disorders in Sleep (McNicholas WT, Phillipson EA)
reviewed by William J DePaso—Seattle, Washington **142**

Sleep Apnea: Pathogenesis, Diagnosis, and Treatment (Pack AI, editor)
reviewed by Noel T Johnson—Edmonds, Washington **142**

Clinical Management of Chronic Obstructive Pulmonary Disease (Similowski T, Whitelaw WA, Derenne J-P, editors)
reviewed by Joshua O Benditt—Seattle, Washington **143**

Lung Disorders Sourcebook (Matthews DD, editor)
reviewed by Teresa A Volsko—Hudson, Ohio **144**

Working in Health Care: What You Need to Know to Succeed (Drafke MW, editor)
reviewed by Ehren Ngo—Loma Linda, California **145**

ALSO IN THIS ISSUE

157 AARC Membership
Application

88 Abstracts from
Other Journals

160 Advertisers Index
& Help Lines

160 Author
Index

157 Call for OPEN
FORUM Abstracts

159 Calendar
of Events

153 Manuscript
Preparation Guide

150 New Products

148 Notices

**RESPIRATORY
CARE**

A Monthly Science Journal
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The Official Journal of the
American Association for
Respiratory Care



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 Kercksmar MD • Timothy R Myers RRT-NPS

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by Carolyn M Kercksmar MD

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by Craig Patrick Black PhD RRT-NPS

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by Jeffrey S Wagener MD and Aree A Headley RRT

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**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

Experience with iNO in paediatric intensive care is more limited than in the neonatal critical care setting. Only one clinical trial tested iNO for adult and paediatric acute respiratory distress syndrome (ARDS), showing a transient improvement in oxygenation with no effect on mortality 49. A larger paediatric experience with iNO comes from the perioperative care of congenital heart diseases, including numerous anecdotal reports 45. Current evidence does not support the use cromolyn in pre-term neonates for BPD prevention 82. Clara cell secretory protein. Inhaled nitric oxide in neonatal and pediatric acute respiratory distress syndrome: dose response, prolonged inhalation and weaning. Crit Care Med 1996; 24: 1913-1919. [OpenUrl CrossRef PubMed Web of Science](#). Topics included: diagnosis and management of common respiratory disorders of infants and children such as asthma, respiratory syncytia. Abstract/OtherAbstract: 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. Also discussed were developments in diagnostic and therapeutic modalities, including pulmonary function testing and pulse oximetry.