CONTENTS
APRIL 2013 / VOLUME 58 / NUMBER 4

EDITOR’S COMMENTARY
Commentary on the April 2013 Issue

EDITOR’S CHOICE
Contemporary Ventilator Management in Patients With and at Risk of ALI/ARDS
by Steven Y Chang—Newark, New Jersey
Osama Dabbagh—Columbia, Missouri
Ogpen Gajic—Rochester, Minnesota
Ameen Pathawalla—Newark, New Jersey
Marie-Carmelle Elie—Gainesville, Florida
Daniel S Talmon, Neil Malhotra—Boston, Massachusetts
Adebola Adesanya—Dallas, Texas
Harry L Anderson III, James M Blum, Pauline K Park—Ann Arbor, Michigan
and Michelle Ng Gong—Bronx, New York

ORIGINAL RESEARCH
Effect of High-Flow Nasal Cannula and Body Position on End-Expiratory Lung Volume: A Cohort Study Using Electrical Impedance Tomography
by Jordi Riera, Purificación Pérez, Jordi Cortés, Oriol Roca, Joan Ramon Masclans, and Jordi Rello—Barcelona, Spain

High-Flow Nasal Cannula Therapy in Do-Not-Intubate Patients With Hypoxemic Respiratory Distress
by Steve G Peters, Steven R Holts, and Peter C Gay—Rochester, Minnesota

In-patient Rehabilitation Outcomes Following Lower Extremity Fracture in Patients with Pneumonia
by Ijaz Ahmed, James E Graham, Amol M Karmarkar—Galveston, Texas
Carl V Granger—Buffalo, New York
and Kenneth J Ottenbacher—Galveston, Texas

Effect of Visualization of Raw Graphic Polysomnography Data With Sleep Apnea Patients on Adherence to CPAP Therapy
by Rashid Nadeem, Muhammad A Rishi, Lavanya Srinivasan, Ahmet S Copur, and Jawed Naseem—North Chicago, Illinois

High-Resolution Computed Tomography in Assessment of Patients With Emphysema
by Jeng-Shing Wang—Pingtung, Taiwan
Jaw-Ming Cherng—Taichung, Taiwan
Daw-Shyong Perng—Kaohsiung, Taiwan
Hong-Shen Lee—Tai Chung, Taiwan
and Sophie Wang—Vancouver, British Columbia, Canada

Tidal Volume Delivery From ICU Ventilators at BTPS Conditions: A Bench Study
by Paul Duchateau—Lille, France
and Claude Guérin—Lyon, France

Optoelectronic Vital Capacity Measurement for Restrictive Diseases
by Julien Boudarham, Didier Pradon, Hélène Prigent, Isabelle Vaugier, Frédéric Barbot, Nadège Letilly, Line Falaize, David Orlikowski—Garches, France
Michel Petitjean—Nanterre, France
and Frédéric Lofaso—Garches, France

Etomidate, Adrenal Function, and Mortality in Critically Ill Patients
by Jacob E Sunshine, Steven Deem, Noel S Weiss, N David Yanez, Stephen Daniel—Seattle, Washington
Katherine Keech—St Louis, Missouri
Marcia Brown, and Miriam M Treggiari—Seattle, Washington

Active Humidification With Boussignac CPAP: In Vitro Study of a New Method
by José M Alonso-Iñigo, Amadeo Almela—Valencia, Spain
AlejandroAlbert, José M Carratalá—Alicante, Spain
and María J Fas—Valencia, Spain

Prognostic Value of Plasma Human ß-Defensin 2 Level on Short-Term Clinical Outcomes in Patients With Community-Acquired Pneumonia: A Preliminary Study
by Song Liu, Li-Rong He, Wei Wang, Gui-Hua Wang, and Zheng-Yi He—Beijing, People’s Republic of China
An Implementation Protocol for Noninvasive Ventilation Prescription: The Physiotherapist’s Role in an Italian Hospital
by Carla Simonelli, Mara Paneroni, and Michele Vitacca—Brescia, Italy

Trend Analysis of Hospital Resource Utilization for Prolonged Mechanical Ventilation Patients in Taiwan: A Population-Based Study
by Tien-Chiung Hung, Yung-Fu Lai, Ching-Wen Tseng, Yong-Han Hong, and Hon-Yi Shi—Kaohsiung City, Taiwan, Republic of China

Impact of Taiwan’s Integrated Prospective Payment Program on Prolonged Mechanical Ventilation: A 6-Year Nationwide Study
by Chih-Jung Liu, Chia-Chen Chu, Wei Chen, Wei-Erh Cheng, Chuen-Ming Shih—Taichung, Taiwan
Yuh-Shou Tsai—Jhongli, Taiwan
Chih-Hsin Mau, and Pei-Chun Chen—Taichung, Taiwan

Efficacy and Safety of Conventional Transbronchial Needle Aspiration in Sarcoidosis: A Systematic Review and Meta-analysis
by Ritesh Agarwal, Ashutosh N Aggarwal, and Dheeraj Gupta—Chandigarh, India

REVIEWS

Coexistence of Bronchiectasis and Rheumatoid Arthritis: Revisited
by Maria M Wilczynska—Llanelli, United Kingdom
Alison M Condliffe—Cambridge, United Kingdom
and Damian J McKeon—Bangor, United Kingdom

Respiratory Care Year in Review 2012: Invasive Mechanical Ventilation, Noninvasive Ventilation, and Cystic Fibrosis
Richard H Kallet—San Francisco, California
Teresa A Volsko—Akron, Ohio
and Dean R Hess—Boston, Massachusetts

EDITORIALS

Mechanical Ventilation of Patients With and Without ARDS: How Far Have We Come?
by Robert P Dickson—Ann Arbor, Michigan

A Fresh Look at the Physiologic Effects of High-Flow Nasal Cannulae and the Role They Play in Patient Care
by Richard B Wettstein—San Antonio, Texas

PUBLISHED ONLINE (WWW.RCJOURNAL.COM)

Case Reports

Aspiration of a Cigarette Filter From a Bronchodilator Inhaler
by Aykut Elıçora, Şerife Tuba Liman, Tuğba Ağı, Tülay Hoşen, and Salih Topçu—Kocaeli, Turkey

Helium-Oxygen Mixture to Facilitate Ventilation in Patients With Bronchiolitis Obliterans Syndrome After Lung Transplantation
by Stephen Kirkby, Michael Robertson, Laura Evans, Thomas J Preston, Joseph D Tobias, Mark E Galantowitz, Christopher T McKee, and Don Hayes Jr—Columbus, Ohio

Teaching Cases

Severe Cavitary Pneumonia Caused by a Non-equ Ribococcus Species in an Immunocompetent Patient
by Stephanie Ng—El Paso, Texas
Christopher S King—Fort Belvoir, Virginia
Jun Hang, Robert Clifford, Emil P Lesho, Robert A Kuschner—Silver Spring, Maryland
E Darrin Cox, Rosacea Stelsel, and Rapal Mody—El Paso, Texas

Corrections

Corrected grant number in “Benefits of pulmonary rehabilitation in idiopathic pulmonary ribrosis” [Respir Care 2011 56(6):783-789; doi:10.4187/respcare.00939]

Corrected description of ventilator capability in “A rational framework for selecting modes of ventilation” [Respir Care 2013 58(2):348-366; doi:10.4187/respcare.01839]

Corrected naming of MicroRNAs in “MicroRNA expression profile in hyperoxia-exposed newborn mice during the development of bronchopulmonary dysplasia” [Respir Care 2011 56(7):1009-1015; doi:10.4187/respcare.01032]