EDITORIALS

The Inspiratory Flow-Volume Curve: The Neglected Child of Pulmonary Diagnostics
by Gregg L Ruppel—St Louis, Missouri

Conditioning Inspired Gases: The Search for Relevant Physiologic End Points
by Richard D Branson—Cincinnati, Ohio

Prediction Equations to Determine Caloric Requirements in Critically Ill Patients
by Charles D McArthur—Mankato, Minnesota

Getting Back to the Basics: Administering Inhaled Bronchodilators
by Gene L Colice—Washington, D.C.

Evaluating the Evidence for Airway-Clearance Therapy in Cystic Fibrosis
by Michael S Schechter—Atlanta, Georgia

ORIGINAL RESEARCH

Inspiratory Flow-Volume Curve Evaluation for Detecting Upper Airway Disease
by James B Sterner, Michael J Morris, Joshua M Sill, and Jackie A Hayes—Fort Sam Houston, Texas

Clinical and Lung-Function Variables Associated With Vocal Cord Dysfunction
by Maura A Watson, Christopher S King, Aaron B Holley, David L Greenburg, and Jeffrey A Mikita—Washington, D.C.

Detection of Upper Airway Obstruction With Spirometry Results and the Flow-Volume Loop: A Comparison of Quantitative and Visual Inspection Criteria
by Ariel M Modrykamien, Ravindra Gudavalli, Kevin McCarthy, Xiaobo Liu, and James K Stoller—Cleveland, Ohio

Y-Piece Temperature and Humidification During Mechanical Ventilation
by Mario Solomita, Feroza Daroowalla, Deniese S LeBlanc, and Gerald C Smaldone—Stony Brook, New York

Comparison of Measured Versus Predicted Energy Requirements in Critically Ill Cancer Patients
by Arash Pirat, Anne M Tucker, Kim A Taylor, Rashida Jinnah, Clarence G Finch, Todd D Canada, and Joseph L Nates—Houston, Texas

A Comparison of Respiratory Care Workload With 2 Different Nebulizers
by Edward R Hoisington, Robert L Chatburn, and James K Stoller—Cleveland, Ohio

Bacterial Colonization of Respiratory Therapists’ Pens in the Intensive Care Unit
by David F Wolfe, Scott Sinnett, James L Vossler, Josephine Zrippa, and Brenda G Engbreton—Syracuse, New York

Optimum Design Parameters for a Therapist-Constructed Positive-Expiratory-Pressure Therapy Bottle Device
by Régis Gemerasca Mestriner, Rafael Oliveira Fernandes, Luis Carlos Steffen,
and Márcio Vinícius Fagundes Donadio—Porto Alegre, Rio Grande do Sul, Brasil

**Review Article**

Predictive Equations for Energy Needs for the Critically Ill

by Renee N Walker—Houston, Texas
and Roschelle A Heuberger—Mt Pleasant, Michigan

**Special Article**

Cystic Fibrosis Pulmonary Guidelines: Airway Clearance Therapies

by Patrick A Flume—Charleston, South Carolina
Karen A Robinson—Baltimore, Maryland
Brian P O’Sullivan—Worcester, Massachusetts
Jonathan D Finder—Pittsburgh, Pennsylvania
Robert L Vender—Hershey, Pennsylvania
Donna-Beth Willey-Courand—San Antonio, Texas
Terry B White, and Bruce C Marshall—Bethesda, Maryland

**Case Report**

Diagnosis and Management of Post-traumatic Pulmonary Pseudocyst

by Rasih Yazkan, Berkant Ozpolat, and Şahin Şahınalp—Ankara, Turkey

**Teaching Case of the Month**

Revisiting an Old Therapy for Tuberculosis

by Don Hayes Jr—Lexington, Kentucky
Keith C Meyer—Madison, Wisconsin
and Hubert O Ballard—Lexington, Kentucky

**Books, Software, & Other Media**

reviewed by Jonathan R McDonagh—Soldotna, Alaska and Seattle, Washington

Egan’s Fundamentals of Respiratory Care, 9th edition (Wilkins RL, Stoller JK, Kacmarek RM)
reviewed by Fred M Goglia—Seattle, Washington

Workbook for Egan’s Fundamentals of Respiratory Care, 9th edition (Wilkins RL, Wehrman S)
reviewed by Scott J Mahoney—Seattle, Washington

Emergencies in Critical Care (Beed M, Sherman R, Mahajan R, editors)
reviewed by Edgar R Hockmann—Toronto, Ontario, Canada