

CONTENTS

MARCH 2008 / VOLUME 53 / NUMBER 3

FOR INFORMATION, CONTACT:

AARC Membership or Other AARC Services

American Association for
Respiratory Care
9425 N MacArthur Blvd, Suite 100
Irving, TX 75063-4706
(972) 243-2272 • Fax (972) 484-2720
<http://www.aarc.org>

Therapist Registration or Technician Certification

National Board for
Respiratory Care
8310 Nieman Rd
Lenexa KS 66214
(913) 599-4200 • Fax (913) 541-0156
<http://www.nbrcc.org>

Accreditation of Education Programs

Committee on Accreditation for
Respiratory Care
1248 Harwood Rd
Bedford TX 76021-4244
(817) 283-2835 • Fax (817) 354-8519
<http://www.coarc.com>

Grants, Scholarships, Community Projects

American Respiratory
Care Foundation
9425 N MacArthur Blvd, Suite 100
Irving, TX 75063-4706
(972) 243-2272 • Fax (972) 484-2720

RESPIRATORY CARE

RESPIRATORY CARE (ISSN 0020-1324, USPS 0489-190) is published monthly by Daedalus Enterprises Inc, at 9425 N MacArthur Blvd., Suite 100, Irving, TX 75063-4706, for the American Association for Respiratory Care. One volume is published per year beginning each January. Individual subscription rates are \$89 per year in the US; \$109 in all other countries (for airmail, add \$94).

The contents of the Journal are indexed in *Index Medicus*/MEDLINE, Science Citation Index Expanded, Journal Citation Reports/Science Edition, Current Contents®/Clinical Medicine, Hospital and Health Administration Index, Cumulative Index to Nursing and Allied Health Literature, EMBASE/Excerpta Medica, and RNDex Library Edition. Abridged versions of RESPIRATORY CARE are also published in Italian and Japanese, with permission from Daedalus Enterprises Inc.

Periodicals postage paid at Dallas TX and at additional mailing offices. POSTMASTER: Send address changes to RESPIRATORY CARE, Membership Office, Daedalus Enterprises Inc, 9425 N MacArthur Blvd, Irving, TX 75063-4706

© Printed on acid-free paper.
Printed in the United States of America
Copyright © 2008 by Daedalus Enterprises Inc.

EDITORIALS

- Change in Editor. Some Things Change: Many Things Remain the Same
by Dean R Hess—Boston, Massachusetts 308
- The Value of Conducting Laboratory Investigations on
Airway Clearance Devices
by Teresa A Volsko—Youngstown, Ohio 311
- Back to the Future: Using Inhalers Correctly
by Bernard J Roth—Tacoma, Washington 314

ORIGINAL CONTRIBUTIONS

- Performance Analysis of the Flutter VRP1 Under Different Flows and Angles
by Luiz Antonio Alves, Fábio Pitta, and Antonio Fernando Brunetto—Londrina, Brazil 316
- Handling of Inhaler Devices in Actual Pulmonary Practice:
Metered-Dose Inhaler Versus Dry Powder Inhalers
by Basheer Y Khassawneh, Musa K Al-Ali, Karem H Alzoubi, Morad Z Batarseh, Saafan A Al-Safi—Irbid, Jordan, Abdelmonem M Sharara—Amman, Jordan, and Hatem M Alnasr—Irbid, Jordan 325
- Evaluation of the User Interface Simplicity in the Modern Generation
of Mechanical Ventilators
by Yoshihiro Uzawa—Chiba, Japan, Yoshitsugu Yamada—Tokyo, Japan, and Masayuki Suzukawa—Tochigi-ken, Japan 329
- The Conversion to Metered-Dose Inhaler With Valved Holding Chamber
to Administer Inhaled Albuterol: A Pediatric Hospital Experience
by John W Salyer, Robert M DiBlasi, Dave N Crotwell, Charles A Cowan, and Edward R Carter—Seattle, Washington 338

CASE REPORTS

- Interdisciplinary Approach to the Rehabilitation of an 18-Year-Old Patient
With Bronchopulmonary Dysplasia, Using Telerehabilitation Technology
by S Gregory Marshall, Donald K Shaw, Grace L Honles—San Marcos, Texas, and Kenneth E Sparks—Cleveland, Ohio 346
- Spontaneous Recovery in Idiopathic Unilateral Diaphragmatic Paralysis
by Tarek A Dernaika, Walid G Younis, and Paul V Carlile—Oklahoma City, Oklahoma 351

SPECIAL ARTICLES

- In Defense of the Stethoscope
by Raymond LH Murphy Jr—Boston, Massachusetts 355

TEACHING CASE OF THE MONTH

- Amiodarone Pneumonitis
by Jeffrey I Stewart, Rashmi Chawla, Joshua M Lloyd,

CONTENTS

CONTINUED...

ALSO IN THIS ISSUE

387	AARC Membership Application
281	Abstracts from Other Journals
400	Advertisers Index & Help Lines
400	Author Index
399	Calendar
397	Call for Abstracts
389	Manuscript Preparation Guide
386	Notices
382	Professional Opportunities

and Gregory C Kane—Philadelphia, Pennsylvania **370**

LETTERS

An Unusual Cause of a Difficult Extubation
by Stephen J Gleich, William J Mauermann, and Norman E Torres—Rochester, Minnesota **376**

BOOKS, FILMS, TAPES, & SOFTWARE

ABC of COPD (Currie GP, editor)
reviewed by Nancy K Sugg—Seattle, Washington **377**

Chronic Obstructive Pulmonary Disease (Stockley RA, Rennard SI,
Rabe K, Celli B, editors)
reviewed by James F Donohue—Chapel Hill, North Carolina **378**

Pulmonary Disorders of the Elderly: Diagnosis, Prevention, and Treatment
(Petty TL, Seebass JS, editors)
reviewed by Helen M Sorenson—San Antonio, Texas **379**

Obstructive Sleep Apnea: Pathophysiology, Comorbidities, and Consequences.
Sleep Disorders series, volume 3 (Kushida CA, editor)
Obstructive Sleep Apnea: Diagnosis and Treatment. *Sleep Disorders series,*
volume 4 (Kushida CA, editor)
reviewed by Charles W Atwood Jr—Pittsburgh, Pennsylvania **380**

**RESPIRATORY
CARE**

A Monthly Science Journal
Established in 1956

The Official Journal of the
American Association for
Respiratory Care

