Contents

Editor’s Section

87 Celebrating Our Successes and Reflecting Upon Disappointments
Phillip M. Boiselle

88 Fail Better
Richard B. Gunderman

90 25-on-25: Twenty-five Perspectives on Twenty-five Years of Cardiopulmonary Imaging (Part II)
Phillip M. Boiselle, et al

96 Introduction to the American College of Radiology Appropriateness Criteria® Review Series
Tan-Lucien H. Mohammed and Arfa Khan

97 Benefits Versus Risks of Computed Tomography: Tipping the Balance
U. Joseph Schoepf

98 In Memoriam: Dr Jud Gurney, 1954-2010
Gerald F. Abbott

(continued next page)
Symposium

100 Pushing the Envelope: New Computed Tomography Techniques for Cardiothoracic Imaging
   Thomas G. Flohr, Ernst Klotz, Thomas Allmendinger, Rainer Raupach, Herbert Bruder, and Bernhard Schmidt

112 Update on Multidetector Computed Tomography Imaging of the Airways
   Karen S. Lee and Phillip M. Boiselle

125 Multidetector High-resolution Computed Tomography of the Lungs: Protocols and Applications
   Baskaran Sundaram, Aamer R. Chughtai, and Ella A. Kazerooni

142 Angiogenesis in Non-small Cell Lung Cancer: Imaging With Perfusion Computed Tomography
   Quan Sing Ng and Vicky Goh

151 Diagnosing Pulmonary Embolism: New Computed Tomography Applications
   Konstantin Nikolaou, Sven Thieme, Wieland Sommer, Thorsten Johnson, and Maximilian F. Reiser

161 Time-resolved Computed Tomography Imaging of the Aorta: A Feasibility Study
   Wieland H. Sommer, Dirk A. Clevert, Fabian Bamberg, Andreas Helck, Edda Albrecht, Maximilian F. Reiser, Christoph R. Becker, and Konstantin Nikolaou

Original Articles

168 Computed Tomography Imaging of Anterior and Middle Mediastinal Ewing Sarcoma/Primitive Neuroectodermal Tumors
   Wei-dong Zhang, Ling-ling Zhao, Xiao-bo Huang, Pei-qiang Cai, and Gui-xiao Xu

173 Prevalence of Fat Deposition Within the Right Ventricular Myocardium in Asymptomatic Young Patients Without Ventricular Arrhythmias
   Jacobo Kirsch, Christopher K. Johansen, Philip A. Araoz, Peter A. Brady, Eric E. Williamson, and James F. Glockner

179 Lipoid Pneumonia Complicating Megaesophagus Secondary to Chagas Disease: High-resolution Computed Tomography Findings
   Edson Marchiori, Gláucia Zanetti, Luiz Felipe Nobre, Tatiana Chinem Takayasu, and Klaus Loureiro Irion

(continued next page)
Contents (continued)

Pictorial Essay

183 MRI and Computed Tomography of Cardiac and Pulmonary Complications of Tetralogy of Fallot in Adults
Robyn D. Gartner, Nicole J. Sutton, Samuel Weinstein, Hugo Spindola-Franco, and Linda B. Haramati

Web Exclusive Content—Appropriateness Criteria Review

W21 ACR Appropriateness Criteria on Chronic Dyspnea: Suspected Pulmonary Origin

Web Exclusive Content—Case Reports: Pulmonary

W24 Primary Tracheal non-Hodgkin Lymphoma: Case Report With an Emphasis on Computed Tomography Findings
Taisa Davaus Gasparetto, Fernanda Bessa Azevedo, Aline Toledo, Glúcia Zanetti, and Edson Marchiori

W27 Metal Fume-Induced Diffuse Alveolar Damage
Jason Bydash, Rahil Kasmani, and Kalpana Naraharisetty

W30 Rosai-Dorfman Disease Manifesting as a Mediastinal Mass With Calcifications
Jorge Brito, Vítor Sousa, Luísa Teixeira, Lina Carvalho, and Filipe Caseiro-Alves

W33 High-resolution Computed Tomography Findings in Hantavirus Pulmonary Syndrome
Fabrício Guimarães Gonçalves, Cássio Lemos Jovem, Victor Martins Isaac, and Priscilla Ornellas Neves

W36 Pulmonary Hyalinizing Granuloma Mimicking Multiple Lung Metastases: Report of Fluorodeoxyglucose Positron Emission Findings
Chi-Tun Lien, Chih-Jen Yang, Sheau-Fang Yang, Shah-Hwa Chou, and Ming-Shyan Huang

Web Exclusive Content—Editorial Announcement

W40 2010 Gold Medal Award of the Society of Thoracic Radiology
Charles S. White
Contents (continued)

Web Exclusive Content—Abstracts From the Annual STR Meeting

W42 Abstracts From the Annual Meeting

Quick Poll Question:
“Which potential advance or line of research of the last 25 years failed to live up to your expectations?” Go to www.thoracicimaging.com to enter your response and to view the poll results.

This issue is dedicated to the memory of Dr Jud Gurney, 1954–2010

Listed in Index Medicus, MEDLINE, Current Contents/Clinical Medicine, EMBASE/Excerpta Medica, RSNA Index to Imaging Literature

Address for subscription information, orders, or change of address Lippincott Williams & Wilkins, P.O. Box 1580, Hagerstown, MD 21741-1580; phone 800-638-3030 (outside the United States 301-223-2300); fax 301-223-2400. In Japan, contact LWW Igaku-Shoin Ltd., 3-23-14 Hongo, Bunkyo-ku, Tokyo 113-0033; phone 81-3-5689-5400; fax: 81-3-5689-5402. In Bangladesh, India, Nepal, Sri Lanka, and Pakistan, contact Globe Publications Pvt. B-13, 3rd Floor, A Block, Shopping Complex, Naraina Vihar, Ring Road, New Delhi 110028; phone: 91-11-579-3211; fax; 91-11-579-8876.

Lippincott Williams & Wilkins, Inc. cannot be held responsible for errors or for any consequences arising from the use of the information contained in this journal.

The appearance of advertising in this journal does not constitute an endorsement or approval by Lippincott Williams & Wilkins, Inc. of the quality or value of the product advertised or of the claims made for it by its manufacturer.

Advertising inquiries should be addressed to Miriam Terron-Elder, Lippincott Williams & Wilkins, 333 7th Avenue, 20th Floor, New York, NY 10001. Phone: (646) 674-6538; Fax: (646) 674-6500.

PERMISSION TO PHOTOCOPY ARTICLES: This publication is protected by copyright. Permission to reproduce copies of the articles for non-commercial use must be secured in writing from: Permissions Department, Lippincott, Williams & Wilkins, 351 West Camden Street, Baltimore, MD 21201, Fax: 410-528-8550. www.copyright.com