Contents

Editor’s Section

1 A New JTI Milestone
   Phillip M. Boiselle

2 Editors’ Recognition Awards for Distinction in Reviewing in 2011
   Phillip M. Boiselle and Gautham P. Reddy

3 Evaluation of Suspected Pulmonary Embolism in Pregnancy
   Charles Gregory Elliott

5 Expert Opinion: CT Pulmonary Angiography in Pregnant Patients With
   Suspected Pulmonary Embolism
   Phillip M. Boiselle, Lawrence R. Goodman, Diana Litmanovich,
   Martine Rémy-Jardin, and Cornelia Schaefer-Prokop

6 Expert Opinion: Dual Energy CT: Most and Least Relevant Cardiopulmonary
   Imaging Applications
   Phillip M. Boiselle, Konstantin Nikolaou, U. Joseph Schoepf, and Joon Beom Seo

Review Article

7 Dual-energy Computed Tomography: Concepts, Performance, and Thoracic
   Applications
   Jane P. Ko, Scott Brandman, Joseph Stember, and David P. Naidich

(continued next page)
## Contents (continued)

### Original Articles

<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>23</td>
<td>Major Adverse Cardiac Events and the Severity of Coronary Atherosclerosis Assessed by Computed Tomography Coronary Angiography in an Outpatient Population With Suspected or Known Coronary Artery Disease</td>
<td>Annachiara Aldrovandi, Erica Maffei, Sara Seitun, Chiara Martini, Elena Berti, Roberto Grilli, Giancarlo Messalli, Annick C. Weustink, Nico R. Mollet, Koen Nieman, Diego Ardissino, Pim J. de Feyter, Gabriel P. Krestin, and Filippo Cademartiri</td>
</tr>
<tr>
<td>29</td>
<td>64-Slice Multidetector-row Computed Tomography in the Diagnosis of Coronary Artery Disease: Interobserver Agreement Among Radiologists With Varied Levels of Experience on a Per-patient and Per-segment Basis</td>
<td>Josef Matthias Kerl, U. Joseph Schoepf, Ralf W. Bauer, Tuna Tekin, Philip Costello, Thomas J. Vogl, and Christopher Herzog</td>
</tr>
<tr>
<td>36</td>
<td>Patients’ Views of Cardiac Computed Tomography Angiography Compared With Conventional Coronary Angiography</td>
<td>Niels C. F. Sandgaard, Axel C. P. Diederichsen, Henrik Petersen, Poul F. Høilund-Carlsen, and Hans Mickley</td>
</tr>
<tr>
<td>40</td>
<td>Computed Tomography Coronary Angiography Versus Stress Myocardial Perfusion Imaging for Risk Stratification in Patients With High Occupational Risk</td>
<td>Jennifer Slim, Laudino Castillo-Rojas, Matt Hann, John Symons, Shaun Martinho, Jison Sim, Santiago Jimenez, Brian Haney, Todd C. Villines, Eric A. Shry, and Ahmad M. Slim</td>
</tr>
<tr>
<td>44</td>
<td>Pulmonary Fibrosis in Systemic Sclerosis: Association With Myocardial Fibrosis</td>
<td>Patrick J. Nicholson, Christopher Hegarty, Melanie Jackson, David Keane, Oliver Fitzgerald, Barry Bresnihan, Douglas Veale, and Jonathan D. Dodd</td>
</tr>
<tr>
<td>51</td>
<td>Flat-Panel Detector Computed Tomography Imaging: Observer Performance in Detecting Pulmonary Nodules in Comparison With Conventional Chest Radiography and Multidetector Computed Tomography</td>
<td>Hideji Otani, Norihisa Nitta, Mitsuru Ikeda, Yukihiro Nagatani, Toyohiko Tanaka, Hitoshi Kitahara, Yoko Murakami, Masashi Takahashi, and Kiyoshi Murata</td>
</tr>
</tbody>
</table>

(continued next page)
Contents (continued)

Web Exclusive Content—Signs in Cardiopulmonary Imaging

W1 “Septal Bounce”
Christopher M. Walker, Jonathan H. Chung, and Gautham P. Reddy

Web Exclusive Content—Case Reports: Cardiovascular

W2 Magnetic Resonance Imaging of Right Ventricular Papillary Endothelial Hyperplasia
Anita Oza, Benjamin Moreno, M. Mukarram Sheikh, and Terrence C. Demos

W5 Double-chambered Left Ventricle Due to Fibroelastotic Membrane: An Unusual Case
Prabhakar Rajiah, James Thomas, Nicholas Smedira, and Milind Y. Desai

W8 Cardiac Angiosarcoma: An Unusual Cause of Coronary Artery Pseudoaneurysm
Abhishek Chaturvedi, Dharshan Vummidi, William P. Shuman, Theodore J. Dubinsky, and Jeffrey H. Maki

Web Exclusive Content—Case Reports: Pulmonary

W10 Tracheal Varix in Portal Hypertension
Martin MacDonald, Philip Bardin, and Kenneth K. Lau

W13 Magnetic Resonance Imaging Findings of Empyema Necessitatis in a Child With a Group A Streptococcus Infection
Rebecca Stein and David Manson

W15 Effect of Lung Volume and Gravity on the Attenuation and Size of a Pure Ground-Glass Nodule
Gilbert R. Ferretti, François Arbib, Jean François Roux, Vincent Bland, and Sylvie Lantuejoul

Web Exclusive Content—Case Reports: Japanese Society of Thoracic Radiology

W18 Exogenous Lipoid Pneumonia Induced by Aspiration of Insecticide
Keisuke Ishimatsu, Takeshi Kamitani, Yoshio Matsuo, Masamitsu Hatakenaka, Shunya Sunami, Mikako Jinnouchi, Michinobu Nagao, Hidetake Yabuuchi, and Hiroshi Honda

W21 Angiomyolipomas of the Mediastinum and the Lung
Koichiro Morita, Yoshitaka Shida, Kenji Shinozaki, Satoru Uehara, Takashi Seto, Kenji Sugio, Yukito Ichinose, Kenichi Nishiyama, Yoshio Matsuo, Masamitsu Hatakenaka, and Hiroshi Honda

(continued next page)
W24 High-resolution Computed Tomography Findings in a Case of Severe Leptospira Infection (Weil Disease) Complicated With Jarisch-Herxheimer Reaction

Tsuyoshi Hashimoto, Soichi Akata, Jinho Park, Yoshimi Harada, Yoji Hirayama, Junji Otaki, and Koichi Tokuuye

Quick Poll Question:

“Which imaging study do you currently employ most often in your practice for the evaluation of suspected pulmonary embolism in pregnant patients?”

Go to www.thoracicimaging.com to enter your response and to view the poll results.