

<b>European Perspectives</b> .....	f1-f6
<b>Clinical Summaries</b> .....	1

## Editorials

<b>Sex Differences in Congenital Heart Disease: Should a Woman Be More Like a Man?</b> <i>Carole A. Warnes, MD, FRCP</i> .....	3
<b>Intracoronary Administration of Abciximab in ST-Elevation Myocardial Infarction</b> <i>C. Michael Gibson, MS, MD; Cafer Zorkun, MD, PhD; Vijayalakshmi Kunadian, MBBS, MD, MRCP</i> .....	6
<b>Therapeutic Angiogenesis for Critical Limb Ischemia: Microvascular Therapies Coming of Age</b> <i>Jörn Tongers, MD; Jerome G. Roncalli, MD; Douglas W. Losordo, MD</i> .....	9

## Original Articles

### Arrhythmia/Electrophysiology

<b>Role of Conduction Velocity Restitution and Short-Term Memory in the Development of Action Potential Duration Alternans in Isolated Rabbit Hearts</b> <i>Sergey Mironov, PhD; José Jalife, MD; Elena G. Tolkacheva, PhD</i> <b>Clinical Perspective</b> .....	→17
---	-----

### Congenital Heart Disease

<b>Gender and Outcome in Adult Congenital Heart Disease</b> <i>Carianne L. Verheugt, MD; Cuno S.P.M. Uiterwaal, MD, PhD; Enno T. van der Velde, PhD; Folkert J. Meijboom, MD, PhD; Petronella G. Pieper, MD, PhD; Hubert W. Vliegen, MD, PhD; Arie P.J. van Dijk, MD, PhD; Berto J. Bouma, MD, PhD; Diederick E. Grobbee, MD, PhD; Barbara J.M. Mulder, MD, PhD</i> <b>Clinical Perspective</b> .....	→26
--	-----

### Epidemiology

<b>Association of Insulin Resistance and Inflammation With Peripheral Arterial Disease: The National Health and Nutrition Examination Survey, 1999 to 2004</b> <i>Reena L. Pande, MD; Todd S. Perlstein, MD, MMSc; Joshua A. Beckman, MD, MSc; Mark A. Creager, MD</i> <b>Clinical Perspective</b> .....	→33
---	-----

### Hypertension

<b>Effect of Doxazosin Gastrointestinal Therapeutic System as Third-Line Antihypertensive Therapy on Blood Pressure and Lipids in the Anglo-Scandinavian Cardiac Outcomes Trial</b> <i>Neil Chapman, FRCP; Choon Lan Chang, PhD; Björn Dahlöf, MD, PhD; Peter S. Sever, FRCP; Hans Wedel, PhD; Neil R. Poulter, FRCP; on behalf of the ASCOT Investigators</i> <b>Clinical Perspective</b> .....	→42
---	-----

## Interventional Cardiology

### Intracoronary Compared With Intravenous Bolus Abciximab Application in Patients With ST-Elevation Myocardial Infarction Undergoing Primary Percutaneous Coronary Intervention: The Randomized Leipzig Immediate Percutaneous Coronary Intervention Abciximab IV Versus IC in ST-Elevation Myocardial Infarction Trial

Holger Thiele, MD; Kathrin Schindler, MD; Josef Friedenberger, MD; Ingo Eitel, MD; Georg Fürnau, MD; Eigk Grebe, MD; Sandra Erbs, MD; Axel Linke, MD; Sven Möbius-Winkler, MD; Dietmar Kivelitz, MD; Gerhard Schuler, MD

**Clinical Perspective**

→49

## Vascular Medicine

### Results of a Double-Blind, Placebo-Controlled Study to Assess the Safety of Intramuscular Injection of Hepatocyte Growth Factor Plasmid to Improve Limb Perfusion in Patients With Critical Limb Ischemia

Richard J. Powell, MD; Michael Simons, MD; Farrel O. Mendelsohn, MD; George Daniel, MD; Timothy D. Henry, MD; Minako Koga, BS; Ryuichi Morishita, MD;

Brian H. Annex, MD

**Clinical Perspective**

**CME**

→58

### Mechanical Inhibition of Angiogenesis at the Saphenofemoral Junction in the Surgical Treatment of Varicose Veins: Early Results of a Blinded Randomized Controlled Trial

André M. van Rij, MD, FRACS; Gregory T. Jones, PhD; B. Geraldine Hill, BSc(Hon); Mohammad Amer, MB, ChB; Ian A. Thomson, MB, ChB, FRACS; Ross A. Pettigrew, MB, ChB, FRACS; Stephen G.K. Packer, MB, ChB, FRACS

**Clinical Perspective**

→66

### Impact of Plasma Oxidized Low-Density Lipoprotein Removal on Atherosclerosis

Yasushi Ishigaki, MD, PhD; Hideki Katagiri, MD, PhD; Junhong Gao, MD, PhD; Tetsuya Yamada, MD, PhD; Junta Imai, MD, PhD; Kenji Uno, MD, PhD; Yutaka Hasegawa, MD, PhD; Keizo Kaneko, MD; Takehide Ogihara, MD, PhD; Hisamitsu Ishihara, MD, PhD; Yuko Sato, PhD; Kenji Takikawa, BA; Norihisa Nishimichi, PhD; Haruo Matsuda, DVM, PhD; Tatsuya Sawamura, MD, PhD;

Yoshitomo Oka, MD, PhD

**Clinical Perspective**

→75

## Basic Science for Clinicians

### Mechanisms of Cardiac Dysfunction Associated With Tyrosine Kinase Inhibitor Cancer Therapeutics

Ming Hui Chen, MD, MMSc; Risto Kerkelä, MD, PhD; Thomas Force, MD

84

## Statistical Primer for Cardiovascular Research

### Genetic Association Studies

Kathryn L. Lunetta, PhD

96

## Images in Cardiovascular Medicine

### Intermittent Claudication in a 28-Year-Old Man With Pseudoxanthoma Elasticum

Olga von Beckerath, MD; Jochen Gaa, MD; Christoph Winkler von Mohrenfels, MD;

Nicolas von Beckerath, MD

102

## Circulation Electronic Pages

### Images in Cardiovascular Medicine

#### Cardiac Magnetic Resonance Imaging Identifies the Elusive Perivalvular Abscess

Aaron L. Sverdlov, MBBS, FRACP; Karen Taylor, MBBS; Andrew G. Elkington, MD, MRCP; Christopher J. Zeitz, MBBS, FRACP, PhD, FCSANZ;

John F. Beltrame, BSc, BMBS, FRACP, PhD, FCSANZ

**Web Site Feature**

★e1–e3

#### Spontaneous Echocardiographic Wall Motion Abnormalities in Variant Angina

Luigi Politi, MD; Daniel Enrique Monopoli, MD; Fabio Alfredo Sgura, MD; Rosario Rossi, MD;

Francesca Bursi, MD, MSc; Maria Grazia Modena, MD

**Web Site Feature**

★e4–e6

## Correspondence

### Letter by Höglund and Nilsson Regarding Article, “Influence of Nonfatal Hospitalization for Heart Failure on Subsequent Mortality in Patients With Chronic Heart Failure”

Peter Höglund, MD, PhD; L.A. Fredrik Nilsson, PhD [Web Site Feature](#) .....★e7

### Response to Letter Regarding Article, “Influence of Nonfatal Hospitalization for Heart Failure on Subsequent Mortality in Patients With Chronic Heart Failure”

Scott D. Solomon, MD; Marc A. Pfeffer, MD; Stuart Pocock, PhD; Joanna Marro, PhD;  
John J.V. McMurray, MD; Christopher B. Granger, MD; Salim Yusuf, MD; Karl Swedberg, MD;  
James B. Young, MD; Eric Michelson, MD; for the Candesartan in Heart Failure (CHARM)  
Investigators [Web Site Feature](#) .....★e8

### Letter by Gale et al Regarding Article, “Which Hospitals Have Significantly Better or Worse Than Expected Mortality Rates for Acute Myocardial Infarction Patients? Improved Risk Adjustment With Present-at-Admission Diagnoses”

Christopher P. Gale, BSc (Hons), MBBS, MRCP, PhD, Dip, MEd; John S. Birkhead, MA, MB, FRCP;  
Samuel O.M. Manda, BSc (Hons), MSc, PhD [Web Site Feature](#) .....★e9

### Response to Letter Regarding Article, “Which Hospitals Have Significantly Better or Worse Than Expected Mortality Rates for Acute Myocardial Infarction Patients? Improved Risk Adjustment With Present-at-Admission Diagnoses”

George J. Stukenborg, PhD; Douglas P. Wagner, PhD; M. Norman Oliver, MD; Steven W. Heim, MD;  
Caroline Kim Han, MD; Andrew M.D. Wolf, MD; Frank E. Harrell, Jr, PhD; Amy L. Price, MD;  
Alfred F. Connors, Jr, MD [Web Site Feature](#) .....★e10

---

Classified Advertising [Web Site Feature](#) .....★B1

➡ indicates articles with a Clinical Perspective; ★ indicates articles available online only.

## 118 (1)

*Circulation*. 2008;118:e7-104

*Circulation* is published by the American Heart Association, 7272 Greenville Avenue, Dallas, TX 75231  
Copyright © 2008 American Heart Association, Inc. All rights reserved.  
Print ISSN: 0009-7322. Online ISSN: 1524-4539

The online version of this article, along with updated information and services, is located on the  
World Wide Web at:

<http://circ.ahajournals.org/content/118/1.citation>

**Permissions:** Requests for permissions to reproduce figures, tables, or portions of articles originally published in *Circulation* can be obtained via RightsLink, a service of the Copyright Clearance Center, not the Editorial Office. Once the online version of the published article for which permission is being requested is located, click Request Permissions in the middle column of the Web page under Services. Further information about this process is available in the [Permissions and Rights Question and Answer](#) document.

**Reprints:** Information about reprints can be found online at:  
<http://www.lww.com/reprints>

**Subscriptions:** Information about subscribing to *Circulation* is online at:  
<http://circ.ahajournals.org/subscriptions/>