Karger Publishers – 125 Years of Experience in Medical and Scientific Publishing

Karger Publishers – independent, family-run and Swiss-based.

It is our goal to serve the global scientific community with innovative and outstanding publications in all fields of medical science. This means dedication to maintaining the highest standards of quality, as well as personalized service for authors, editors and readers.

www.karger.com

Please order a free copy of the Karger Festschrift ‘Connecting the World of Biomedical Science’ by sending your address to 125years@karger.com.
Journal of Vascular Research

Founded 1964 as 'Angiologica' by M. Comèl and L. Laszt (1964–1973)
Incorporating International Journal of Microcirculation, Clinical and Experimental, founded 1980 by the European Society for Microcirculation

Editor-in-Chief
U. Pohl, Munich

Associate Editors
J.G.R. de Mey, Maastricht
I. Fleming, Frankfurt/Main
A. Koller, Budapest/Valhalla, N.Y. (Reviews)
G.A. Meininger, Columbia, Mo.
E. van Bavel, Amsterdam
J.D. Pearson, London
M. Ziche, Siena

Editorial Board
J.E. Brayden, Burlington, Vt.
G. Breier, Dresden
N.J. Brown, Sheffield
G. Clough, Southampton
M.J. Davis, Columbia, Mo.
J.C. Frisbee, Morgantown, W.Va.
C.J. Garland, Oxford
M. Gassmann, Zürich
T. Gloe, Mannheim
M. Gollasch, Berlin
A.M. Heagerty, Manchester
P. Hellstrand, Lund
D. Henrion, Angers
C. Hill, Canberra
M.A. Hill, Columbia, Miss.
Y. Huang, Shatin, Hong Kong
V.H. Huxley, Columbia, Mo.
J.D. Imig, Milwaukee, Wisc.
I. Laher, Vancouver, B.C.
T.M. Lincoln, Mobile, Ala.
L. Lindbom, Stockholm
J. Lopez-Barneo, Sevilla
J.M. Marshall, Birmingham
S. Massberg, Boston, Mass.
J.C.I. McGrath, Glasgow
A.C. Newby, Bristol
H. Nilsson, Göteborg
M.G.A. oude Egbrink, Maastricht
A.R. Pries, Berlin
I.H. Sarelius, Rochester, N.Y.
E.L. Schiffrin, Montréal, Que.
G.W. Schmid-Schönbein, La Jolla, Calif.
S.M. Schwartz, Seattle, Wash.
S.S. Segal, Columbia, Mo.
A.C. Shore, Exeter
U. Simonsen, Aarhus
L. Sorokin, Muenster
A. Tedgui, Paris
J.E. Tooke, London
V.W. van Hinsbergh, Amsterdam
E. Vicaut, Paris
B.R. Wamhoff, Charlottesville, Va.
C. Webb, Augusta, Ga.
C. de Wit, Luebeck

Official Journal of the European Society for Microcirculation

Printed in Germany on acid-free and non-aging paper
(ISO 9706) by Stückle Druck, Ettenheim
The Journal of Vascular Research publishes manuscripts of scientific distinction in the vascular, microvascular and lymphatic fields, as regards biology, physiology and pathophysiology, with an emphasis on mechanisms. The scope of the journal covers a broad spectrum of research, including structure, function, hemodynamics, mechanics, pharmacology, cell signalling, intercellular communication, growth and differentiation. Papers employing cellular, biophysical, molecular and intra-vital microscopic as well as more classical techniques are welcome. Clinical approaches (especially in the field of microcirculation) will be readily considered only if they provide new insights into the origin or rational therapy of diseases. Manuscripts may be in the form of research papers, reviews, short communications, letters to the editor, commentaries and new methods in vascular research. In all cases, the criteria for acceptance are based on completeness, novelty and scientific excellence.

Submission
Only original papers written in English are considered. Research papers and reviews should not normally be more than 10 printed pages in length including illustrations and references (approximately 6,460 characters, spaces included per printed page). Authors wishing to submit a Review should contact the Editors in advance. Short communications should not exceed 3 printed pages.

Manuscripts to the Journal of Vascular Research can now be submitted online! Detailed online submission instructions with a link to the submission website are at www.karger.com/jvr. Before submitting your manuscript, you are encouraged to review the detailed guidelines at www.karger.com/jvr_guidelines for specific directions as how to get a manuscript ready for submission. Should you have any problems with your submission or feel the need to submit the paper in a non-electronic form, please contact the editorial office:

Editorial Office:
Eva Araliketti
jvr@karger.com
Tel. +49 89 2180 75388
Fax +49 89 2180 75378

Conditions
All manuscripts must be accompanied by a covering letter signed by all authors and are subject to editorial review. Manuscripts are received with the explicit consideration by any other publication. Submission of an article for publication implies transfer of the copyright from the author to the publisher upon acceptance. Accepted papers become the permanent property of the Journal of Vascular Research and may not be reproduced by any means, in whole or in part, without the written consent of the publisher. It is the author's responsibility to obtain permission to reproduce illustrations, tables, etc. from other publications.

Sections
Research Papers: Submitted manuscripts should be fully documented reports of original research. They must describe significant and original observations which can be critically evaluated and, if necessary, repeated.

Review: Reviews concerned with topics of current interest in vascular research will be welcome. Potential authors are asked to contact the editors before submitting their papers in order to avoid clashes with other pending reviews. All reviews will be subjected to normal critical peer refereeing.

Methods in Vascular Biology: Primarily methodological papers of interest to the average reader. They should follow the normal arrangement of research papers, including an abstract not exceeding 150 words and should not be more than 3 printed pages in length (including figures, tables and references).

Rapid Communication: Manuscripts intended as rapid communications must present new and exciting results of sufficient importance to justify their accelerated acceptance. They should follow the normal arrangement of research papers, including an abstract not exceeding 150 words. Rapid communications should not be more than 3 printed pages in length (approx. 6,460 characters, spaces included). Rapid communications can only be accepted as they are or with minor modifications. Rejected manuscripts can only be reconsidered as regular papers. Review will be rapid, and, once accepted, the paper will be included in the next planned issue.

Commentary: Comments concerning current topics of interest in vascular science will be considered for publication by the Editors. They should not be more than one printed page in length (approx. 6,460 characters, spaces included).

Letter to the Editor: Letters to the Editor concerning articles published in Journal of Vascular Research may be submitted for publication. If accepted, the authors of the articles concerned will be given the opportunity to reply.

Arrangement
Manuscript organization: Manuscripts should include, in sequence and on separate pages: title and authors, address, running title and acknowledgment of support; abstract and key words; introduction; methods; results; discussion; acknowledgments; references; tables; figures.

The normal maximum length is 10 printed pages (including tables, illustrations and references), one printed page containing approximately 6,460 characters, spaces included.

Title page: The first page of each paper should indicate the title, the authors’, names, the institute where the work was conducted, and a short title for use as a running head.

Full address: The exact postal address of the correspon-ding author complete with postal code must be given at the bottom of the title page. Please also supply phone and fax numbers, as well as an e-mail address.

Key words: For indexing purposes, a list of 3–10 key words in English is essential. Consult previous numbers of Journal of Vascular Research for suitable entries.

Abstract: Each paper needs an abstract of up to 200 words.

Footnotes: Acknowledgment of support is printed as a footnote to the title. Other footnotes should be avoided.

Style: All measurements should normally be in SI units. Blood pressure may be given in mm Hg. Use generic names of drugs. Avoid jargon, euphemisms and abbreviations. Tables and illustrations: Tables and illustrations (both numbered in Arabic numerals) should be prepared on separate pages. Tables require a heading and figures a legend, also prepared on a separate page. Due to technical reasons, figures with a screen background should not be submitted. When possible, group several illustrations in one block for reproduction (max. size 180 x 223 mm) or provide crop marks. Each illustration must be labelled with its number and the first author’s name. b/w-halftone and color illustrations must have a final resolution of 300 dpi after scaling (final size), line drawings one of 800–1,200 dpi. Figure files must not be embedded in a document file but submitted separately (see detailed instructions at www.karger.com/jvr_guidelines).

Digital Object Identifier (DOI)
S. Karger Publishers supports DOIs as unique identifiers for articles. A DOI number will be printed on the title page of each article. DOIs can be used in the future for identifying and citing articles published online without volume or issue information. More information can be found at www.doi.org.

Supplementary Material
Supplementary material is restricted to additional data that are not necessary for the scientific integrity and conclusions of the paper. Please note that all supplementary files will undergo editorial review and should be submitted together with the original manuscript. The Editors reserve the right to limit the scope and length of the supplementary material. Supplementary material must meet production quality standards for Web publication without the need for any modification or editing. In general, supplementary files should not exceed 10 MB in size. All figures and tables should have titles and legends and all files should be supplied separately and named clearly. Acceptable files and for-
mats are: Word or PDF files, Excel spreadsheets (only if the data cannot be converted properly to a PDF file), and video files (.mov, .avi, .mpeg).

**Video Files**

Video files for the *Journal of Vascular Research* enhance the online versions. The printed journal remains the archival version. Since it does not contain video files, the latter can only be supplements which improve the reader's understanding of the paper. In the printed version they should be replaced by a 'typical' figure. For further information, please refer to www.karger.com/jvr_guidelines.

**Color Illustrations**

*Online edition:* Color illustrations are reproduced free of charge. In the print version, the illustrations are reproduced in black and white. Please avoid referring to the colors in the text and figure legends.

*Print edition:* Up to 6 color illustrations per page can be integrated within the text at CHF 960.00 per page.

**Page Charges**

Authors are charged CHF 130.00 per printed page. 1 printed page is equal to approximately 2 manuscript pages (approx. 6,460 characters, spaces included).

---

**Guidelines for Authors**

**Author’s Choice™**

Karger's Author’s Choice™ service broadens the reach of your article and gives all users worldwide free and full access for reading, downloading and printing at www.karger.com. The option is available for a one-time fee of CHF 3,000.00, which is a permissible cost in grant allocation. More information can be found at www.karger.com/authors_choice.

**NIH-Funded Research**

The U.S. National Institutes of Health (NIH) mandates under the NIH Public Access Policy that final, peer-reviewed manuscripts appear in its digital database within 12 months of the official publication date. As a service to authors, Karger submits the final version of your article on your behalf to PubMed Central. For those selecting our premium Author’s Choice™ service, we will send your article immediately upon publishing, accelerating the accessibility of your work without the usual embargo. More details on NIH's Public Access Policy are available at http://publicaccess.nih.gov/FAQ.htm#a1

**Self-Archiving**

Karger permits authors to archive their pre-prints (i.e. pre-refereeing) or post-prints (i.e. final draft post-refereeing) on their personal or institution's servers, provided the following conditions are met: Articles may not be used for commercial purposes, must be linked to the publisher's version, and must acknowledge the publisher's copyright. Authors selecting Karger's Author's Choice™ feature, however, are also permitted to archive the final, published version of their article, which includes copyediting and design improvements as well as citation links.

**Copy Editing**

All manuscripts accepted for publication by Karger are subject to copy editing. Changes introduced by the copy editor and/or questions will be marked in the manuscript so please be sure to check the galleys against the manuscript. The copy edited manuscript will be returned along with the proofs.

**Proofs**

Unless indicated otherwise, proofs are sent to the corresponding author and should be returned with the least possible delay. Alterations made in proofs, other than the correction of printer's errors, are charged to the author. No page proofs are supplied.

**Reprints**

Order forms and a price list are sent with the proofs. Orders submitted after the issue is printed are subject to considerably higher prices.

---

**Take a guided tour through**

**125 years of medical and scientific publishing**

This hand-picked selection represents the history of the publishing house and illustrates the development of medicine and its subspecialties:

www.karger.com/Publishing-Highlights
Contents

See the journal website for contents
Application/Renewal of Individual Membership

☐ Application for Membership  ☐ Renewal of Membership

Last Name: First Name(s): Title (Prof./Dr.): 

Present Position: 

Address: 

Tel: Fax: E-mail (please write/print clearly): 

Main Research Interests (Keywords): 

I agree to have my name, address and research interests published on the web site of the ESM: ☐ YES ☐ NO

(If you don't tick here, we assume your agreement) 

Date: Signature: 

First applications must be sponsored by two members of the European Society for Microcirculation, please either enter the names of your sponsors below or send your CV with your application. 

Sponsored by Name 1: Sponsor by Name 2: 

Signature of Sponsor 1: Signature of Sponsor 2: 

Membership will be activated upon receipt of your payment

Payment Methods: (Please tick appropriate payment option)

I will pay by (See below for Payment Methods): ☐ Direct Debit ☐ Bank Transfer ☐ Internet Banking ☐ Cheque (Please quote your surname for all transfers)

☐ Direct Debit (GBP £ Sterling) ☐ Internet Banking (GBP £ Sterling)

☐ Full member £14.00 per annum ☐ Full member £ 28.00 for 2 years

☐ I will set up a direct debit from my account ☐ Transfer to Account No: 00150472 

Account No: 00150472 

Sort Code: 83-49-40 

Swiftcode: RBOS GB 2L 

☐ Direct Debit (Euro €) ☐ Internet Banking (Euro €)

☐ Full member €20.00 per annum ☐ Full member €40.00 for 2 years

☐ I will set up a direct debit from my account ☐ Transfer to Account No: EUSOMICI-EURC 

Account No: EUSOMICI-EURC 

IBAN: GB20 RBOS 8375 7010 0288 74 

BIC: RBOS GB 2L 

☐ Bank Transfer (GBP £ Sterling) ☐ Cheque/Bank Draft in GBP £ Sterling or Euro € payable to

☐ Full member £28.00 for 2 years + £1.00 cost of transfer 

Account No: 00150472 

Sort Code: 83-49-40 

Bank Address: 

European Society for Microcirculation, The Royal Bank of Scotland, 
Aberdeen Central Branch, 12 Golden Square, AB9 8DU

☐ Bank Transfer (Euro €) ☐ Cheque/Bank Draft in Euro € payable to

☐ Full member €40.00 for 2 years + €1.55 cost of transfer 

Account No: EUSOMICI-EURC 

IBAN: GB20 RBOS 8375 7010 0288 74 

BIC: RBOS GB 2L
JOIN US AT THE FASTEST GROWING VASCULAR ACCESS MEETING

Approximately 1,350 attendees, including a record-breaking 913 clinical attendees, took advantage of inspirational general sessions, insightful educational breakouts, a sold out exhibit hall, and 100+ research posters at AVA 2014.

AVA 2015
Association for Vascular Access
ANNUAL SCIENTIFIC MEETING
September 26-29 ★ Dallas, TX

Join fellow vascular access professionals, including:
Clinical Educators • Critical Care Physicians & RNs • Hemodialysis RNs • Infusion Nurse Specialists • IV Therapists & Team Supervisors • Nurse Practitioners • Pediatric Nurse Practitioner • PICC Specialists • Vascular Access Managers • Clinical Nurse Specialists • Directors of Nursing • Infectious Disease Physicians • NICU Physicians & RNs • Oncology RNs • Pediatric Nurses • Radiology Physicians & RNs • Respiratory Therapists • Vascular Surgeons • Vascular Access Specialists

FIND OUT MORE AT: WWW.AVAINFO.ORG
ACUTE CARDIOVASCULAR CARE 2015

4TH ANNUAL CONGRESS OF THE ACUTE CARDIOVASCULAR CARE ASSOCIATION

INNOVATING TO IMPROVE ACUTE CARDIOVASCULAR CARE

17-19 OCTOBER 2015

VIENNA, AUSTRIA

WWW.ESCARDIO.ORG/ACUTE2015

#ACUTE15
An overview of current ultrasound modes ranging from experimental approaches to clinical practice

Diagnostic ultrasound has become an elementary tool for evaluating cerebrovascular diseases and plays a prominent role in routine clinical practice. Many publications attempt to cover the continuous progress of its diagnostic and even therapeutic applications. However, the impact ultrasound has made in recent years in the fields of animal studies and human research is less well known. This publication provides an overview on exciting current attempts in neurological diseases, ranging from experimental approaches to established imaging modes ready to be incorporated into the routine of daily practice. The first part of the book concentrates on basic principles of neurosonology and focuses on contrast imaging, specific ultrasound contrast agents and safety aspects. The following chapters deal with different vascular ultrasound applications, allowing an optimized characterization of atherosclerotic disease and monitoring of cerebral autoregulation. In addition, the role of parenchymal ultrasound imaging in cerebrovascular diseases and movement disorders is illustrated. The final chapters look at promising new therapeutic approaches implementing ultrasound although they are still no more than experimental. The book can be highly recommended to clinical neurologists with good knowledge in clinical ultrasound who wish to gain a compact and updated insight into the plethora of capabilities of neurosonology in the future.

Contents

- Preface: Hennerici, M.G.
- Principles of Cerebral Ultrasound Contrast Imaging: Powers, J.; Averkiou, M.
- Physical Principles of Microbubbles for Ultrasound Imaging and Therapy: Stride, E.
- Ultrasound Bio-Effects and Safety Considerations: ter Haar, G.
- Intima-Media Thickness of Carotid Arteries: Touboul, P.-J.
- Functional TCD: Regulation of Cerebral Hemodynamics – Cerebral Autoregulation, Vasomotor Reactivity, and Neurovascular Coupling: Wolf, M.E.
- Intracranial Perfusion Imaging with Ultrasound: Meairs, S.; Kern, R.
- Parenchymal Imaging in Movement Disorders: Fernandes, R.C.L.; Berg, D.
- Sonothrombolysis: Meairs, S.
- Non-Invasive Transcranial Brain Ablation with High-Intensity Focused Ultrasound: Jenne, J.W.
- Ultrasound-Induced Blood-Brain Barrier Opening for Drug Delivery: Alonso, A.
Angiogenesis, the formation of new blood vessels, is fundamental for physiological processes such as embryonic and postnatal development, wound repair, and reproductive functions. Angiogenesis plays a major role in tumor growth and in several autoimmune and allergic disorders. Lymphangiogenesis, the formation of new lymphatic vessels, is also important for tumor growth, the formation of metastasis, and chronic inflammatory diseases. Judah Folkman, a pioneer in the study of angiogenesis, first proposed that macrophages and mast cells could be a relevant source of angiogenic factors. Since then, much effort has gone into the elucidation of the role of immune cells in the modulation of angiogenesis and lymphangiogenesis. There is now compelling evidence that several components of the innate and adaptive immune system are implicated in inflammatory and neoplastic angiogenesis and lymphangiogenesis. Articles in this volume deal with the emerging, intriguing possibility that immune cells are both a source and a target of angiogenic and lymphangiogenic factors. Therefore, cells of the immune system might play a role in inflammatory and neoplastic angiogenesis/lymphangiogenesis through the expression of several angiogenic factors and their receptors and co-receptors. This volume will be of broad interest to scientists interested in vascular biology, basic and clinical immunologists, oncologists and to specialists in allergic and immune disorders.

Tentative Contents

- History of Research on Angiogenesis: D. Ribatti
- Immune Cells as Source and Target of Angiogenic and Lymphangiogenic Factors: G. Marone, S. Loffredo, R.I. Staiano, F. Granata, A. Genovese
- Class 3 Semaphorin in Angiogenesis and Lymphangiogenesis: F. Bussolino, E. Giraudo, G. Serini
- Angiogenic and Anti-Angiogenic Chemokines: S. Sozzani, D. Bosisio, V. Salvi, V. Gagliostro
- Role of uPA/uPAR in the Modulation of Angiogenesis: N. Montuori, P. Ragno
- Neutrophil-Derived Cytokines Involved in Physiological and Pathological Angiogenesis: M.A. Cassatella, C. Tecchio
- Treg, Leptin and Angiogenesis: G. Matarese et al.
- Angiogenesis as a Therapeutic Target for Obesity and Metabolic Diseases: Y. Cao
- Angiogenesis in Multiple Myeloma: A. Vacca, R. Ria, A. Reale, D. Ribatti
- Angiogenesis Inhibitors in the Treatment of Prostate Cancer: B.A. Adesunloye, F.H. Karzai, W. L. Dahut
- Therapeutic Perspectives in Vascular Remodelling in Asthma and COPD: D. Olivieri, A. Chetta

The easiest way to order: www.karger.com

Order Form

Angiogenesis, Lymphangiogenesis and Clinical Implications
Editors: Marone, G.; Granata, F. (Naples)
approx. 200 p., hard cover, 2013
Special prepublication price: CHF 90.– / EUR 75.– / USD 106.00 (hard cover)
Prices subject to change
EURO price for Germany, USD price for USA only

Chemical Immunology and Allergy, Vol. 99
Series Editors: Ring, J. (Munich); Blaser, K. (Davos); Capron, M. (Lille); Denburg, J.A. (Hamilton, Ont.); Holgate, S.T. (Southampton); Marone, G. (Napoli); Saito, H. (Tokyo)
ISSN 1660–2242 / e-ISSN 1662–2898
Listed in MEDLINE/PubMed
Karger – Medical and Scientific Publishers
CH–4009 Basel, Switzerland
orders@karger.com; f: +41 61 306 12 34
www.karger.com

Please send: ____ copy/ies
Postage and handling free with prepayment

Payment:
Please charge to my credit card
☐ American Express ☐ Diners ☐ MasterCard ☐ Visa

Card No:

Exp. date:

CVV/CVC
(3 digits in the signature field on the back of Visa and MasterCard)
☐ Check enclosed ☐ Please bill me

Name/Address:

Date:

Signature:

Downloaded by: 54.70.40.11 - 11/18/2017 7:15:24 PM
The journal Pulse publishes full-length reviews, mini reviews, and original papers in the field of vascular research. Bringing together the basic and clinical sciences across a range of disciplines, Pulse provides a forum for communication of the latest findings and hypotheses that enhance our understanding of pulsatile processes and vascular disease. The transdisciplinary approach of the journal fosters collaboration in relevant areas including cardiology, nephrology, neurology, endocrinology and diabetology, gerontology and general medicine. All articles are subject to rigorous peer-review in order to maintain the highest standards of publication.

The editors welcome submissions from all areas of vascular research, including but not limited to epidemiology, pathophysiology, diagnostics, therapeutics and prevention. Online-first publication ensures prompt dissemination of accepted papers to a multidisciplinary audience with an interest in vascular research.

Selected contributions
• Pulse Wave Velocity in Postmenopausal Women: Suzuki, H. (Saitama); Kondo, K. (Tokyo)
• Arterial Stiffness: Avolio, A. (Sydney, N.S.W.)
• Role of Pulsatile Hemodynamics in Acute Heart Failure: Implications for Type 1 Cardiorenal Syndrome: Sung, S.-H.; Chen, C.-H. (Taipei)
• Effects of Various Antihypertensive Drugs on Arterial Stiffness and Wave Reflections: Liu, M.; Li, G.-L.; Li, Y.; Wang, J.-G. (Shanghai)
• Image-Based Evaluation of Vascular Function and Hemodynamics: Lee, J. (Daegu)

Pulse
Founded: 2013
Category: Clinical and Basic Research
Fields of Interest: Cardiovascular System, Nephrology
2015: Volume 3
4 issues per volume
Language: English
ISSN 2235–8676
e-ISSN 2235–8668

More information at www.karger.com/pls
The Tobacco Epidemic
2nd, revised and extended edition

Editors
Robert Loddenkemper
Michael Kreuter

This completely revised and enlarged 2nd edition of The Tobacco Epidemic provides a comprehensive update of the clinical, public health and political aspects of tobacco smoking. Since its 1st edition in 1997, knowledge on the health hazards of tobacco and nicotine addiction has increased considerably, but recent data has shown that the global problem has become more aggravated in low- and middle-income countries: if current trends continue, tobacco smoking will be responsible for the deaths of 1 billion people in the 21st century.

Written by outstanding international experts, the book covers the history of tobacco production and use, the economics of tobacco use and control, as well as the health consequences of active and passive smoking in both adults and children. Special chapters discuss the impact of media, movies and TV on tobacco consumption in young people, the patterns and predictors of smoking cessation in the general population and in different social subgroups, and initiatives supported by the WHO Framework Convention on Tobacco Control. Readers will find the latest information on how nicotine dependence is treated with nicotine replacement products, what role health care professionals play in helping smokers to quit and what effects smoke-free environments, advertising bans and price increases have on smoking prevalence. The potential harms and benefits of smokeless tobacco, waterpipe tobacco smoking and electronic cigarettes are also evaluated.

This book is a must-read for anyone in the medical profession who treats patients with smoking-related diseases and for those engaged in tobacco control. It will also be appreciated by interested nonmedical readers like journalists and legislators.

Contents

- Foreword/Preface
- History of Tobacco Production and Use: Hanafin, J.; Clancy, L.
- Global Tobacco Epidemic: Mackay, J.; Schluter, N.
- The Tobacco Epidemic and the Commercial Sector: Tobacco Industry Strategy to Increase Profits and Prevent Regulation: Weishaar, H.
- Chemistry and Primary Toxicity of Tobacco and Tobacco Smoke: Wiestel, F.J.
- Nicotine Dependence: Zaver, N.T.; Rollema, H.; Swan, G.E.
- The Psychology of the Smoker: Gilbert, D.G.; Pergadia, M.L.
- Respiratory Disorders Related to Smoking Tobacco: Murray, J.F.; Buist, A.S.
- Cardiovascular and Other (Except Respiratory) Disorders Related to Smoking Tobacco: Barnoya, J.; Monzon, J.C.
- Health Effects of Passive Smoking in Children: Bush, A.
- Health Effects of Passive Smoking in Adults: Clancy, L.; Kabir, Z.
- Economics of Tobacco Use and Control: Townsend, J.
- Legislation and Smoking Prevention: Latifi, E.; Warner, V.
- The WHO Framework Convention on Tobacco Control: Pötschke-Langer, M.; Schotte, K.; Szilagyi, T.
- Youth and Tobacco: Bauer, C.; Kreuter, M.
- Impact of Media, Movies and TV on Tobacco Use in the Youth: Sargent, J.D.; Hanewinkel, R.
- Social Determinants of Cigarette Smoking: Upson, D.
- Patterns and Predictors of Smoking Cessation: Ditre, J.; Zale, E.L.; Brandon, T.H.
- Examining the Role of the Health Care Professional in Controlling the Tobacco Epidemic: Individual, Organizational and Institutional Responsibilities: Leone, F.T.; Evers-Casey, S.
- Pharmacotherapy: Nicotine Replacement Therapy and Other Drugs in Smoking Cessation (Including Vaccination): Tennesen, P.
- Smokeless Tobacco – Health Hazards or Less Harm? Bolinder, G.; Gilljam, H.
- Waterpipe Tobacco Smoking: A Less Harmful Alternative?: Jawad, M.
- Electronic Cigarettes: The Issues behind the Moral Quandary: Vardavas, C.I.; Agaku, I.T.

Author Index / Subject Index

The easiest way to order: www.karger.com/prrer

Karger – Medical and Scientific Publishers
CH–4009 Basel, Switzerland
orders@karger.com, f: +41 61 306 12 34
www.karger.com
Reviews

22 Remodeling of Cerebral Microcirculation after Ischemia-Reperfusion
Lapi, D.; Colantuoni, A. (Naples)

32 The Contribution of Osteoprogenitor Cells to Arterial Stiffness and Hypertension
Piklidou, M.; Yavropoulou, M.; Antoniou, M.; Yovos, J. (Thessaloniki)

Research Papers

1 Elastin Organization in Pig and Cardiovascular Disease Patients’ Pericardial Resistance Arteries

12 Glycyrrhizin Attenuates Proinflammatory Cytokines through a Peroxisome Proliferator-Activated Receptor-γ-Dependent Mechanism and Experimental Vasospasm in a Rat Model
Chang, C.-Z.; Wu, S.-C.; Kwan, A.-L. (Kaohsiung)

41 Glucagon-Like Peptide-1 Receptor Activation Does Not Affect Re-Endothelialization but Reduces Intimal Hyperplasia via Direct Effects on Smooth Muscle Cells in a Nondiabetic Model of Arterial Injury

53 Inhibition of Glutathione S-Transferase by Ethacrynic Acid Augments Ischemia-Reperfusion Damage and Apoptosis and Attenuates the Positive Effect of Ischemic Postconditioning in a Bilateral Acute Hindlimb Ischemia Rat Model
Nagy, T.; Kovács, V.; Hardi, P.; Veres, T.G.; Takács, I.; Jancsó, G.; Sinay, L.; Fazekas, G.; Pintér, Ö.; Arató, E. (Pécs)

62 The Combination of Vascular Endothelial Growth Factor and Stromal Cell-Derived Factor Induces Superior Angiogenic Sprouting by Outgrowth Endothelial Cells
Anderson, E.M.; Mooney, D.J. (Cambridge, Mass.)

70 Conference Calendar