Folia Phoniatrica et Logopaedica

International Journal of Phoniatriics, Speech Therapy and Communication Pathology
Three BMA awards for Karger Publishers

We are delighted to announce that three Karger titles received ‘Highly Commended’ awards by the British Medical Association in their prestigious 2016 Medical Book Competition:

In the category 'Internal Medicine'

Tattooed Skin and Health
Editors: Serup, J. (Copenhagen); Kluger, N. (Helsinki); Bäumler, W. (Regensburg)
X + 258 p., 110 fig., 85 in color, 25 tab., hard cover, 2015
www.karger.com/cupde

Retinal Pharmacotherapeutics
Editors: Nguyen, Q.D. (Omaha, Nebr.); Rodrigues, E.B. (São Paulo); Farah, M.E. (São Paulo); Mieler, W.F. (Chicago, III.); Do, D.V. (Omaha, Nebr.)
XVI + 408 p., 83 fig., 71 in color, 33 tab., hard cover, 2016
www.karger.com/deoph

In the category 'Oncology'

Immuno-Oncology
Editors: Michielin, O.; Coukos, G. (Lausanne)
VI + 140 p., 8 fig., 5 in color, 11 tab., hard cover, 2015
www.karger.com/pritr

Karger titles which received awards in previous BMA Medical Book Competitions

Olszewski and Baxter’s Cytoarchitecture of the Human Brainstem
A. Behrens
J.A. Hraber (Editor)
A. K. Baxter
3rd, revised and expanded edition

Paediatric Bronchoscopy
R. Marschke
D. Frimmer (Editor)
A. K. Baxter
P. D. Schröder
12th edition

Macular Edema: A Practical Approach
Edited by
Gabriel Coen
corporate medical writer
Jani Condon, MA
www.karger.com
Folia Phoniatriaca et Logopaeodica

International Journal of Phoniatrics, Speech Therapy and Communication Pathology

Founded in 1947 by R. Luchsinger, M. Seeman and J. Tarneaud

Editor-in-Chief
G. Weismer, Madison, Wis.

IALP

President:
Lilly Cheng, San Diego, Calif.
lcheng@mail.sdsu.edu

Secretary:
Tamer Abou-Elsaad, Mansoura
taboelsaad@hotmail.com

Treasurer:
Brian Shulman, New York, N.Y.
brian.shulman@shu.edu

IALP Office
c/o Vanessa Borg, Birkerkara
office@ialp.info
www.ialp.info

Associate Editors

Dysphagia:
S. Doeltgen, Adelaide

Aphasia:
P. Paquier, Bruxelles

Pediatric Speech and Language:
K. van Lierde, Ghent
Y. Wren, Bristol

Motor Speech Disorders:
M. McAuliffe, Christchurch
H. Terband, Nijmegen

Audiology:
D.-E. Bamiou, London

Fluency:
H.G. Bosshardt, Bochum
C.T. Byrd, Austin, Tex.

Voice:
M.L. Ng, Hong Kong
E. Ma, Hong Kong
Funding Organizations (NIH etc.)
The U.S. National Institutes of Health (NIH) Public Access Policy mandates that accepted, peer-reviewed manuscripts are archived in its digital database, PubMed Central (PMC), within 12 months of the official publication date. As a service to authors, Karger submits NIH-funded articles to PMC on behalf of the authors immediately upon publication. The NIH assigns a PMCID within approximately 1 month and the manuscript will appear in PMC after a 12-month embargo. For authors making their paper Open Access through Author’s Choice, the embargo will be overridden, thereby accelerating the accessibility of the article. Karger also complies with other funders’ requirements (including Wellcome Trust and RCUK) for submission to PMC. Authors should include information on their grants in the Acknowledgements section of their papers.

Page Charges
There are no page charges for papers of 5 or fewer printed pages (including tables, illustrations and references). Each additional complete or partial page is charged to the author at CHF 325.00. The allotted size of a paper is equal to approx. 16 manuscript pages (double-spaced, A4, including tables, illustrations and references).

Proofs
Unless indicated otherwise, proofs are sent to the corresponding author and should be returned with the least possible delay. Alterations other than the correction of printer’s errors are charged to the author.

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.

‘A collection of extraordinary essays’

GOTTFRIED SCHATZ

A MATTER OF WONDER

What Biology Reveals about Us, Our World, and Our Dreams

Where do we come from? Is our destiny determined by the genes we inherit? In this book Gottfried Schatz, the world-renowned biochemist and co-discoverer of mitochondrial DNA, gives lucid – albeit often surprising – answers to universal questions and takes the reader on a fascinating journey of discovery across the boundaries of scientific disciplines. With passion and a keen sense of wonder he draws on philosophy, cultural history and art to formulate his reflections on the mysteries of life. These essays on key issues in the natural sciences will appeal not only to scientists but to all inquisitive minds, regardless of educational and professional background.

G. Schatz (Basel)
A Matter of Wonder
What Biology Reveals about Us, Our World, and Our Dreams
Translated by A. Shields
XII + 190 p., 2 color fig., hard cover, 2011
CHF 29.00 / EUR 27.00 / USD 29.00
ISBN 978-3-8055-9744-9

More information and sample essays at www.karger.com/schatz
Contents

See the journal website for contents
The fifth revised edition of this highly successful book presents the most extensive enhancement since Using and Understanding Medical Statistics was first published 30 years ago. Without question, the single greatest change has been the inclusion of source code, together with selected output, for the award-winning, open-source, statistical package known as R. This innovation has enabled the authors to de-emphasize formulae and calculations, and let software do all of the ‘heavy lifting’.

This edition also introduces readers to several graphical statistical tools, such as Q-Q plots to check normality, residual plots for multiple regression models, funnel plots to detect publication bias in a meta-analysis and Bland-Altman plots for assessing agreement in clinical measurements. New examples that better serve the expository goals have been added to a half-dozen chapters. In addition, there are new sections describing exact confidence bands for the Kaplan-Meier estimator, as well as negative binomial and zero-inflated Poisson regression models for over-dispersed count data.

The end result is not only an excellent introduction to medical statistics, but also an invaluable reference for every discerning reader of medical research literature.

Contents
Preface to the Fifth Edition
Prefaces to the Previous Editions
• Basic Concepts
• Tests of Significance
• Fisher’s Test for 2 × 2 Contingency Tables
• Approximate Significance Tests for Contingency Tables
• Some Warnings concerning 2 × 2 Tables
• Kaplan-Meier or ‘Actuarial’ Survival Curves
• The Log-Rank or Mantel-Haenszel Test for Comparing Survival Curves
• An Introduction to the Normal Distribution
• Analyzing Normally Distributed Data
• Linear Regression Models for Medical Data
• Binary Logistic Regression
• Regression Models for Count Data
• Proportional Hazards Regression
• The Analysis of Longitudinal Data
• Analysis of Variance
• Data Analysis
• The Question of Sample Size
• The Design of Clinical Trials
• Further Comments regarding Clinical Trials
• Meta-Analysis
• Epidemiological Applications
• Diagnostic Tests
• Agreement and Reliability

References
Subject Index

David E. Matthews
Vernon T. Farewell

Using and Understanding Medical Statistics
5th, revised and extended edition

Karger – Medical and Scientific Publishers
CH-4009 Basel, Switzerland
orders@karger.com, f: +41 61 306 12 34
www.karger.com
One of the core goals in phonetics and phonology is to understand the precise relationship between variable phonetic details and phonological representations. This special issue of ‘Phonetica’ comprises papers offering novel insights, each providing a substantial expansion upon a selected oral presentation given at Phonetics and Phonology in Iberia (PaPI; Lisbon 2013). Chapters present new data on and analyses of currently debated topics such as the nature of phonological representations, the principles of phonetic variation and sound change, and models of phonetic and phonological aspects of second language (L2) acquisition. The new material and insights brought forth in this topic issue make it indispensable reading for phonologists and phoneticians as well as specialists in language and cognition in general.

Contents

Introduction
• Phonologically Constrained Variability in L1 and L2 Production and Perception: Vigário, M.; Butler, J.; Cruz, M.

Original Papers
• Variable Phonological Rules and ‘Quantal’ Perception as a Source of Probabilistic Sound Change: The Case of Intervocalic Voicing in Old Tuscan: Canalis, S.
• From Reduction to Apocope: Final Poststressed Vowel Devoicing in Brazilian Portuguese: Meneses, F.; Albano, E.
• Portuguese Lexical Clusters and CVC Sequences in Speech Perception and Production: Cunha, C.
• Can Nonnative Speakers Reduce English Vowels in a Native-Like Fashion? Evidence from L1-Spanish L2-English Bilinguals: Rallo Fabra, L.
• Production and Perception of the /i/-/ı/ Vowel Contrast: The Case of L2-Dominant Early Learners of English: Casillas, J.V.

Author Index

The easiest way to order: www.karger.com/pho
Audiology and Neurotology provides a forum for the publication of the most-advanced and rigorous scientific research related to the basic science and clinical aspects of the auditory and vestibular system and diseases of the ear. This journal seeks submission of cutting edge research opening up new and innovative fields of study that may improve our understanding and treatment of patients with disorders of the auditory and vestibular systems, their central connections and their perception in the central nervous system.

In addition to original papers the journal also offers invited review articles on current topics written by leading experts in the field. The journal is of primary importance for all scientists and practitioners interested in audiology, otology and neurotology, auditory neurosciences and related disciplines.

Selected contributions
- A Systematic Review to Define the Speech and Language Benefit of Early (<12 Months) Pediatric Cochlear Implantation: Bruijnzeel, H.; Ziylan, F.; Stegeman, I.; Topsakal, V.; Grolman, W. (Utrecht)
- Cochlear Implants as a Treatment Option for Unilateral Hearing Loss, Severe Tinnitus and Hyperacusis: Ramos Macías, Á.; Falcón González, J.C. (Las Palmas); Manrique, M. (Pamplona); Morera, C. (Valencia); García-Ibáñez, L. (Barcelona); Cenjor, C. (Madrid); Coudert-Koall, C.; Killian, M. (Basel)
- Revisiting the Cochlear and Central Mechanisms of Tinnitus and Therapeutic Approaches: Noreña, A.J. (Marseille)
- Aging, Cognitive Load, Dementia and Hearing Loss: Martini, A.; Castiglione, A.; Bovo, R.; Vallesi, A.; Gabelli, C. (Padova)
- Importance of Binaural Hearing: Avan, P.; Giraudet, F. (Clermont-Ferrand); Büki, B. (Krems)

Audiology and Neurotology
Founded: 1996
Category: Basic Research
Fields of Interest: Audiology, Otorhinolaryngology

Listed in bibliographic services, including:
PubMed/MEDLINE, Google Scholar, Scopus, Embase

2017: Volume 22
6 issues per volume
Language: English
ISSN 1420–3030
e-ISSN 1421–9700

Impact Factor: 1.776

More information at www.karger.com/aud
Folia Phoniatrica et Logopaedica

Original Papers

53 Voice Range Profiles of Singing Students: The Effects of Training Duration and Institution
Lycke, H. (Leuven); Siupsinskiene, N. (Klaipeda)

60 Appropriateness of Using Autism Spectrum Disorders Screening Tools in a Hearing Evaluation Service
Machado, F.P.; Palladino, R.R.R.; Damasceno, L.L.; Cunha, M.C. (São Paulo)

67 Language Profile in Congenital Hypothyroid Children Receiving Replacement Therapy
Soliman, H.; Abdel Hady, A.F.; Abdel Hamid, A.; Mahmoud, H. (Cairo)

73 Preschoolers’ Performance on the Brazilian Adaptation of the Preschool Language Assessment Instrument – Second Edition
Lindau, T.A.; Rossi, N.F.; Giacheti, C.M. (Marília)

80 Effectiveness of the Language Intervention Programme for Preschool Children
Lousada, M. (Aveiro); Ramalho, M. (Évora); Marques, C. (Aveiro)

86 Factors Influencing Quality of Life Six Months after a First-Ever Ischemic Stroke: Focus on Thrombolized Patients

92 Language Development of Three- to Twelve-Year-Old Twins Compared to Singletons
D’haeseleer, E.; Geenens, E.; Parmentier, S.; Corthals, P. (Ghent); Van Lierde, K. (Ghent/Pretoria)

99 The Atlanta Motor Speech Disorders Corpus: Motivation, Development, and Utility
Laures-Gore, J.; Russell, S. (Atlanta, Ga.); Patel, R. (Boston, Mass.); Frankel, M. (Atlanta, Ga.)