Proceedings of the
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Medical Statistics has never been easier!

David E. Matthews
Vernon T. Farewell

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

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.

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2. To publish peer-reviewed articles of current international interest.

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International Journal of Experimental and Clinical Pharmacology

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Selected contributions
- Pharmacokinetics of Macitentan in Caucasian and Japanese Subjects: The Influence of Ethnicity and Sex: Bruderer, S. (Alichein); Marjason, J. (Herston, Qld.); Sidharta, P.N.; Dingemans, J. (Alichein)
- Effects of Interleukin-31 on MUC5AC Gene Expression in Nasal Allergic Inflammation: Shah, S.A.; Ishinaga, H.; Hou, B. (Tsu); Okano, M. (Okayama); Takeuchi, K. (Tsu)
- Statins in Low Doses Reduce VEGF and bFGF Serum Levels in Patients with Type 2 Diabetes Mellitus: Dworacka, M.; Krzyżagórska, E.; Wesołowska, A.; Borowska, M. (Poznan); Isakova, S. (Aktobe); Dworacki, G. (Poznan)
- Tetramethylpyrazine Analogue CXC195 Protects against Cerebral Ischemia/Reperfusion Injury in the Rat by an Antioxidant Action via Inhibition of NADPH Oxidase and iNOS Expression: Liu, H.; Wei, X.; Chen, L.; Liu, X.; Li, S.; Liu, X.; Zhang, X. (Jinan)
- O-Methylated Metabolite of 7,8-Dihydroxyflavone Activates TrkB Receptor and Displays Antidepressant Activity: Liu, X.; Qi, Q.; Xiao, G. (Atlanta, Ga.); Li, J.; Luo, H.R. (Boston, Mass.); Ye, K. (Atlanta, Ga.)
- Neuronal Mechanisms and the Treatment of Motion Sickness: Schmäl, F. (Greven)

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Selected contributions
- In vitro Anticancer Activity of Myricanone in Human Lung Adenocarcinoma A549 Cells: Dai, G.; Tong, Y.; Chen, X.; Ren, Z.; Yang, F. (Hangzhou)
- A Randomised Phase II Trial Comparing Docetaxel Plus Prednisone with Docetaxel Plus Prednisone Plus Low-Dose Cyclophosphamide in Castration-Resistant Prostate Cancer: Porsch, M. (Magdeburg); Ulrich, M. (Halberstadt); Wendler, J.J.; Lieb, U.-B.; Reiher, F. (Haldensleben); Janitzky, A.; Baun, M.; Schindele, D. (Magdeburg); Seseke, F. (Halle-Doelau); Lux, A.; Schostak, M. (Magdeburg)
- Protective Effects of Rosmarinic Acid on Doxorubicin-Induced Testicular Damage: Uyeturk, U.; Uyeturk, U.; Firat, T.; Cetinkaya, A.; Tekce, B.; Cakir, S. (Bolu)
- A New Equation for Estimating Glomerular Filtration Rate in Cancer Patients: Giglio, D. (Göteborg)
- Potentiation of the in vitro Antistaphylococcal Effect of Oxacillin and Tetracycline by the Anti-Inflammatory Drug Diacetyl Rhein: Nguon, S. (Phnom Penh/Prague); Novy, P.; Kokoska, L. (Prague)
- Addition of Taxane to Induction Therapy in Head and Neck Malignancies: A Systematic Review and Meta-Analysis of Randomized Controlled Trials: Perl, G.; Ben-Aharon, I.; Popovtzer, A.; Stemmer, S.M.; Vidal, L. (Petah Tikva)
Although laboratory and clinical cancer research need to be closely linked, observations at the basic level often remain removed from medical applications. This journal works to accelerate the translation of experimental results into the clinic, and back again into the laboratory for further investigation. The fundamental purpose of this effort is to advance clinically-relevant knowledge of cancer, and improve the outcome of prevention, diagnosis and treatment of malignant disease. The journal publishes significant clinical studies from cancer programs around the world, along with important translational laboratory findings, mini-reviews (invited and submitted) and in-depth discussions of evolving and controversial topics in the oncology arena. A unique feature of the journal is a section which focuses on rapid peer-review and subsequent publication of short reports of phase 1 and phase 2 clinical cancer trials, with a goal of insuring that high-quality clinical cancer research quickly enters the public domain, regardless of the trials ultimate conclusions regarding efficacy or toxicity.