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

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Farewell, V.T. (Cambridge)
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D. Chhieng, New Haven, Conn.

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</tr>
</thead>
<tbody>
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<td>Albanian Society of Cytology</td>
<td>Majlinda Buba Ikonomi</td>
</tr>
<tr>
<td>Sociedad Argentina de Citologia</td>
<td>Mercedes Gamboni</td>
</tr>
<tr>
<td>Australian Society of Cytology</td>
<td>Andrew S. Field</td>
</tr>
<tr>
<td>Société Belge de Cytologie Clinique/Belgische Vereniging voor Klinische Cytologie</td>
<td>Claire Bourgain</td>
</tr>
<tr>
<td>Sociedade Brasileira de Citopatologia</td>
<td>Álvaro Piazzeta Pinto</td>
</tr>
<tr>
<td>British Society for Cytopathology</td>
<td>Karin Denton</td>
</tr>
<tr>
<td>The Canadian Society of Cytology/Société Canadienne de Cytologie</td>
<td>Harmanjatinder S. Sekhon</td>
</tr>
<tr>
<td>Česká společnost pro klinickou cytologii</td>
<td>Jaroslava Dušková</td>
</tr>
<tr>
<td>Sociedad Chilena de Citología</td>
<td>Miguel Socías</td>
</tr>
<tr>
<td>Chinese Society of Cytopathology</td>
<td>Dongge Liu</td>
</tr>
<tr>
<td>Associacion Colombiana de Cytologia</td>
<td>Lilia M. Osorio Mejia de Gomez</td>
</tr>
<tr>
<td>Croatian Society for Clinical Cytology</td>
<td>Vesna Mahovlić</td>
</tr>
<tr>
<td>Danish Society of Pathologic Anatomy and Clinical Cytology</td>
<td>Doris Schledermann</td>
</tr>
<tr>
<td>Deutsche Gesellschaft für Zytologie</td>
<td>Dietmar Schmidt</td>
</tr>
<tr>
<td>Dutch Society of Pathology</td>
<td>Elle K.J. Risse</td>
</tr>
<tr>
<td>European Federation of Cytological Societies</td>
<td>Martin Tötsch</td>
</tr>
<tr>
<td>Sociedad Española de Citología</td>
<td>Mercedes Santamaria Martínez</td>
</tr>
<tr>
<td>Finnish Society of Clinical Cytology</td>
<td>Leena Krogerus</td>
</tr>
<tr>
<td>La Société Française de Cytologie Clinique</td>
<td>Marie-Cécile Vacher Lavenu</td>
</tr>
<tr>
<td>Hellenic Society of Clinical Cytology</td>
<td>Ekatreini Politi</td>
</tr>
<tr>
<td>Hong Kong Society of Cytology</td>
<td>Nancy Yuen</td>
</tr>
<tr>
<td>Magyar Patholougusok Tarsasaga-Cytodiagnosztikal Sectio</td>
<td>László Vass</td>
</tr>
<tr>
<td>Indian Academy of Cytologists</td>
<td>Manjula Jain</td>
</tr>
<tr>
<td>Iranian Society of Clinical Cytology</td>
<td>Mansour Mehzad</td>
</tr>
<tr>
<td>Società Italiana di Citologia</td>
<td>Patricia Maioli</td>
</tr>
<tr>
<td>Società Italiana di Anatomia Patologica Citodiagnostica</td>
<td>Sonia Prandi</td>
</tr>
<tr>
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<td>Nobuhiro Takeshima</td>
</tr>
<tr>
<td>Kazakhstan Association of Clinical Cytologists</td>
<td>Leyla B. Djansugurova</td>
</tr>
<tr>
<td>Korean Society for Cytopathology</td>
<td>Soon Won Hong</td>
</tr>
<tr>
<td>Sociedad Latino-Americana de Citología</td>
<td>José P. Schalper</td>
</tr>
<tr>
<td>Mexican Academy of Cytopathology</td>
<td>Oralia Barboza Quintana</td>
</tr>
<tr>
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<td>Peter N.G. Fitzgerald</td>
</tr>
<tr>
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</tr>
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</tr>
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<tr>
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<td>Carmen Alvarez-Santin</td>
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This high-yield reference book focuses on the clinical, technical, and pathological aspects of endobronchial ultrasound-guided transbronchial needle aspiration (EBUS-TBNA). Its reviews cover all aspects of EBUS-TBNA, including the clinical perspective, technical aspects of the procedure, and cytomorphology of common and uncommon entities, as well as highlights diagnostic challenges. Each chapter features a multitude of full-color high-resolution images and includes key references to the current literature in the field. Additionally, reference tables and informative figures highlight the salient points. The book is unique in that it is written by experienced thoracic surgeons, pulmonary medicine physicians, and cytopathologists who use EBUS-TBNA in a large medical center.

This publication is of interest to individuals learning and practicing cytopathology, in addition to clinicians practicing pulmonary/thoracic medicine or surgery. In short, it provides important pearls of wisdom to create a comprehensive reference for all physicians involved with EBUS-TBNA.
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 trial’s ultimate conclusions regarding efficacy or toxicity.

**Selected contributions**

- New Antiangiogenic Strategies beyond Inhibition of Vascular Endothelial Growth Factor with Special Focus on Axon Guidance Molecules: Pircher, A. (Innsbruck); Wellbrock, J.; Fiedler, W. (Hamburg); Heidegger, I.; Gunsilius, E.; Hilbe, W. (Innsbruck)
- Sequential Chemotherapies for Advanced Gastric Cancer: A Retrospective Analysis of 111 Patients: Elsing, C. (Dorsten); Hermann, C. (Heidelberg); Hannig, C.V. (Dorsten); Stremler, W.; Jäger, D. (Heidelberg); Hermann, T. (Idar-Oberstein)
- Rechallenge with mTOR Inhibitors in Metastatic Renal Cell Carcinoma Patients Who Progressed on Previous mTOR Inhibitor Therapy: Maj-Hes, A. (Vienna/Pan); Medioni, J.; Scothe, F. (Paris); Schmidinger, M.; Kramer, G. (Vienna); Combe, P.; Gomadha, Y.; Elaidi, R.; Oudard, S. (Paris)
- Cardiotoxicity and Cancer Therapy: Treatment-Related Cardiac Morbidity in Patients Presenting with Symptoms Suggestive of Heart or Lung Disease: Wieshammer, S. (Offenburg); Dreyhaupt, J. (Ulm); Müller, D.; Momm, F.; Jakob, A.; Freund, U. (Offenburg)
- Chemotherapy in Elderly Patients with Gynecological Cancer: Palaia, I.; Loprete, E.; Musella, A.; Marchetti, C.; Di Donato, V.; Bellati, F.; Benedetti Panici, P. (Rome)
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Fine Needle Aspiration

225 Diagnostic Frequency Ratios Are Insufficient to Measure Laboratory Precision with The Bethesda System for Reporting Thyroid Cytopathology
Fazeli, R.; Schneider, E.B.; Ali, S.Z.; Zeiger, M.A.; Olson, M.T. (Baltimore, Md.)

233 Application of the Bethesda System for Reporting Thyroid Cytopathology in the Eastern Province of Saudi Arabia: A Follow-Up Study
Alabdulqader, N.A.; Shareef, S.Q.; Ali, J.A.; Yousef, M.M.; Al-Abbadi, M.A. (Dammam)

239 A Pilot Study Evaluating Fine-Needle Aspiration Cytology of Clear-Cell Renal Cell Carcinoma: Comparison of Ancillary Immunocytochemistry and Cytomorphological Characteristics of SurePath™ Liquid-Based Preparations with Conventional Smears
Lee, C.H. (Seongnam); Chung, S.Y. (Busan); Moon, K.C.; Park, I.A.; Chung, Y.R.; Ryu, H.S. (Seoul)

248 Fine-Needle Aspiration Cytology of Metastatic Plasmacytoid Urothelial Carcinoma: Report of Four Cases Including a Case of Mixed Plasmacytoid and Micropapillary Morphology
Wu, H.H.; Kao, C.-S.; Grignon, D.J. (Indianapolis, Ind.)

253 Adequacy of Fine-Needle Aspiration Cytology for Breast Lesions: The SurePath® Liquid-Based Technique versus Conventional Smears
Eleutério Jr., J.; Aragão, A.; Cavalcante, D.I.M. (Fortaleza)

Gynecologic Cytopathology

258 Cytomorphometric and Morphological Analysis in Women with Trichomonas vaginalis Infection: Micronucleus Frequency in Exfoliated Cervical Epithelial Cells
Safi Oz, Z.; Doğan Gun, B.; Gun, M.O.; Ozdamar, S.O. (Zonguldak)

265 Retrospective Rescreening of Negative Cervical Cytopathology Samples Preceding Histologically Proven CIN2–3 and Squamous Cell Carcinoma: An Educational Opportunity to Understand and Prevent Laboratory Errors
Feoli, F.; Renard, C.; Abouyahia, M.; De Wind, R.; Larsimont, D.; Arbyn, M. (Brussels)

273 Critical Analyses of the Introduction of Liquid-Based Cytology in a Public Health Service of the State of São Paulo, Brazil

Techniques

278 Integrating a Web-Based Whole-Slide Imaging System and Online Questionnaires in a National Cytopathology Peer Comparison Educational Program in Taiwan

Novel Insights from Clinical Practice

284 Granulomatous Reaction to Pneumocystis jirovecii Diagnosed in a Bronchoalveolar Lavage: A Case Report
Nobile, A.; Valenti, A.; Aubert, J.-D.; Beigelman, C.; Letovanec, I.; Bongiovanni, M. (Lausanne)

264 Erratum

Cover illustration
High power view of a granuloma walling off Pneumocystis jirovecii organisms in a bronchoalveolar lavage (40x, Pap stain). From Nobile et al., pp. 284–288.