

# Essentials of Writing Biomedical Research Papers

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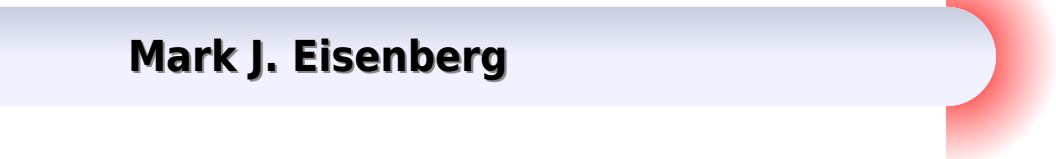
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# Essentials Of Writing Biomedical Research Papers

**Mark J. Eisenberg**



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**An Outline of Scientific Writing** Jen Tsi Yang, Janet N. Yang, 1995 This book is aimed at researchers who need to write clear and understandable manuscripts in English Today English is the official language of international conferences and most important publications in science and technology are written in English Therefore learning how to write in English has become part of the researcher's task The book begins by discussing constructs of the English language such as sentence structure and word use It then proceeds to discuss the style and convention used in scientific publications This book is written at such a level that the reader should not have to resort to a dictionary It includes many examples and exercises to clarify the rules and guidelines presented Topics covered in this book include word choice how to avoid redundancy sentence and paragraph structure the planning of a manuscript format nomenclature and style how to present attractive figures and tables references how to prepare a manuscript for publication submission to a journal and checking of proofs and some standard abbreviations and symbols

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Ethics in Research 9 Research Reporting 10 Experimental and Non experimental Research Designs 11 Analysis of Variance Study ANOVA Designs 12 Pilot Study in Research 13 Psychometric Properties of Tools 14 Qualitative Research 15 Survey Research Part 2 Statistics in Research 16 Descriptive and Inferential Statistics in Research 17 Hypothesis Testing 18 Non parametric and Parametric Tests 19 Correlation Regression and Multivariate Analysis 20 Interpretation of Statistics Part 3 Understanding and Publishing Research 21 Evidence based Physiotherapy 22 Research Proposal 23 Understanding a Research Article 24 Methodology in Research Article 25 Critical Appraisal Tools 26 Critical Appraisal of Clinical Trials 27 Systematic Review and Meta analysis 28 Journal Club Question Bank Further Reading Glossary Appendix Index

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essence of the article message That is the purpose of this book Writing Reading and Understanding in Modern Health Sciences Medical Articles and Other Forms of Communication will help the authors of medical articles communicate more effectively in today s practice and health research environment It explores the most effective practices for communicating using three main medical literature formats through scientific articles articles where the subject is not based on the practice of the scientific method and business reports Describing how to think beyond the prevailing IMRAD article format this book focuses on the nature content domains of thought and meanings of medical articles The ideas and underlying propositions in this book are complementary to specific requirements appropriate for each type of medical journal After reading this book you will better understand How to write what is considered the most important type of medical article the research based medical article How to write an evidence based argumentative medical article The challenges of clinical case reporting The general framework of medical and research ethics Classification of medical articles and their underlying studies from the causal standpoint Supplying you with the understanding required to write more effective medical articles the book includes details about essay type articles research based articles thesis as introduction sections definitions as part of the material and methods sections modern argumentation and critical thinking underlying results and their discussion and conclusions about them

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