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Nota di contenuto	Bayesian Methods and Ethics in a Clinical Trial Design; Contents; Preface; About the Authors; PART I MAJOR ISSUES; 1 Introduction; 2 Ethically Optimizing Clinical Trials; 3 Admissibility of Treatments; 4 Statistical Issues in the Analysis of Data Gathered in the New Designs; PART II TEST CASE: VERAPAMIL/NITROPRUSSIDE; 5 Introduction to the Verapamil/Nitroprusside Study; 6 The Mechanics of Conducting a Clinical Trial; 7 The Verapamil/Nitroprusside Study: Comments on ""The Mechanics of Conducting a Clinical Trial""; 8 Computational Aspects of the Verapamil/Nitroprusside Study; 9 Being an Expert 10 Issues of Statistical Design 11 Operational History and Procedural Feasibility; 12 Verapamil versus Nitroprusside: Results of the Clinical Trial I; 13 Verapamil versus Nitroprusside: Results of the Clinical Trial II; PART III OTHER ISSUES; 14 The Law of Clinical Testing with Human Subjects: Legal Implications of the New and Existing Methodologies; 15 Commentary I on ""The Law of Clinical Testing with Human Subjects""; 16 Commentary II on ""The Law of Clinical Testing with Human Subjects""; 17 Author's Response to Commentaries I and II 18 Whether to Participate in a Clinical Trial: The Patient's View PART IV EPILOGUE; 19 Epilogue; NAME INDEX; SUBJECT INDEX

Sommario/riassunto

How to conduct clinical trials in an ethical and scientifically responsible manner This book presents a methodology for clinical trials that produces improved health outcomes for patients while obtaining sound and unambiguous scientific data. It centers around a real-world test case--involving a treatment for hypertension after open heart surgery--and explains how to use Bayesian methods to accommodate both ethical and scientific imperatives. The book grew out of the direct involvement in the project by a diverse group of experts in medicine, statistics, philosophy, and the law.
