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Autore	Molenberghs Geert
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Descrizione fisica	1 online resource (528 p.)
Collana	Statistics in practice
Altri autori (Persone)	KenwardMichael G. <1956->
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Soggetti	Clinical trials - Statistical methods Missing observations (Statistics)
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Formato	Materiale a stampa
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Nota di contenuto	Missing Data in Clinical Studies; Contents; Preface; Acknowledgements; I Preliminaries; 1 Introduction; 1.1 From Imbalance to the Field of Missing Data Research; 1.2 Incomplete Data in Clinical Studies; 1.3 MAR, MNAR, and Sensitivity Analysis; 1.4 Outline of the Book; 2 Key Examples; 2.1 Introduction; 2.2 The Vorozole Study; 2.3 The Orthodontic Growth Data; 2.4 Mastitis in Dairy Cattle; 2.5 The Depression Trials; 2.6 The Fluvoxamine Trial; 2.7 The Toenail Data; 2.8 Age-Related Macular Degeneration Trial; 2.9 The Analgesic Trial; 2.10 The Slovenian Public Opinion Survey 3 Terminology and Framework3.1 Modelling Incompleteness; 3.2 Terminology; 3.3 Missing Data Frameworks; 3.4 Missing Data Mechanisms; 3.5 Ignorability; 3.6 Pattern-Mixture Models; Part II Classical Techniques and the Need for Modelling; 4 A Perspective on Simple Methods; 4.1 Introduction; 4.1.1 Measurement model; 4.1.2 Method for handling missingness; 4.2 Simple Methods; 4.2.1 Complete case analysis; 4.2.2 Imputation methods; 4.2.3 Last observation carried

forward; 4.3 Problems with Complete Case Analysis and Last Observation Carried Forward
 4.4 Using the Available Cases: a Frequentist versus a Likelihood Perspective
 4.4.1 A bivariate normal population; 4.4.2 An incomplete contingency table; 4.5 Intention to Treat; 4.6 Concluding Remarks; 5 Analysis of the Orthodontic Growth Data; 5.1 Introduction and Models; 5.2 The Original, Complete Data; 5.3 Direct Likelihood; 5.4 Comparison of Analyses; 5.5 Example SAS Code for Multivariate Linear Models; 5.6 Comparative Power under Different Covariance Structures; 5.7 Concluding Remarks; 6 Analysis of the Depression Trials; 6.1 View 1: Longitudinal Analysis
 6.2 Views 2a and 2b and All versus Two Treatment Arms
 III Missing at Random and Ignorability; 7 The Direct Likelihood Method; 7.1 Introduction; 7.2 Ignorable Analyses in Practice; 7.3 The Linear Mixed Model; 7.4 Analysis of the Toenail Data; 7.5 The Generalized Linear Mixed Model; 7.6 The Depression Trials; 7.7 The Analgesic Trial; 8 The Expectation-Maximization Algorithm; 8.1 Introduction; 8.2 The Algorithm; 8.2.1 The initial step; 8.2.2 The E step; 8.2.3 The M step; 8.3 Missing Information; 8.4 Rate of Convergence; 8.5 EM Acceleration; 8.6 Calculation of Precision Estimates
 8.7 A Simple Illustration
 8.8 Concluding Remarks; 9 Multiple Imputation; 9.1 Introduction; 9.2 The Basic Procedure; 9.3 Theoretical Justification; 9.4 Inference under Multiple Imputation; 9.5 Efficiency; 9.6 Making Proper Imputations; 9.7 Some Roles for Multiple Imputation; 9.8 Concluding Remarks; 10 Weighted Estimating Equations; 10.1 Introduction; 10.2 Inverse Probability Weighting; 10.3 Generalized Estimating Equations for Marginal Models; 10.3.1 Marginal models for non-normal data; 10.3.2 Generalized estimating equations; 10.3.3 A method based on linearization
 10.4 Weighted Generalized Estimating Equations

Sommario/riassunto

Missing Data in Clinical Studies provides a comprehensive account of the problems arising when data from clinical and related studies are incomplete, and presents the reader with approaches to effectively address them. The text provides a critique of conventional and simple methods before moving on to discuss more advanced approaches. The authors focus on practical and modeling concepts, providing an extensive set of case studies to illustrate the problems described. Provides a practical guide to the analysis of clinical trials and related studies with missing data. Examines

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Titolo	Hair and scalp treatments : a practical guide // edited by Antonella Tosti, Daniel Asz-Sigall, Rodrigo Pirmez
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ISBN	3-030-21555-5
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (xiii, 359 pages) : color illustrations
Disciplina	616.5 616.546
Soggetti	Hair - Diseases - Treatment Scalp - Diseases - Treatment Dermatology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. How to Best Confirm Diagnosis Before Starting Treatment -- Chapter 2. Intralesional Steroids: When and How to Inject? -- Chapter 3. Topical Immunotherapy: Step by Step -- Chapter 4. Regenerative Treatments (Microneedling, PRP) -- Chapter 5. Laser and Light-based Therapies in the Treatment of Hair Loss -- Chapter 6. What You Need to Know About Hair Transplantation -- Chapter 7. Role of Oral Supplements: When and How to Choose -- Chapter 8. Androgenetic Alopecia: Clinical Treatment -- Chapter 9. Alopecia Areata: Clinical Treatment -- Chapter 10. Telogen Effluvium -- Chapter 11. Scarring Alopecias -- Chapter 12. Seborrheic Dermatitis -- Chapter 13. Scalp Psoriasis -- Chapter 14. Infections and Infestations -- Chapter 15. Scalp Itch Treatment -- Chapter 16. Treatment in Children -- Chapter 17. How to Select a Good Shampoo and Conditioner -- Chapter 18. Camouflage, Extensions, and Electrical Devices to Improve Hair Volume -- Chapter 19. Hair Straightening and Hair Dyes: Facts and Controversies -- Chapter 20. How to Evaluate Treatment Response in Hair Diseases -- Chapter 21. The Most Common Patient Hair Questions and Answers -- Chapter 22. New Drugs for Alopecias.
Sommario/riassunto	Conditions of the hair and scalp can be genetic or the result of infection, hormone imbalance, medication, trauma, or underlying

primary disease. Regardless, they often cause significant psychological distress and sometimes physical discomfort, though much can be done to treat these complaints. *Hair and Scalp Treatments* focuses on therapy of hair and scalp disorders and includes chapters on procedures that are commonly used, as well as chapters on each specific disorders. Each chapter briefly describes the disease or the procedure to the reader and then teaches the step-by-step treatment algorithm or the way to perform the procedure. This book also discusses several topics that patients seeking treatment for hair disorders ask the physician, such as how to choose proper shampoo and conditioner, hair dyes, nutritional supplements, and future treatments with regenerative medicine. *Hair and Scalp Treatments* is the only book of its kind focused on treatment and addresses topics that are not covered by current titles on hair disorders. Written and edited by leading experts in the field, this practical guide can be used not only by dermatologists but by general practice and family physicians as well.
