

## Epidemiological Research Methods (1996)

Don McNeil

Publisher: John Wiley, Chichester

Price: £19.99

ISBN: 0-471-96196-5

The major part of the book is devoted to statistical methods used in modern epidemiology. However, despite the fact that the book is written by a statistician, it is not overloaded with formulae and could be useful to anyone involved in medical research or those willing to learn more about epidemiology. The book contains many examples and illustrations which makes reading and understanding easier.

The first chapter is about epidemiology and study design, which those not familiar with epidemiological principals and methods will find helpful. Then follows the description of basic statistical methods, measures of association such as odds ratio and relative risk, logistic regression

analysis, and a special chapter devoted to survival analysis.

The last chapter is aimed at helping researchers appreciate the importance of aspects of study design such as sample size calculation, which often receives too little attention from those planning studies.

The author explains the principles of meta-analyses, and again there are many examples illustrating these throughout the book.

This will be a useful reference text for individuals planning research studies or wishing to improve their critical appraisal of the orthodontic literature.

W. C. Shaw

## Integrated Orthodontic and Surgical Correction (Vol. II 1996)

Bruce N. Epker, John P. Stella and Leward C. Fish

Publisher: Mosby-Year Book Inc., St Louis, USA

Price: £90.00

ISBN: 0-8151-148-8

This extremely valuable book, Volume II of the second edition of *Craniofacial Deformities*, describes the correction of Class III and Class I anomalies. It covers extensively the different types of deformities, each to be distinguished from the other, according to the authors, primarily by the facial appearance and the different aesthetic features of each subject that must be critically assessed as part of the individual systematic facial evaluation. The chapters on Class III deformities describe the anomalies secondary to mandibular prognathism (10), to maxillary deficiency (11) and to a combination of the two deformities (12). Chapters 13 and 14 discuss the approach to Class III deformities with open bite and to Class III malocclusion associated with severe midface deficiencies requiring more extensive surgery. Each chapter describes the possible different procedures for the various deformities, with a

clear outline and details of treatment, including presurgical orthodontic treatment, immediate presurgical planning (cephalometric prediction tracing, model surgery and construction), orthognathic reconstructive surgery, possible postsurgical orthodontic treatment and a description of the factors affecting the long-term stability of the result. A step-by-step approach is applied to each procedure and the result of each is illustrated by a treated case. The orthodontic mechanics suggested refer mostly to the bioprogressive technique, but the principles described can be easily adapted to most techniques. Very clear illustrations and technical sketches describe the various surgical procedures. A list of references complements each chapter, even though the authors state that the book is not intended as a comprehensive reference source on dentofacial deformities, but rather as a guide and a textbook on treatment