

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

planning and techniques important for the successful integrated orthodontic surgical correction of anomalies. The value of the book lies in a very clear text, on its excellent illustrations (over 1200) and on the well-documented clinical cases presented. This book, expertly revised and updated since the first

edition, appears to be useful both to the surgeon and to the orthodontist. It would also seem to be a welcome and necessary addition to the library of all professionals dealing with craniofacial anomalies, to improve the quality of care delivered to individuals affected by these deformities.

Francesca Miotti

Practical Dentofacial Orthopedics (1996)

Frans P. G. M. van der Linden

Publisher: Quintessence Publishing Co. Ltd, London

Price: £80.00

ISBN: 1-85097-041-6

Volume 5 in van der Linden's series on the development of the dentition and dentofacial orthopaedics is an unusual orthodontic book. The 696 pages are divided into 40 chapters, each of which is, quite simply, a commented case report. The chapters consist of 2–5 pages of commentary and 10–15 pages of illustrations, and the descriptions are unusual in that, besides documenting the condition before and after treatment, they also do so for the condition 10–20 years after treatment. The chapters are arranged in increasing order of the complexity of the treatment, and there are drawings and explanations of various—mainly removable—appliances in the order in which they first appear in a case. The commentary on each patient starts with a brief clinical diagnosis without cephalometric evaluation or maturity assessment, but is otherwise presented in a fluent, rather expansive, lecturing style. The illustrative material consists mainly of facial photographs and photographs of study models from the various stages. For

some patients, though, there are cephalometric growth tracings of the changes due to treatment and growth. Most of the treatments were successful, but some were failures, particularly where the facial growth deviated from the average pattern. The quality of the illustrations is reasonable, but the presentation is somewhat flawed by growth tracing superimpositions which are not in agreement with basic knowledge of the surface modelling of the craniofacial skeletal structures.

In general, the book is remarkable for the extensive photographic illustration of the age changes of the face in the period 10–20 years after treatment was completed. This gives the reader a real visual impression of the gradual lowering of the facial soft tissues in relation to the skeletal base and the dental arches. The author deserves credit for sharing with us this unique longitudinal photographic material on facial development.

Beni Solow

An Introduction to Orthodontics (1996)

Laura Mitchell

Publisher: Oxford University Press, Oxford

Price: £35.00

ISBN: 0-19-262431-8

This new book by a well-respected author is, as the cover note describes, a good introduction to the current thinking and practice of ortho-

dontics. The 21 chapters begin with the Rationale for Orthodontic Treatment and a useful discussion on risk and cost benefit, two