

Book Reviews

Embryos, Genes and Birth Defects (1997)

Peter Thorogood (Ed.)

Publisher: John Wiley and Sons Limited, Chichester, Sussex, UK

Price: £39.95 (softback), £75.00 (hardback)

ISBN: 0-471-95565-5

The aim of this book is to 'bridge the gap between the medical disciplines of embryology and dysmorphology with current advances in cell, molecular and developmental biology research'. The book is made up of 15 chapters, each written by a different author, and can be arbitrarily divided into two sections. The first six chapters cover a number of modern research strategies, including methods of mapping syndromes to genes, positional cloning and analysis of loci implicated in birth defects, transgenic technology, chemical teratogens and the use of databases in dysmorphology. The second part of the book consists of nine chapters, each devoted to one organ system. The systems chosen (limb, gut and enteric system, head/face, heart, skin,

vertebral column, kidneys and teeth) are those where significant research progress has been made recently. Each chapter follows a common pattern and includes sections on normal and abnormal development, an agenda for the future and a comprehensive bibliography. Of particular interest to orthodontists will be the chapters on the head/face and teeth written by Peter Thorogood and Irma Thesleff respectively.

Does book fulfil the aims of the editor? Yes, and in a very readable and comprehensive style. This book is highly recommended to all those with an interest in birth defects, both from a clinical and research perspective.

Robert D. Evans

Orthodontic Management of the Dentition with the Preadjusted Appliance (1997)

John C. Bennett and Richard P. McLaughlin

Publisher: Isis Medical Media, Oxford, UK

Price: £159.00

ISBN: 1-899066-91-8

This book is a sequel to the authors' previous text, *Orthodontic Treatment Mechanics and the Preadjusted Appliance*, but otherwise is an entirely new and much expanded work laid out in a completely different format. As outlined in the preface, the authors felt that a different approach was required to present their considerable clinical experience. This was resolved in the innovative way of considering each tooth within the dentition and giving specific attention to the management of clinical implications arising from each tooth type in turn.

The book consists of 10 chapters and is

illustrated in detail with 12 case reports and 19 treatment sequences providing over 1000 colour pictures and on top of this several hundred line drawings within its 380 large-format pages. Each chapter starts with its own index and has an accompanying list of references.

The introductory chapter on the management of the dentition sets the overall scene, discussing the concept of the ideal, case diagnosis and treatment planning in terms of space requirements.

Chapter 2 describes the subtleties required in bracket positioning and explains the latest recommendations in a chart form for slight