

A Synopsis of Clinical Roentgenology – Bone Second Edition

P.L. Kogon, K.J. McLaughlin, P.J.W. Conway,
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P.L. Kogon, Toronto, 1986

175 pages; hard cover CND. \$60.00

Finally, an x-ray text that truly lives up to its title. "A Synopsis of Clinical Roentgenology – Bone" is a concise hardbound volume that is divided into nine distinct chapters. The chapters are organized into a logical sequential style commencing with Congenital, Anomalous Presentations of the Spine, Metabolic and Endocrine Diseases of Bone, The Osteochondroses, The Arthritides, Spinal Trauma, Infection of Bone, Benign Neoplasms of Bone, Malignant Neoplasms of Bone and culminating in Miscellaneous Skeletal Disorders.

Each chapter overviews a broad variety of conditions which may, as the preface suggests, reasonably be experienced in general practice. The information included features the salient pathophysiology, clinical and laboratory manifestations, classical roentgen appearances and suggested differential diagnostic considerations for each disorder. Interestingly enough, the authors have chosen to incorporate the contemporary Vancouver system of referencing throughout all areas of the text. Although the work is devoid of actual radiographic representations, it is liberally sprinkled with comprehensive charts, diagrams, and line illustrations to assist the readers in their appreciation of the content.

In a way, this x-ray book is unique in that the information flows easily allowing for rapid assimilation. The authors, who are pre-eminent in their field, have obviously grasped the need of both the student and field practitioner alike. This is not a book for your shelf but one that definitely belongs atop the right-hand side of your desk.

Mervyn G. Ritchey, DC, DACBR, FCCR

Sports Injuries

Their Prevention and Treatment
by, L. Peterson and P. Renstrom
Year Book Medical Publishers Inc.
Chicago, 1986
pp. 488/Color illus., \$68.00

This English translation of the Swedish text published in 1983, provides a knowledge base for the chiropractor who is interested in the treatment of athletic injuries. The authors claim to have written with the athlete, trainer, physical therapist and physician in mind. Unfortunately, they have simplified the content to facilitate even the lay readership and have in my opinion, sacrificed the integrity of scientific terminology.

The text is divided into nine chapters that encompass acute care, biomechanics of sports injuries, preventative measures, types of treatment, specific sports injuries and training techniques. The subject matter is well illustrated with color photographs and diagrams which complement the theme of sports injuries. The largest section is devoted

* Book Review editor, Dr. Z. Szaraz

to a description of specific sports injuries. This chapter is organized by body region (i.e. shoulder) and presents common injuries seen. Each presentation is subdivided into an introduction, signs and symptoms, diagnosis, treatment and complications. The introduction touches on the most common sports in which injury is observed, as well as a mechanism of injury. While this approach is easy to follow, the basic information offered lacks depth in many areas. The number of orthopaedic tests described is limited, and treatment descriptions are very general. The information for the doctor, while providing options, does not get specific as to braces to use, mobilization techniques or the type of operative care they might perform. The area of the knee, however, is covered well, offering orthopaedic examinations that are useful in formulating a diagnosis. The section on the back is very general and limited to twenty-one (21) pages – presumably because the authors feel back injuries in sports are not common.

The chapter on training of different parts of the body provides excellent exercises in the rehabilitation of athletes following injuries. Each exercise is supported with photographs which further aid in the understanding of how to perform them. There is, unfortunately, scant information on the use of muscle stimulation in the rehabilitation process. The text also provides beneficial information on and stresses the need for, warm up and flexibility exercises. The authors further emphasize the need for sports to be fun, especially when involving children who are beginning to develop athletic specialties earlier in life.

In summary, this text does not offer a detailed (in depth) description of diagnosing or treating athletic injuries. It does, however, provide a general overview of athletic injuries in an organized manner. The authors provide helpful hints of information on biomechanics, equipment needs and sizing of equipment, all of which are important in the prevention of athletic injuries. Further, the text offers excellent information on warming up and cooling down before and after competition as well as extremely useful exercises for the rehabilitation of the athlete.

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The Biomechanics of Trauma

A.M. Nahum & J. Melvin (editors)
Appleton – Century – Crofts, 1985. Available from
Gage Publishing in Toronto \$89.05 Cdn.

This hard cover book, on 475 pages, is devoted to a special area of biomechanics; the mechanism, treatment, and prevention of accidental trauma.

The text is divided into two parts. The first part deals with basic issues in biomechanics such as restraint systems, structural properties of human tissues and mathematical simulation of human structures. The second part considers the clinical and experimental aspects of injury to specific anatomical areas. Areas covered are head, face and facial bones, vertebral column, chest and extremities.

The book, with contributions from nearly thirty authors, covers trauma in a remarkably comprehensive manner. From statistical anal-

ysis of trauma, through mathematical models to clinical application. Diagnosis and treatment measures are given.

A useful reference text for students and clinicians alike with an interest in the mechanism of injury, accident prevention, injury reduction and trauma treatment.

Z.T. Szaraz, DC, FIACA

Chiropractic Spinography
A Manual of Technology and Interpretation
 Second Edition
 Roy W. Hildebrant
 Williams & Wilkins, Baltimore, 1985
 268 pp. \$34.00 U.S.

Chiropractic Spinology stands in a class by itself in its attempt to span the tradition of the chiropractic approach to radiology and bring it into a current perspective. The emphasis is on evaluating biomechanical irregularities while screening for pathology. Hildebrant suggests a more functional approach to spinographic interpretation

which considers the potential axes of movement when viewing the static film, using traditional chiropractic methods of analysis.

His approach is to use postural, weight-bearing full spine views, A-P and lateral, as a primary screening procedure to evaluate biomechanical irregularities unless a more specific examination is indicated by clinical findings. In rationalizing full spine postural views he quotes a U.S. Bureau of Radiological Health study which stated that there was significantly less radiation exposure with full spine views as compared to an examination of the same areas done with sectional views. Of course, the controversy is whether all areas need be exposed, even for a biomechanical evaluation.

In this second edition every chapter has been upgraded and revised. There is generous use made of illustrations, photographs and x-rays to simplify explanations and descriptions. So as to serve more completely as a primary core textbook chapters on x-rays physics, radiological technology and protection have been included as an introduction to these topics.

What makes this text uniquely chiropractic is the discussion of biomechanical disorders and their interpretation on a radiographic examination. However, Hildebrant does not present spinal subluxation as an absolute condition definitively diagnosed by x-ray evaluation

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but rather as a professional judgement based on both clinical and radiographic biomechanical findings.

The final chapter is devoted to spinographic measurement procedures. It is an instructional chapter on determining and interpreting the classic lines and angles in evaluating every aspect of the spine from sacrum to occiput. Included here is a comparison of the Risser-Ferguson and Cobb methods of measuring scoliosis.

Also new in the second edition is an appendix on the International System of Units. Here he discusses the history of the old and new system and includes several conversion tables.

Hildebrant's aim was to produce a basic text and reference manual that would present chiropractic spinography as a respectable radiological specialty in its own right.

In his attempt to compile this unique body of knowledge in a form that would allow critical review by the scientific community he has made liberal use of references throughout the text to substantiate the statements made.

The impressive lists of references at the end of each chapter read like a "Who's Who" compendium of physical therapy, drawing from chiropractic basic science and medical sources.

This text is a successful effort to standardize a traditional form of analysis and bring it into a current academic perspective. The format is both clear and concise and will serve to up-date the practitioner and initiate the student. I look forward to a third edition which might include a section on stress radiography.

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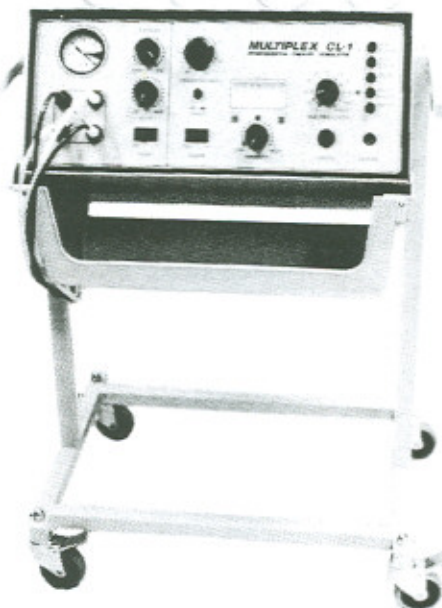
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