

SURGICAL RADIOLOGY

A COMPLEMENT IN RADIOLOGY AND IMAGING
TO THE SABISTON
DAVIS-CHRISTOPHER TEXTBOOK OF SURGERY

Volume III

Edited by

J. GEORGE TEPLICK, M.D., F.A.C.R.

Professor and Director, Division of General
Diagnosis, Department of Diagnostic Radiology,
Hahnemann Medical College and Hospital, Philadelphia

MARVIN E. HASKIN, M.D., F.A.C.R., F.A.C.P.

Professor and Chairman, Department of Diagnostic Radiology,
Hahnemann Medical College and Hospital, Philadelphia

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SURGICAL RADIOLOGY

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To
SELMA AND PAM

for their love, patience, and encouragement

CONTRIBUTORS

VOLUME III

J. M. ALLCOCK, M.D.

Formerly Professor of Radiology, University of Western Ontario. Formerly Radiologist, University Hospital, London, Ontario, Canada.

Neurosurgical Disorders: Spontaneous Intracranial Hemorrhage, Craniocerebral Injuries

JOHN A. BONAVIDA, M.D.

Assistant Professor of Radiology, University of Pennsylvania School of Medicine. Chief, Emergency Room, Department of Radiology, Hospital of the University of Pennsylvania, Philadelphia, Pennsylvania.

The Parathyroid Gland

MURRAY K. DALINKA, M.D.

Professor of Radiology, University of Pennsylvania School of Medicine. Chief, Department of Radiology (Bone Section), Hospital of the University of Pennsylvania, Philadelphia, Pennsylvania.

The Parathyroid Gland

KENNETH R. DAVIS, M.D.

Associate Professor, Harvard Medical School. Associate Radiologist and Director of Neuroradiology, Massachusetts General Hospital, Boston, Massachusetts.

Neurosurgical Disorders: Interventional Radiology of the Brain

JOHN L. DOPPMAN, M.D.

Chief, Diagnostic Radiology Department, National Institutes of Health, Bethesda, Maryland.

Medullary Carcinoma of the Thyroid

PHILIP J. DUBOIS, M.B.B.S., F.R.C.R., M.R.A.C.R.

Assistant Professor of Radiology, Duke University Medical Center, Durham, North Carolina.

Neurosurgical Disorders: Brain Tumors

J. SCOTT DUNBAR, M.D.

Professor of Radiology and Pediatrics, University of Cincinnati College of Medicine. Director, Division of Roentgenology, Children's Hospital Medical Center, Cincinnati, Ohio.

Pediatric Disorders: Disorders of the Gastrointestinal Tract and Abdomen

vi — CONTRIBUTORS

CHARLES J. FAGAN, M.D.

Professor of Radiology and Director of Special Imaging Section, Department of Radiology, University of Texas Medical Branch, Galveston, Texas.

Gynecologic Disorders

D. M. FORRESTER, M.D.

Staff, Arthritis and Rehabilitation Treatment Center, Los Angeles; Associate Professor, University of Southern California, Los Angeles. Attending Staff, White Memorial Harbor General Hospital, Long Beach Veterans Administration Hospital, Long Beach, California.

The Musculoskeletal System

LOUIS A. GILULA, M.D.

Associate Professor of Radiology, Washington University School of Medicine. Associate Radiologist, Barnes Hospital, St. Louis, Missouri.

Arthrography

CARLOS F. GONZÁLEZ, M.D.

Professor of Radiology, Loyola University Medical Center. Neuroradiologist, The Foster G. McGaw Hospital—Loyola University of Chicago and E. Hines Veterans Administration Hospital, Chicago, Illinois.

Neurosurgical Disorders: Intracranial Infections

ALEXANDER GOTTSCHALK, M.D.

Professor and Vice Chairman, Yale University School of Medicine, Department of Diagnostic Radiology. Professor and Vice Chairman, Department of Diagnostic Radiology, Section of Nuclear Medicine, Yale—New Haven Hospital, New Haven, Connecticut.

The Thyroid Gland

LEWIS GUMERMAN, M.D.

Professor of Radiology, University of Pittsburgh School of Medicine. Director, Department of Nuclear Medicine, Presbyterian—University and Magee Women's Hospitals, Pittsburgh, Pennsylvania.

The Adrenal Glands

BOKYUNG HAN, M.D.

Assistant Professor of Pediatrics and Radiology, University of Cincinnati College of Medicine. Staff Radiologist, Children's Hospital Medical Center, Division of Radiology; Attending Radiologist; Cincinnati General Hospital, Cincinnati, Ohio.

Pediatric Disorders: Disorders of the Gastrointestinal Tract and Abdomen

E. RALPH HEINZ, M.D.

Professor of Radiology (Neuroradiology), Duke University School of Medicine. Chief, Neuroradiology Section, Duke University Medical Center, Durham, North Carolina.

Neurosurgical Disorders: Congenital Abnormalities

JOHN R. HESSELINK, M.D.

Instructor of Radiology, Harvard Medical School. Assistant Radiologist, Massachusetts General Hospital, Boston, Massachusetts.

Neurosurgical Disorders: Interventional Radiology of the Brain

THEODORE ELIOT KEATS, M.D.

Professor and Chairman, Department of Radiology, University of Virginia School of Medicine. Staff, University of Virginia Medical Center, Charlottesville, Virginia.

The Mouth, Tongue, Jaws, and Salivary Glands

JAMES W. LECKY, M.D., F.A.C.R.

Professor of Radiology and Director of Postgraduate Education, Department of Radiology, University of Pittsburgh School of Medicine. Director, Section of Genitourinary Radiology, Presbyterian-University Hospital; Staff Radiologist, Presbyterian-University Hospital, Pittsburgh, Pennsylvania.

The Adrenal Glands

HARVEY L. LEVINE, M.D.

Associate Professor, University of Maryland School of Medicine. Neuroradiologist, University Hospital, Baltimore, Maryland.

The Pituitary Gland

GERALD A. MANDELL, M.D.

Associate Professor and Director of Pediatric Radiology, Hahnemann Medical College and Hospital, Philadelphia, Pennsylvania.

Pediatric Disorders: Pediatric Chest Disorders

WILLIAM A. MURPHY, M.D.

Associate Professor of Radiology, Washington University School of Medicine. Associate Radiologist, Barnes Hospital, St. Louis, Missouri.

Arthrography

ARNOLD M. NOYEK, M.D., F.R.C.S.(C), F.A.C.S.

Associate Professor of Otolaryngology and Radiology, University of Toronto. Staff Otolaryngologist, Mount Sinai Hospital and Sunnybrook Hospital; Staff Radiologist (Otolaryngology), Mount Sinai Hospital; Consultant, Radiology, Toronto General Hospital, Toronto, Canada.

The Radiologic Diagnosis of Surgical Disorders of the Ears, Nose, Paranasal Sinuses, Pharynx, and Larynx.

LOUIS S. PARVEY, M.D.

Associate Professor of Radiology, University of Tennessee Center for the Health Sciences. Associate Director, Department of Diagnostic Imaging, St. Jude's Children's Research Hospital, Memphis, Tennessee.

Pediatric Disorders: Genitourinary Disorders

ROBERT G. PEYSTER, M.D.

Assistant Professor of Radiology and Neurology. Director of Neuroradiology, Hahnemann Medical College and Hospital, Philadelphia, Pennsylvania.

Neurosurgical Disorders: Interventional Radiology of the Brain

HOWARD M. POLLACK, M.D.

Professor of Radiology and Urology, University of Pennsylvania School of Medicine. Staff, Department of Radiology, Hospital of the University of Pennsylvania, Philadelphia, Pennsylvania.

The Urinary System; The Male Genital System

KALMON D. POST, M.D.

Associate Professor, Tufts University School of Medicine. Staff Neurosurgeon, Tufts-New England Medical Center and Boston Veterans Administration Medical Center, Boston, Massachusetts.

The Pituitary Gland

ROCHELLE M. PUDLOWSKI, M.D.

Assistant Professor, Department of Radiology, University of Chicago, Chicago, Illinois.

Arthrography

JACK G. RABINOWITZ, M.D., F.A.C.R.

Professor and Chairman, Department of Radiology, Mount Sinai School of Medicine. Director of Radiology, Mount Sinai Hospital, New York, New York.

Pediatric Disorders: Genitourinary Disorders

E. J. RING, M.D.

Associate Professor of Radiology, University of Pennsylvania School of Medicine. Chief, Vascular Radiology Section, Department of Radiology, Hospital of the University of Pennsylvania, Philadelphia, Pennsylvania.

Interventional Radiology

FRANKLIN ROBINSON, M.D.

Clinical Professor of Surgery (Neurological) and Pathology, Yale University School of Medicine. Head of Section of Neurosurgery and Attending Neurosurgeon, Hospital of St. Raphael, Yale-New Haven Medical Center, New Haven, Connecticut.

Neurosurgical Disorders: The Spine

ARTHUR E. ROSENBAUM, M.D.

Professor of Radiology and Neuroradiologist-in-Chief, The Johns Hopkins Medical Institutions, Baltimore, Maryland.

Neurosurgical Disorders: Brain Tumors

W. FREDERICK SAMPLE, M.D.*

Formerly Associate Professor of Radiology and Director of Ultrasound, University of California School of Medicine, Los Angeles, California.

The Adrenal Glands

MELVYN H. SCHREIBER, M.D.

Professor and Chairman, Department of Radiology, University of Texas Medical Branch, Galveston, Texas.

Gynecologic Disorders

ROBERT SHAPIRO, M.D.

Clinical Professor of Radiology, Yale University School of Medicine. Chairman, Department of Radiology and Attending Radiologist, Hospital of St. Raphael, Yale-New Haven Medical Center, New Haven, Connecticut.

Neurosurgical Disorders: The Spine

THEODORE R. SIMON, M.D.

Assistant Professor, Department of Radiology, University of Texas Health Science Center at Dallas, Dallas, Texas.

The Thyroid Gland

RUTH EVELYN SNYDER, M.D.

Clinical Assistant Professor of Radiology, Cornell University Medical College. Senior Attending, Department of Diagnostic Radiology, Memorial Sloan-Kettering Cancer Center; Consultant, Department of Radiology, New York Infirmary, New York, New York.

The Breast

CHARLES JOHN TEGTMEYER, M.D.

Director of Angiography and Special Procedures; Professor of Radiology; Associate Professor of Anatomy, University of Virginia School of Medicine. Radiologist, University of Virginia Medical Center, Charlottesville, Virginia.

The Mouth, Tongue, Jaws, and Salivary Glands

*Deceased

MELVIN L. TURNER, D.O.

Assistant Professor of Radiology, Hospital of the University of Pennsylvania, Philadelphia, Pennsylvania.

The Parathyroid Gland

ROBERT A. ZIMMERMAN, M.D.

Associate Professor of Radiology, The University of Pennsylvania School of Medicine. Neuroradiologist, Hospital of the University of Pennsylvania, Philadelphia, Pennsylvania.

Neurosurgical Disorders: Intracranial Infections

JUDAH ZIZMOR, M.D., F.A.C.R.

Clinical Professor of Radiology, New York University Medical School. Director of Radiology, Manhattan Eye, Ear, Nose and Throat Hospital; Attending Radiologist, University Hospital; Attending Radiologist, Bellevue Hospital, New York, New York.

Radiologic Diagnosis of Surgical Disorders of the Ears, Nose, Paranasal Sinuses, Pharynx, and Larynx

FOREWORD

This new three-volume work on surgical radiology fills a much needed role and is a very welcome addition to this field. Drs. Teplick and Haskin are to be highly commended for their comprehensive approach to all aspects of radiologic diagnosis in surgical patients. These authors have been unusually thorough in their coverage of the entire field of surgery and have included each of the surgical specialties in this impressive undertaking.

In 1967 Teplick and Haskin met a pressing need with the introduction of a two-volume work designed as a radiologic companion to the Beeson-McDermott *Textbook of Medicine*. This innovative concept added much to the famous text with which it was to be jointly used. Carefully and exhaustively illustrated, these two volumes were extremely well received; a second edition was published in 1971, and a third edition appeared in 1976. The success of these editions is a matter of record, and it is easy to predict that the new surgical companion text will also be widely used and be rapidly recognized as a timely addition to the surgical armamentarium.

Since the discovery of x-rays by Roentgen in 1895, massive strides have been made in the field of radiology. A number of subspecialties have developed and now constitute an established part of this discipline. In the first volume of this series on surgical radiology, special emphasis has been placed upon the newer aspects of radioisotope techniques in surgical diagnosis, the role of ultrasound in surgical patients, and the expanding indications for the use of computerized tomography. Each of these sections is presented in a clear and concise manner with excellent illustrations. This extensive work by Teplick and Haskin emphasizes the expanding role of the radiologist not only in *diagnostic* but also in therapeutic procedures. The passage of a variety of catheters, needles, and tubes with the use of image intensification permits a multidimensional approach to the *treatment* of a number of specific disorders. Techniques that have proved highly effective in radiologic management include removal of gallstones; biopsy of pulmonary, mediastinal, and other masses; dilatation of stenotic lesions of the arterial system; control of massive hemorrhage by selective arteriography and perfusion of vasoconstrictors; direct embolization of bleeding sites; selective chemotherapeutic and embolic infusion of neoplasms; and a variety of additional procedures. Each of these serves as an example of the ever-increasing importance of the radiologic sciences to diagnosis and treatment in modern medicine.

There is little doubt that this three-volume series will be very favorably received by all members of the surgical and allied professions, and much praise is due the editors and contributors for this comprehensive and highly useful text.

DAVID C. SABISTON, JR.

PREFACE

These three volumes are designed to provide a single source of radiologic information related to surgical conditions. In addition to preoperative radiographic diagnosis, emphasis is placed on radiographic appearances following surgery and on radiographic findings associated with surgical complications.

In the main, this is planned to be a radiologic compendium for hospital practice, embracing knowledge unique to the hospital environment, including the emergency room, recovery room, and intensive care units. The emphasis, therefore, is quite different from that of the usual radiologic textbook. A recurring theme is comparative pre- and postoperative radiographic appearances, with appropriate attention to complications following surgery.

The explosive development of both newer techniques and the modalities of ultrasound, computed tomography, Chiba needle aspiration biopsy, and nuclear medicine has made closer cooperation between the clinician and the radiologist imperative for integrating the necessary imaging studies of surgical patients and those who are candidates for surgery. These modalities are discussed in detail and illustrated profusely throughout these volumes. In addition, special detailed sections on newer and updated imaging modalities precede the chapters on specific disorders in Volume I.

The general organization follows that of the Davis-Christopher *Textbook of Surgery*, edited by D. C. Sabiston, Jr., M.D. The numerous contributors to *Surgical Radiology* have been selected for their demonstrated interest and experience in subjects appropriate to the scope of these volumes.

Volume I comprises general abdominal conditions, including the acute abdomen and disorders of the gastrointestinal and biliary tracts, liver, pancreas, and spleen. Chapter 1 discusses radiographic considerations of the acute care unit. Contributions by 27 individual authors or collaborating groups and about 1800 illustrations are contained in Volume I.

Contained in Volume II are the disorders of the lungs, pleura, chest wall, mediastinum, heart, and entire vascular system. This volume concludes with a section discussing renal, hepatic, and cardiac transplantation.

Volume III includes endocrine, pediatric, head and neck, neurosurgical, musculoskeletal, breast, and genitourinary disorders. The increasingly important role of interventional radiology is discussed in a separate chapter.

Each volume contains a separate index, and a combined index of the three volumes appears in Volume III.

Surgical Radiology should prove a most useful addition to the armamentarium of the hospital radiologist, the clinician, and the surgeon as well as the entire resident staff.

We gratefully acknowledge the assistance and guidance of John Hanley, President of the W. B. Saunders Company. We would especially like to thank Mildred Strehle for her patience, graciousness, and many kindnesses. We are also grateful for Constance Burton's fine editorial assistance.

J. GEORGE TEPLICK, M.D.

MARVIN E. HASKIN, M.D.

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