

Davis-Christopher

TEXTBOOK OF SURGERY

**The Biological Basis of
Modern Surgical Practice**

SABISTON

11th Edition

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**The Biological Basis of
Modern Surgical Practice**

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DEDICATION

To medical students and residents, who
through their commitment, innovative thinking, and searching minds
continuously stimulate the entire profession to make
improvements in the diagnosis and management of the sick.

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PREFACE

It is astonishing with how little reading a doctor can practice medicine, but it is not astonishing how badly he may do it.

— Sir William Osle

In the eleventh edition of this text, continuing emphasis is placed upon the *biological* derangements which form the basis of disease. The fundamental roles of physiology, biochemistry, immunology, pharmacology, and pathology form the foundation for discussion in relation to the pathogenesis, clinical manifestations, diagnosis, and management of each disorder. While such an approach has obvious merit of its own, it is perhaps even more significant that the contemporary student with complete justification insists that these fundamental biological features form the basis of a modern text.

Recognizing the fact that readers clearly prefer contributors of recognized authority, this policy has been continued in the present edition such that the subject and author may be clearly identified. The annotated bibliography, introduced in the last edition, has been expanded with concise descriptions of the most important references in the literature. Renewed emphasis has also been placed upon *illustrations*, with the best of those available in the current literature being selected for reproduction.

A number of new chapters and subjects have been added, including surgical problems associated with diabetes mellitus; the acute care unit—monitoring of the surgical patient; medullary carcinoma of the thyroid and multiple endocrine neoplasias; the diagnosis and management of massive gastrointestinal bleeding by arteriography and vasoconstrictors; hemobilia; intestinal bypass for hypercholesterolemia and morbid obesity; and plastic procedures for augmentation and reduction of the breast. Dr. J. Leonard Goldner and associates have prepared new sections on the musculoskeletal system, including fractures and dislocations, amputations, infections and neoplasms of bone, and the hand. The coronary circulation has received additional emphasis in view of the large number of surgical procedures being performed for myocardial ischemia. A new section on pathological changes occurring in venous autografts has been added, and all aspects of the text have been thoroughly revised and updated. The chapter on "Fluid and Electrolyte Balance in Surgical Patients" has been rewritten in an exemplary manner by Shires, as has the chapter on "Principles of Preoperative Preparation of the Surgical Patient" by Polk.

Finally, it has been necessary in this edition to make a major policy decision in order that it continue both as a definitive textbook of surgery and as a reference source to meet the needs of medical students, residents, practicing surgeons, and teachers of surgery. This decision was clearly necessary in order to include the many advances which characterize modern scientific surgery.

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Disorders of Pulmonary Venous Return

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Subclavian Steal Syndrome

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Vascular Compression of the Duodenum

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Tumors of the Duodenum and Small Intestine

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Fractures of the Pelvis, Femur, and Knee

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Pyogenic Liver Abscess

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Polycythemia Vera

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Disorders of Pulmonary Venous Return

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Ulcerative Colitis

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Surgical Treatment of Pulmonary Tuberculosis

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Homeostasis: Bodily Changes in Trauma and Surgery

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Intestinal Bypass for Hyperlipidemia and Morbid Obesity

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Immunobiology and Immunotherapy of Neoplastic Disease

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Fat Embolism Syndrome

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Acquired Disorders of the Aortic Valve

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Carcinoma of the Gallbladder

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Ebstein's Anomaly

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Principles of Immunosuppression

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The Colon and Rectum

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Neurosurgical Relief of Pain; Neurosurgical Treatment of Epilepsy; Stereotactic Neurosurgery

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Extracorporeal Circulation

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Acquired Disorders of the Aortic Valve

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Hernias

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