YEAR BOOK®

YEAR BOOK OF MEDICINE® 1992

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The Year Book of MEDICINE®

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Journals Represented

Mosby—Year Book subscribes to and surveys nearly 900 U.S. and foreign medical and allied health journals. From these journals, the Editors select the articles to be abstracted. Journals represented in this Year Book are listed below.

Acta Endocrinologica

Alimentary Pharmacology and Therapeutics

American Journal of Cardiology

American Journal of Clinical Nutrition

American Journal of Hematology

American Journal of Hypertension

American Journal of Infection Control

American Journal of Kidney Diseases

American Journal of Medicine

American Journal of Obstetrics and Gynecology

American Journal of Physiology

American Journal of Roentgenology

American Journal of Surgery

American Review of Respiratory Disease

American Surgeon

Annals of Internal Medicine

Annals of Rheumatic Diseases

Annals of Thoracic Surgery

Antimicrobial Agents and Chemotherapy

Archives of Internal Medicine

Arteriosclerosis and Thrombosis

Arthritis and Rheumatism

Australian and New Zealand Journal of Medicine

Blood

British Heart Journal

British Journal of Dermatology

British Journal of Haematology

British Journal of Obstetrics and Gynaecology

British Journal of Radiology

British Medical Journal

Canadian Journal of Infectious Diseases

Cancer

Cell

Chest

Circulation

Clinical Endocrinology

Clinical Nephrology

Critical Care Medicine

Diabetic Medicine

Family Medicine

Fertility and Sterility

Gastroenterology

Gut

Hepatology

Hypertension

Infection Control and Hospital Epidemiology

International Journal of Cardiology

International Journal of Radiation, Oncology, Biology, and Physics

Investigative Radiology

Journal of Acquired Immune Deficiency Syndromes

Journal of Clinical Endocrinology and Metabolism

Journal of Clinical Investigation

Journal of Clinical Oncology

Journal of Clinical Pharmacology

Journal of Heart Transplantation

Journal of Hypertension

Journal of Infectious Diseases

Journal of Internal Medicine

Journal of Neurology, Neurosurgery and Psychiatry

Journal of Nuclear Medicine

Journal of Occupational Medicine

Journal of Rheumatology

Journal of Surgical Research

Journal of Thoracic and Cardiovascular Surgery

Journal of Trauma

Journal of the American College of Cardiology

Journal of the American Geriatrics Society

Journal of the American Medical Association

Journal of the American Society of Nephrology

Kidney International

Lancet

Mayo Clinic Proceedings

Medical Journal of Australia

Medicine

Modern Pathology

Nephron

New England Journal of Medicine

Obstetrics and Gynecology

Pain

Postgraduate Medical Journal

Presse Medicale

Proceedings of the National Academy of Sciences

Quarterly Journal of Medicine

Respiratory Medicine

Reviews of Infectious Diseases

S.A.M.J./S.A.M.T.-South African Medical Journal

Science

Seminars in Oncology

Southern Medical Journal

Surgery

Thorax

Transplantation

Urology

STANDARD ABBREVIATIONS

The following terms are abbreviated in this edition: acquired immunodeficiency syndrome (AIDS), central nervous system (CNS), cerebrospinal fluid (CSF), computed tomography (CT), electrocardiography (ECG), human immunodeficiency virus (HIV), and magnetic resonance (MR) imaging (MRI).

Publisher's Preface

Publication of the 1992 YEAR BOOK OF MEDICINE marks the end of an outstanding era of editorship by Eugene Braunwald, M.D. During his 19 years of editorship of the Cardiology section, Dr. Braunwald has provided YEAR BOOK readers with extremely discerning and informative literature selections and editorial commentary, and we, on our part, have been treated to a most enjoyable association. We extend our sincere thanks to him for the service he has provided and for his ever-present commitment to the YEAR BOOK OF MEDICINE.

We extend a warm welcome to Robert A. O'Rourke, M.D., Professor of Medicine and Director of Cardiology at the University of Texas Health Science Center at San Antonio. Formerly an Editor of the YEAR BOOK OF CARDIOLOGY, Dr. O'Rourke will assume responsibility for the Cardiology section of the YEAR BOOK OF MEDICINE beginning with the 1993 edition.

With this 1992 edition we also wish to welcome Roger C. Bone, M.D., Professor and Chairman of Medicine at Rush Presbyterian-St. Luke's Medical Center, as Editor of the Chest section. Dr. Bone's premier contribution to the YEAR BOOK is superb, and we look forward to his continuing participation on this YEAR BOOK's Board of Editors.

As Publishers, we feel challenged to seek ways of presenting complex information in a clear and readable manner. To this end the 1992 YEAR BOOK of MEDICINE now provides structured abstracts in which the various components of a study can easily be identified through headings. These headings are not the same in all abstracts but, rather, are those that most accurately designate the content of each particular journal article. We are confident that our readers will find the information contained in our abstracts to be more accessible than ever before. We welcome your comments.

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PART ONE INFECTIOUS DISEASES

DAVID E. ROGERS, M.D.



Introduction

We've just concluded our yearly "put the YEAR BOOK to bed" session in Nashville. I've indicated before what a privilege it is to work with Drs. William Schaffner and Allen Kaiser on this, but it is such a rare joy, I must keep repeating it. The trouble is that we've gotten so good at it that the intense time together goes too fast.

In the past two years my introduction has focused on AIDS. We've decided that it continues to merit top billing. It remains (and, alas, will probably continue to be) the major new microbial killer of people, particularly young people, that American physicians will confront for well into the 21st century.

Throughout much of 1991 my discouragement about how Americans were dealing with this plague grew steadily. We seemed to have "routinized" AIDS—tossed it onto the trash heap of other social problems like violence or drug use or poverty that we decried and bemoaned but seemed to lack the courage or the will to deal with aggressively. The death of Belinda Mason, our articulate, compassionate fellow National Commissioner, added to my gloom.

But toward the end of 1991 some things happened that make the next year look more encouraging. First, Magic Johnson's tragedy was turned around by the way he made his remarkable and courageous announcement of his HIV seropositivity as well as by his appointment to the National Commission on AIDS. Two groups whose attention has been hard to get—teenagers and the Afro-American community—are now looking at this disease more seriously.

Second, the President's historic hour-long meeting with both the Commission and his HSS senior staff to review where we stand in AIDS signals, we hope, that he himself will speak out more forthrightly, acknowledge the crisis, and help Americans deal more compassionately with those who have HIV infection.

Third, the new antiretroviral agents and their more sophisticated use are clearly prolonging the quality of life for those stricken with AIDS, and we are doing even better with the management of opportunistic infections in persons infected with HIV.

And, last, though still in the future, the chances of having a vaccine that might work are looking a little more promising. All of this is progress. We still need much more aggressive work on prevention and research on behavior and how to promote behavioral change. We still see too much discrimination added to the awful burden of this illness. We continue, in this rich nation, to have too many who can't get decent care—for "financial" reasons. But perhaps we are slowly moving in better directions to deal with the AIDS tragedy. I hope so.

David E. Rogers, M.D.