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Congress, Part D**

**RESEARCH AND
TREATMENT**

EDITORS: **Edwin A. Mirand
William B. Hutchinson
Enrico Mihich**

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RESEARCH AND TREATMENT

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Editors

Edwin A. Mirand

Roswell Park Memorial Institute
Buffalo, New York

William B. Hutchinson

Fred Hutchinson Cancer Research Center
Seattle, Washington

Enrico Mihich

Roswell Park Memorial Institute
Buffalo, New York

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**13th International
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RESEARCH AND TREATMENT

Contributors

Giorgio Arcangeli, Division of Radiation Therapy, Istituto Medico e di Ricerca Scientifica, Rome, Italy [217]

Hassan K. Awwad, Radiotherapy Department, National Cancer Institute, Cairo University, Cairo, Egypt [305]

Robert L. Baehner, Department of Pediatric Hematology/Oncology, James Whitcomb Riley Hospital for Children, Indiana University School of Medicine, Indianapolis, IN [179]

H. Abd El Baki, Radiotherapy Department, National Cancer Institute, Cairo University, Cairo, Egypt, [305]

Marcelle Bertrand, Department of Medical Oncology, City of Hope National Medical Center, Duarte, CA [329]

Haim I. Bicher, Western Tumor Medical Group, Hyperthermia Clinic, Valley Cancer Institute, Van Nuys, CA [235]

Baruch S. Blumberg, Institute for Cancer Research, Fox Chase Cancer Center, Philadelphia, PA; and University of Pennsylvania, Philadelphia, PA [77]

Erik Boijesen, Department of Diagnostic Radiology, University Hospital, Lund, Sweden [373]

Susan S. Bond, Life Sciences Department, Midwest Research Institute, Kansas City, MO [33]

John J. Bonica, Department of Anesthesiology, University of Washington, Seattle, WA [3]

C. Brechot, Unité de Recombinaison et Expression Génétique, Institut Pasteur, Paris, France [495]

W. Robert Bruce, Ludwig Institute for Cancer Research, Toronto Branch; and Department of Medical Biophysics, University of Toronto, Toronto, Ontario, Canada [131]

Joseph A. Buckwalter, Department of Orthopedics, University of Iowa School of Medicine, University of Iowa, Iowa City, IA [399]

J. Gregory Cairncross, Ontario Cancer Treatment and Research Foundation, London Clinic, London, Ontario, Canada [319]

Jacques Camonis, Institut du Cancer de Montréal, Centre Hospitalier Notre-Dame, Montréal, Québec, Canada [451]

Federico Caligaris Cappio, Istituto Medicina Interna, I Cattedra Patologia Speciale Medica, Università di Torino, Turin, Italy [431]

Stephen K. Carter, Northern California Cancer Program, Palo Alto, CA [279]

Ronald A. Castellino, Division of Diagnostic Radiology, Stanford University School of Medicine, Palo Alto, CA [365]

Joseph R. Castro, Radiotherapy Section, Department of Radiation Oncology, University of California Lawrence Berkeley Laboratory, Berkeley, CA [279]

The number in brackets is the opening page number of the contributor's article.

Devron Char, Department of Ophthalmology, University of California, San Francisco, CA [279]

George T.Y. Chen, Radiotherapy Section, Lawrence Berkeley Laboratory, Berkeley, CA [279]

Malcolm B. Clague, Nutritional Support Services, St. Luke's Episcopal Hospital; and M.D. Anderson Hospital and Tumor Institute, Houston, TX [161]

Thomas D. Coates, Department of Pediatric Hematology/Oncology, James Whitcomb Riley Hospital for Children, Indiana University School of Medicine, Indianapolis, IN [179]

Harvey Cohen, Life Sciences Department, Midwest Research Institute, Kansas City, MO [33]

J. Michael Collier, Radiotherapy Section, Lawrence Berkeley Laboratory, Berkeley, CA [279]

Mary R. Cook, Life Sciences Department, Midwest Research Institute, Kansas City, MO [33]

Charles W. Cummings, Department of Otolaryngology, University of Washington, Seattle, WA [407]

Franco De Conno, Division of Pain Therapy, Istituto Nazionale per lo Studio e la Cura dei Tumori, Milan, Italy [17]

A. Dejean, Unité de Recombinaison et Expression Génétique, Institut Pasteur, Paris, France [495]

Stanley Dische, Marie Curie Research Wing for Oncology, Regional Radiotherapy Center, Mount Vernon Hospital, Northwood, Middlesex, England [293]

J.B. Dubois, Department of Radiotherapy, Cancer Institute, Centre Paul Lamarque, Cliniques St. Eloi, Montpellier Cedex, France [171]

Stanley J. Dudrick, Nutritional Support Services, St. Luke's Episcopal Hospital; and M.D. Anderson Hospital and Tumor Institute, Houston, TX [161]

William Duncan, Department of Clinical Oncology, University of Edinburgh, Western General Hospital, Edinburgh, Scotland [261]

Horatio T. Enterline, Department(s) of Pathology and Laboratory Medicine, University of Pennsylvania School of Medicine, Philadelphia, PA [117]

H.I. Farag, Radiotherapy Department, National Cancer Institute, Cairo University, Cairo, Egypt [305]

Manlio Ferrarini, Cattedra Immunologia, Università di Genova, Genoa, Italy [431]

S.B. Field, MRC Cyclotron Unit, Hammersmith Hospital, London, England [195]

Gilbert H. Fletcher, Department of Radiotherapy, University of Texas System Cancer Center, M.D. Anderson Hospital and Tumor Institute, Houston, TX [267]

Robin Foa, Istituto Medicina Interna, I Cattedra Patologia Speciale Medica, Università di Torino, Turin, Italy [431]

Sophia S. Fotopoulos, Life Sciences Department, Midwest Research Institute, Kansas City, MO [33]

John F. Fowler, Gray Laboratory of the Cancer Research Campaign, Mount Vernon Hospital, Northwood, Middlesex, England [249]

Felice Gavosto, Istituto Medicina Interna, I Cattedra Patologia Speciale Medica, Università di Torino, Turin, Italy [431]

Mary Gerkovich, Life Sciences Department, Midwest Research Institute, Kansas City, MO [33]

Charles Graham, Life Sciences Department, Midwest Research Institute, Kansas City, MO [33]

Ranu Grewal-Bahl, Department of Radiation Oncology, Letterman Army Hospital, Presidio, San Francisco, CA [279]

Jay L. Grosfeld, Department of Pediatric Surgery, James Whitcomb Riley Hospital for Children, Indiana University School of Medicine, Indianapolis, IN [179]

M. Hadchouel, Unité de Recherche d'Hépatologie Infantile, Clinique Pédiatrique, Hôpital d'Enfants, Le Kremlin Bicêtre, France [495]

Frederick Hausheer, Department of Medicine, University of Missouri, Columbia, MO [347]

Günter Henze, Children's University Hospital; and Department of Pediatrics, University of West Berlin, West Berlin, Federal Republic of Germany [445]

David H. Hussey, Department of Radiotherapy, University of Texas System Cancer Center, M.D. Anderson Hospital and Tumor Institute, Houston, TX [267]

William B. Hutchinson, Fred Hutchinson Cancer Research Center, Seattle, WA [89]

Marian Isaacs, Department of Medicine, Memorial Sloan-Kettering Cancer Center, New York, NY [337]

Ole M. Jensen, Danish Cancer Registry, Copenhagen, Denmark [151]

H. Joyeux, Department of Nutrition and Cancer Surgery, Cancer Institute, Centre Paul Lamarque, Cliniques St. Eloi, Montpellier Cedex, France [171]

Henry S. Kaplan, Department of Radiology, Cancer Biology Research Laboratory, Stanford University School of Medicine, Stanford, CA [471]

Humphrey E.M. Kay, Department of Haematology, Institute of Cancer Research, London, United Kingdom [451]

Allegría Kessous, Institut du Cancer de Montréal, Centre Hospitalier Notre-Dame, Montréal, Québec, Canada [461]

Leonard Klein, Department of Medical Oncology, City of Hope National Medical Center, Duarte, CA [329]

Theodore Knapp, Life Sciences Department, Midwest Research Institute, Kansas City, MO [33]

Fritz Lampert, Children's University Hospital; and Department of Pediatrics, University of Giessen, Giessen, Federal Republic of Germany [445]

Hans Joachim Langermann, Children's University Hospital; and Department of Pediatrics, University of West Berlin, West Berlin, Federal Republic of Germany [445]

Károly Lapis, Institute of Pathology and Experimental Cancer Research, Semmelweis Medical University, Budapest, Hungary [67]

David L. Larson, Department of Head and Neck Surgery, University of Texas System Cancer Center, M.D. Anderson Hospital and Tumor Institute, Houston, TX [421]

John T. Lyman, Radiotherapy Section, Lawrence Berkeley Laboratory, Berkeley, CA [279]

Michael Mansour, Institut du Cancer de Montréal, Centre Hospitalier Notre-Dame, Montréal, Québec, Canada [461]

Moshe H. Maor, Department of Radiotherapy, University of Texas System Cancer Center, M.D. Anderson Hospital and Tumor Institute, Houston, TX [267]

Giampiero di Mayorca, Department of Microbiology, UMDNJ, New Jersey Medical School, Newark, NJ [485]

M. El Merzabani, Radiotherapy Department, National Cancer Institute, Cairo University, Cairo, Egypt [305]

Hanno Millesi, Department of Plastic and Reconstructive Surgery, 1st Surgical University Clinic, University of Vienna Medical School; and Ludwig Boltzmann Institute for Experimental Plastic Surgery, Vienna, Austria [387]

H. Abd El Moneim, Radiotherapy Department, National Cancer Institute, Cairo University, Cairo, Egypt [305]

W.P. Laird Myers, Department of Medicine, Memorial Sloan-Kettering Cancer Center, New York, NY [337]

Kyoichi Nakamura, Department of Pathology, Tsukuba University, Ibaraki, Japan; and Cancer Institute, Tokyo, Japan [107]

Guy R. Newell, Department of Cancer Prevention, The University of Texas System Cancer Center, M.D. Anderson Hospital and Tumor Institute, Houston, TX [141]

Joseph J. O'Donnell, Nutritional Support Services, St. Luke's Episcopal Hospital; and M.D. Anderson Hospital and Tumor Institute, Houston, TX [161]

S. Omar, Department of Surgery, National Cancer Institute, Cairo University, Cairo, Egypt [305]

J. Odo Op den Orth, Department of Radiology, St. Elisabeth's of Groote Gasthuis, Haarlem, The Netherlands [363]

Jens Overgaard, The Institute of Cancer Research, Radiumstationen, Aarhus C, Denmark [205]

Alan Pater, Department of Microbiology, UMDNJ, New Jersey Medical School, Newark, NJ [485]

Mary M. Pater, Department of Microbiology, UMDNJ, New Jersey Medical School, Newark, NJ [485]

Carlos A. Perez, Washington University School of Medicine; and Mallinckrodt Institute of Radiology, St. Louis, MO [329]

Theodore L. Phillips, Radiation Oncology, University of California School of Medicine, San Francisco, CA [279]

Enrico Pietrojusti, Division of Pain Therapy, Istituto Nazionale per lo Studio e la Cura dei Tumori, Milan, Italy [17]

C. Pourcel, Unité de Recombinaison et Expression Génétique, Institut Pasteur, Paris, France [495]

Noemi Prajda, Laboratory for Clinical Experimentation, National Institute of Oncology, Budapest, Hungary; and Laboratory for Experimental Oncology, Indiana University School of Medicine, Indianapolis, IN [79]

Cary A. Presant, Department of Medical Oncology, City of Hope National Medical Center, Duarte, CA; and Wilshire Oncology Medical Group, Inc., West Covina, CA [329]

Arthur J. Provisor, Department of Pediatric Hematology/Oncology, James Whitcomb Riley Hospital for Children, Indiana University School of Medicine, Indianapolis, IN [179]

H. Pujol, Department of Surgery, Cancer Institute, Centre Paul Lamarque, Cliniques St. Eloi, Montpellier Cedex, France [171]

William E. Rawls, Department of Pathology, McMaster University, Hamilton, Ontario, Canada [461]

Karyl A. Rickard, Departments of Pediatric Nutrition and Dietetics, James Whitcomb Riley Hospital for Children, Indiana University School of Medicine, Indianapolis, IN [179]

Hans-Jörg Riehm, Children's University Hospital; and Department of Pediatrics, University of West Berlin, West Berlin, Federal Republic of Germany [445]

Franco Rilke, Division of Pathology, Istituto Nazionale per lo Studio e la Cura dei Tumori, Milan, Italy [99]

Hubert L. Rosomoff, Department of Neurological Surgery, University of Miami, School of Medicine, Miami, FL [27]

William M. Saunders, Radiotherapy Section, Lawrence Berkeley Laboratory, Berkeley, CA [279]

Günther Schellong, Children's University Hospital; and Department of Pediatrics, University of Münster, Münster, Federal Republic of Germany [445]

J. Scotto, Unité de Recherche d'Hépatologie Infantile, Clinique Pédiatrique, Hôpital d'Enfants, Le Kremlin Bicêtre, France [495]

Rene Simard, Institut du Cancer de Montréal, Centre Hospitalier Notre-Dame, Montréal, Québec, Canada [461]

C. Solassol, Department of Nutrition and Cancer Surgery, Cancer Institute, Centre Paul Lamarque, Cliniques St. Eloi, Montpellier Cedex, France [171]

Haruo Sugano, Cancer Institute, Tokyo, Japan [107]

Marcello Tamburini, Division of Pain Therapy, Istituto Nazionale per lo Studio e la Cura dei Tumori, Milan, Italy [17]

P. Tiollais, Unité de Recombinaison et Expression Génétique, Institut Pasteur, Paris, France [495]

Cornelius A. Tobias, Biology and Medicine Division, Lawrence Berkeley Laboratory, Berkeley, CA [279]

Sun Tsung-tang, Department of Immunology, Cancer Institute, Chinese Academy of Medical Sciences, Beijing, China [57]

Vittorio Ventafridda, Division of Pain Therapy, Istituto Nazionale per lo Studio e la Cura dei Tumori, Milan, Italy [17]

Donald E. Wagner, Fred Hutchinson Cancer Research Center, Seattle, WA [89]

S. Wain-Hobson, Unité de Recombinaison et Expression Génétique, Institut Pasteur, Paris, France [495]

Robert M. Weetman, Department of Pediatric Hematology/Oncology, James Whitcomb Riley Hospital for Children, Indiana University School of Medicine, Indianapolis, IN [179]

Kay H. Woodruff, Radiotherapy Section, Lawrence Berkeley Laboratory, Berkeley, CA [279]

Huang Xing-yao, Department of Surgery, Qidong Cancer Institute, Qidong, Kiangsu, China [57]

J.W. Yarbrow, Department of Medicine, University of Missouri, Columbia, MO [347]

Foreword

The papers presented in the Plenary Lectures and the Congress Symposia at the 13th International Cancer Congress, September 8–15, 1982, Seattle, Washington, are included in these volumes. The United States was the official host of the Congress, which was held under the auspices of the International Union Against Cancer (UICC), and the Fred Hutchinson Cancer Research Center, Seattle, Washington was the host institution.

Dr. William B. Hutchinson of the Fred Hutchinson Cancer Research Center was the Congress President and Dr. Edwin A. Mirand of Roswell Park Memorial Institute, Buffalo, New York, was the Secretary-General.

The scientific program of the Congress contained over 4,000 presentations. The National Program Committee, chaired by Dr. Enrico Mihich of Roswell Park Memorial Institute, felt that it would be appropriate to include only the papers from the Plenary Lectures and the Congress Symposia to keep the number of volumes at a reasonable level. These papers are presented in five volumes.

Volume A — Final Report of the Secretary-General that includes the organizational details of the scientific program

— Plenary Lectures

Volumes B & C — Basic science topics in oncology

Volumes D & E — Clinical oncology topics

Since it would be impossible to cover all the areas of oncology presented at the Congress, by presenting the plenary and symposia sessions, we attempted to select the most rapidly advancing and promising areas of clinical and basic research. A good index of the growth in the field of oncology can be obtained by comparing the publications of this meeting with the last cancer congress publications (12th International Cancer Congress) held in Buenos Aires from October 5–10, 1978.

Looking over the topics covered herein, one can only marvel at the tremendous rate of progress and the increase in interest in oncology in the past four years. This reflects the developments in molecular biology as it relates to cancer viral and chemical carcinogenesis, in the design and evaluation of clinical trials, biological response modifiers, cancer nursing, psychosocial aspects of cancer, etc.

On behalf of the Congress officers, we wish to express our gratitude to the National Program Committee and to all the scientists, physicians, dentists, nurses, and other participants engaged in oncology who attended this Congress and who made it a success. I am sure that both the scientific and

social interchange which was experienced at the Seattle meeting will have a positive, lasting effect on our lives. We hope to see you at the 14th International Cancer Congress to be held in Budapest, Hungary in 1986 to further the scientific and social interaction.

The editors are deeply indebted to all the authors for their outstanding contributions to these volumes.

We wish to express thanks and appreciation to Catherine O'Leary, Lisa Barone, Linda Beverage, Kevin Craig, Ann M. Gannon, Ramon Melendez, Amy Mirand and Lucy Mirand, all of whom aided in various ways in the preparation of these volumes.

Finally, we wish to acknowledge the support of the National Cancer Institute, American Cancer Society, Pacific Northwest Regional Commission for their generous support of the 13th International Cancer Congress.

Edwin A. Mirand

Preface to Part D

What is the most effective treatment for liver cancer? Is nutritional debility a serious problem in cancer patients? What constitutes an “oncologic emergency?” What is the relationship between lifestyle and carcinogenesis? Has science detected any links between retroviruses and human leukemias? What new cancer treatments show the most promise?

As disparate and diverse as these issues may appear, they have been identified and addressed by clinical investigators worldwide. The link between the scientist and the public, the clinician plays the primary role in the development, assimilation, application, and dissemination of new information concerning cancer detection, diagnosis, treatment, management and cure. This volume highlights the work of these investigators. Emphasizing major advances made in clinical investigation and practice within the last decade, internationally renowned experts from many disciplines discuss their research and elucidate the implications this research has on the future direction of the cancer problem.

Edwin A. Mirand

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Multimodal Approach in Management of Cancer Pain.
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Controversies in the Use of Analgesics in the
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NY USA. (By Title Only)

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*Rosomoff, H. L., Miami, FL USA.

Cancer Pain: Evaluation of Electromyographic
and Electrodermal Feedback. *Fotopoulos, S. S.,
Cook, M. R., Graham, G., Gerkovich, M. M. and
Cohen, H., Kansas City, MO USA.

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