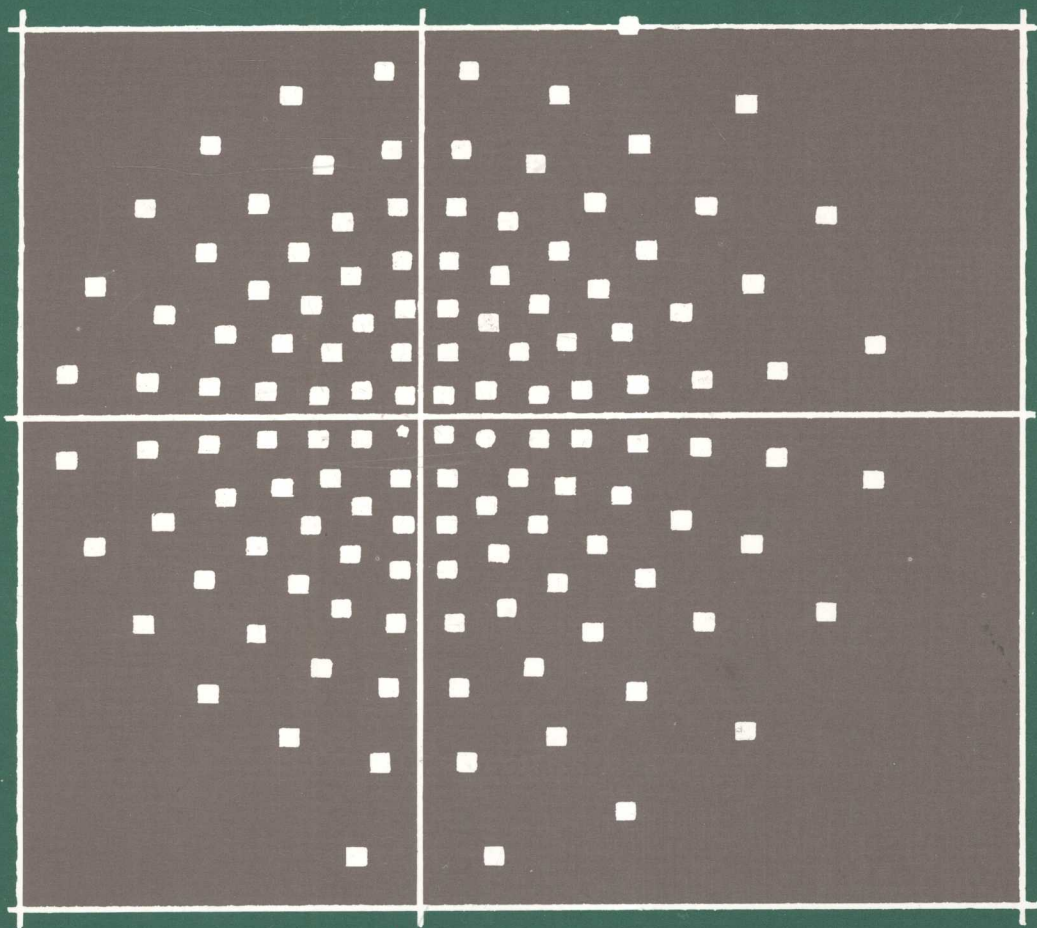


OPHTHALMIC CLINICAL DEBATES



THOMAS A. DEUTSCH

OPHTHALMIC CLINICAL DEBATES

NOT FOR RESALE

Thomas A. Deutsch, M.D.

Associate Professor of Ophthalmology
Rush Medical College
Program Director in Ophthalmology
Rush-Presbyterian-St. Luke's Medical Center
Chicago, Illinois



NOT FOR RESALE



YEAR BOOK MEDICAL PUBLISHERS, INC.
CHICAGO • LONDON • BOCA RATON

1-23 9K 404 TUN

Copyright © 1989 by Year Book Medical Publishers, Inc. All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means—electronic, mechanical, photocopying, recording, or otherwise—without prior written permission from the publisher. Printed in the United States of America.

1 2 3 4 5 6 7 8 9 0 C R 93 92 91 90 89

Library of Congress Cataloging-in-Publication Data

Ophthalmic clinical debates.

Includes bibliographies and index.

1. Eye—Diseases and defects—Case studies.

I. Deutsch, Thomas A. [DNLM: 1. Eye Diseases—therapy.

2. Ophthalmology—methods. 3. Vision Disorders—therapy. WW 100 0602]

RE69.064 1989

617.7

88-28055

ISBN 0-8151-2443-0

Sponsoring Editor: David K. Marshall

Associate Managing Editor, Manuscript Services: Deborah Thorp

Production Project Manager: Gayle Paprocki

Proofroom Manager: Shirley E. Taylor

CONTRIBUTORS _____

Richard L. Anderson, M.D.

*Professor of Ophthalmology
Director of Oculoplastic, Orbital, and Oncology
Services
Department of Ophthalmology
University of Utah Medical Center
Salt Lake City, Utah*

Norman E. Byer, M.D.

*Clinical Professor of Ophthalmology
School of Medicine
UCLA
Los Angeles, California*

Marshall N. Cyrilin, M.D.

*Assistant Clinical Professor
Michigan State University
Director, Glaucoma Service
Sinai Hospital
East Lansing, Michigan*

Chandler R. Dawson, M.D.

*Director, Francis I. Proctor Foundation for
Research in Ophthalmology
Professor of Ophthalmology
University of California at San Francisco
San Francisco, California*

Thomas A. Deutsch, M.D.

*Associate Professor of Ophthalmology
Rush Medical College
Program Director in Ophthalmology
Rush-Presbyterian-St. Luke's Medical Center
Chicago, Illinois*

Robert C. Drews, M.D.

*Professor of Clinical Ophthalmology
Washington University School of Medicine
St. Louis, Missouri*

Michael J. Elman, M.D.

*Assistant Professor of Ophthalmology
University of Maryland School of Medicine
The Johns Hopkins University School of
Medicine
Baltimore, Maryland*

Randy J. Epstein, M.D.

*Assistant Professor of Ophthalmology
Rush Medical College
Attending Physician
Rush-Presbyterian—St. Luke's Medical Center
Chicago, Illinois*

Marianne E. Feitl, M.D.

*Glaucoma Fellow
University of Pennsylvania
Scheie Eye Institute
Hospital of University of Pennsylvania
Philadelphia, Pennsylvania*

Eugene R. Folk, M.D.

*Professor of Ophthalmology
University of Illinois College of Medicine
Attending Ophthalmologist
University of Illinois Eye and Ear Infirmary
University of Illinois at Chicago
Chicago, Illinois*

Bartley R. Frueh, M.D.

*Professor of Ophthalmology
Director of Eye Plastic and Orbital Surgery
The University of Michigan
W. K. Kellogg Eye Center
Ann Arbor, Michigan*

David J. Fuerst, M.D.

Director, Cornea and External Disease
Service
White Memorial Medical Center
Los Angeles, California

Bruce R. Garretson, M.D.

Assistant Professor
University of Illinois Eye and Ear Infirmary
University of Illinois at Chicago
Chicago, Illinois

James Goodwin, M.D.

Director, Neuro-ophthalmology Service
Associate Professor of Clinical
Ophthalmology and Neurology
University of Illinois Eye and Ear Infirmary
University of Illinois at Chicago
Chicago, Illinois

David L. Guyton, M.D.

Associate Professor of Ophthalmology
The Johns Hopkins University School of
Medicine
Baltimore, Maryland

John B. Holds, M.D.

Clinical Instructor
Fellow in Oculoplastic, Orbital, and
Oncologic Surgery
Department of Ophthalmology
University of Utah
Salt Lake City, Utah

Norman S. Jaffe, M.D.

Clinical Professor of Ophthalmology
Bascom Palmer Eye Institute
University of Miami School of Medicine
Miami, Florida

Frederick A. Jakobiec, M.D.

*Professor of Clinical Ophthalmology and
Clinical Pathology
Columbia University College of Physicians
and Surgeons
Chairman, Department of Ophthalmology
Director of Laboratories
Manhattan Eye, Ear and Throat Hospital
New York City, New York*

Henry J. Kaplan, M.D.

*Professor and Chairman
Department of Ophthalmology
Washington University School of Medicine
Chief of Service
Barnes Hospital
St. Louis, Missouri*

Ronald V. Keech, M.D.

*Assistant Professor of Ophthalmology
University of Iowa
University of Iowa Hospitals and Clinics
Iowa City, Iowa*

Lanning B. Kline, M.D.

*Associate Professor of Clinical
Ophthalmology, Neurology, and
Neurosurgery
Combined Program in Ophthalmology
Department of Ophthalmology
Eye Foundation Hospital
University of Alabama School of Medicine
Birmingham, Alabama*

Manus C. Kraff, M.D.

*Clinical Professor of Ophthalmology
University of Illinois at Chicago
Chicago, Illinois*

Theodore Krupin, M.D.

Professor, University of Pennsylvania
Scheie Eye Institute
Chief, Glaucoma Service
University of Pennsylvania Medical Center
Philadelphia, Pennsylvania

Marc F. Lieberman, M.D.

Assistant Professor of Ophthalmology
Stanford University School of Medicine
Director of Glaucoma Service
Stanford University Hospital
Palo Alto Veterans Administration Hospital
Stanford, California

David K. Linn, M.D., Ph.D.

Glaucoma Fellow
University of Louisville
Louisville, Kentucky

**Timothy T. McMahon, O.D.,
F.A.A.O.**

Assistant Professor of Optometry
University of Illinois College of Medicine at
Chicago
Director, Contact Lens Service
University of Illinois Hospital
Chicago, Illinois

Benjamin Milder, M.D.

Professor of Clinical Ophthalmology
Washington University School of Medicine
Washington University Hospitals
St. Louis, Missouri

Robert A. Nozik, M.D. (A.B.)

Clinical Professor of Ophthalmology
Department of Ophthalmology
University of California at San Francisco
Research Ophthalmologist
Proctor Foundation
San Francisco, California

Robert B. Nussenblatt, M.D.

*Clinical Director
National Eye Institute
National Institutes of Health
Bethesda, Maryland*

R. Joseph Olk, M.D.

*Assistant Professor of Clinical
Ophthalmology
Washington University School of Medicine
Staff Ophthalmologist
Barnes Hospital
St. Louis, Missouri*

David H. Orth, M.D.

*Associate Professor
Department of Ophthalmology
Rush-Presbyterian–St. Luke's Medical Center
Director, Retinal Vascular Department
Ingalls Memorial Hospital
Chicago, Illinois*

David J. Palmer, M.D.

*Assistant Professor of Ophthalmology
Rush Medical College
Clinical Instructor of Ophthalmology
University of Chicago Pritzker School of
Medicine
Michael Reese Hospital and Medical Center
Chicago, Illinois*

Stephen C. Pollock, M.D.

*Assistant Professor of Ophthalmology
Duke University Eye Center
Duke University
Durham, North Carolina*

Carmen A. Puliafito, M.D.

*Assistant Professor of Ophthalmology
Harvard Medical School
Assistant Professor
Division of Health Sciences and Technology
Massachusetts Institute of Technology
Director, Morse Laser Center
Massachusetts Eye and Ear Infirmary
Boston, Massachusetts*

Jeffery B. Robin, M.D.

*Associate Professor of Ophthalmology
Co-Director of Cornea and External Disease
Service
University of Illinois at Chicago
Chicago, Illinois*

I Rand Rodgers, M.D.

*Fellow, Manhattan Eye, Ear and Throat
Hospital
New York City, New York*

Paul E. Romano, M.D.

*Professor of Ophthalmology and Pediatrics
Department of Ophthalmology and Pediatrics
University of Florida College of Medicine
Director, Pediatric Ophthalmology and
Ocular Motility
Shands Hospital
Gainesville, Florida*

Jonathan B. Rubenstein, M.D.

*Assistant Professor of Ophthalmology
Rush Medical College
Attending Physician
Rush-Presbyterian—St. Luke's Medical Center
Chicago, Illinois*

Jon M. Ruderman, M.D.

Assistant Professor
Northwestern Medical School
Chief of Glaucoma Services
Northwestern Memorial Hospital
Chicago, Illinois

Peter J. Savino, M.D.

Professor of Ophthalmology
Thomas Jefferson University Hospital
Director, Neuro-Ophthalmology
Wills Eye Hospital
Clinical Professor of Ophthalmology
University of Pennsylvania
Philadelphia, Pennsylvania

Howard Schatz, M.D.

Clinical Professor of Ophthalmology
University of California at San Francisco
Director, Retina Research Fund of St. Mary's
Hospital and Medical Center
San Francisco, California

William E. Scott, M.D.

Professor, University of Iowa School of
Medicine
Director of Pediatric Ophthalmology
University of Iowa Hospitals and Clinics
Iowa City, Iowa

Robert M. Sinskey, M.D.

Associate Professor of Ophthalmology
UCLA
St. John's Hospital and Health Center
Los Angeles, California

Ronald E. Smith, M.D.

Professor of Ophthalmology
University of Southern California
Estelle Doheny Eye Institute
Los Angeles, California

Howard H. Tessler, M.D.

*Associate Professor of Clinical
Ophthalmology
University of Illinois at Chicago
Chicago, Illinois*

**Richard C. Troutman, M.D.,
F.A.C.S.**

*Clinical Professor of Ophthalmology
Professor Emeritus
Cornell Medical College
New York City, New York*

Robert S. Weinberg, M.D.

*Associate Professor of Ophthalmology
Virginia Commonwealth University
Medical College of Virginia
Director, Uveitis Service
Director, Cornea and External Disease
Service
Medical College of Virginia
Richmond, Virginia*

Robert N. Weinreb, M.D.

*Professor and Vice Chairman
Department of Ophthalmology
University of California at San Diego
La Jolla, California*

Kirk R. Wilhelmus, M.D.

*Associate Professor
Department of Ophthalmology
Cullen Eye Institute
Baylor College of Medicine
Houston, Texas*

Lawrence A. Yannuzzi, M.D.

*Associate Professor Clinical Ophthalmology
Columbia University Medical School
Surgeon Director Ophthalmology
Director of Retinal Services
Manhattan Eye, Ear and Throat Hospital
New York City, New York*

Thom J. Zimmerman, M.D., Ph.D.

Professor and Chairman

Department of Ophthalmology

Professor of Pharmacology and Toxicology

University of Louisville School of Medicine

Louisville, Kentucky

FOREWORD

*When we risk no contradiction,
It prompts the tongue to deal in fiction.*

John Gay

Thomas Deutsch has produced a fine book that covers contemporary issues in a comprehensive and fascinating fashion. The format stimulates thought and, one can be certain, discussion. Rather than chapters, the book consists of "cases" that have been cleverly chosen to represent the major therapeutic challenges we all face today. With each case presentation, Dr. Deutsch provides us with a fine summary of the problems and the solutions promulgated by his two or more experts. He has chosen his contributors well and they are all comfortable with their respective points of view. This splendid format provides us with interesting debate and a wealth of information.

Our science continues to progress by "exponential" leaps, while most of us cope best with "linear" progression. Rapid change is bound to bring controversy, as practitioners explore new ways of doing things that a few short years ago could only have been imagined. It is thus appropriate that the editor of this splendid text utilizes the debate format. Such a risky undertaking, however, necessitates a bringing together of the best our specialty has to offer. This task was not easy for our editor, but he has accomplished it in grand fashion. Dr. Deutsch has assembled a stellar group of clinicians and surgeons who describe their approaches to specific problems in patient management. The editor has wisely chosen cases that represent a broad range of clinical problems. The two approaches invariably provide information that is both concise and yet complete. The summary, however, is the strength of the problem-oriented text, for it directs us to the controversy and whets our appetite for the debate and final understanding.

We should “decide all controversies by infallible artillery” but suffice to say, we cannot. The cannoneers are too strong and the battlefield mined with the idiosyncrasies of a multitude of diseases. Dr. Deutsch, however, plays the Greek god and sets in motion the giants of our specialty. Under his careful direction, they grapple with the problems we all face daily in our offices and hospitals. The result, while perhaps frustrating to some who would have but one answer to the most complex of problems, is like a breath of fresh air to those who would think, and work, and move with confidence into the next century. Dr. Deutsch, we who are certain of only one thing, that the future holds change and that our patients will best benefit from fair and honest debate, salute you and your fine chronicle.

J. Terry Ernest, M.D., Ph.D.
Professor and Chairman
Department of Ophthalmology and Visual
Science
University of Chicago
Adjunct Professor of Ophthalmology
University of Illinois at Chicago
Chicago, Illinois

PREFACE

Each of us, in the course of everyday practice, is confronted by clinical situations that make us wonder what the “experts” would do. This book is intended to address those questions by providing two different viewpoints to the management of a series of clinical problems.

Because of the unusual format presented in this book, it will be helpful to understand the way in which it was constructed. As the editor, I chose the topics to be covered, wrote the case reports, invited the contributors, and produced the summary that appears with each case. All of these cases are common problems, in most instances derived from my own experience or practice.

Each contributor was invited to write about a specific case and was given some guidelines with respect to the approach I wished him to take. No contributor was given the identity of the other individual responding to that case, nor the guidelines that were given to the other contributor. For purposes of generating a debate, contributors were asked to stick to the guidelines as much as possible. Many of these “debates” were manufactured for the purpose of making interesting reading, and to give the reader more opinions to choose from. Therefore, as would be expected, in some cases the experts disagreed while in others they agreed so thoroughly that there was no actual debate. In each case, however, we do have two approaches.

The inclusion of many authors means that many writing styles, as well as many management approaches, are found in this book. We purposely have not tried to “smooth” the styles by heavily editing the submissions. In most cases you will read the opinions exactly as they arrived, as though you had called the expert on the telephone to solicit advice.

These cases are a potpourri of common ocular problems. It is hoped that these *Ophthalmic Clinical Debates* will be of interest and help to those at all levels of training and practice.

Thomas A. Deutsch, M.D.