

# ADVANCES IN

## Ophthalmology and Optometry

### **Editor-in-Chief**

---

MYRON YANOFF, MD, Chair Emeritus, Department of Ophthalmology, Drexel University, Adjunct Professor, Department of Ophthalmology, University of Pennsylvania, Philadelphia, Pennsylvania

### **Section Editors**

---

BHAVNA CHAWLA, MD – Ophthalmic Pathology & Ocular Oncology  
RP Center for Ophthalmic Sciences, All India Institute of Medical Sciences, New Delhi, India

DAVID A. CRANDALL, MD – Cataract & Refractive Surgery  
Glaucoma Fellowship Director, Henry Ford Health System, Detroit, Michigan  
University of Utah, Salt Lake City, Wayne State University, Salt Lake City, Utah

GABRIELA MABEL ESPINOZA, MD – Oculoplastics  
Clinical Professor, Department of Ophthalmology Ophthalmic Plastic and Reconstructive Surgery Assistant Dean of Educational Programming, Graduate Medical Education Saint Louis University School of Medicine

PAUL B. FREEMAN, OD, FAAO, FCOVD – Optometry  
Diplomate, Low Vision, Pittsburgh, Pennsylvania, Clinical Professor, Rosenberg School of Optometry, University of the Incarnate, Word, San Antonio, Texas

RUSTUM KARANJIA, MD, PhD, FRCSC, DABO – Neuro-ophthalmology  
Department of Ophthalmology, David Geffen School of Medicine at UCLA, Los Angeles, California; Doheny Eye Institute, Los Angeles, California, Doheny Eye Institute, Los Angeles, California, Department of Ophthalmology, University of Ottawa, Ottawa, Ontario, Canada, Ottawa Hospital Research Institute, The Ottawa Hospital, Ottawa, Ontario, Canada

RONNI M. LIEBERMAN, MD – Vitreoretinal Disease  
Assistant Professor of Ophthalmology, Icahn School of Medicine at Mt. Sinai, Queens Hospital Center, Jamaica, New York

ANN-MARIE LOBO, MD – Uveitis  
Co-Director, Uveitis Service, Associate Professor, Department of Ophthalmology and Visual Sciences, Illinois Eye and Ear Infirmary, University of Illinois at Chicago, Chicago, Illinois

STEPHEN E. ORLIN, MD – Cornea and External Diseases

Associate Professor, Scheie Eye Institute, University of Pennsylvania, Perelman School of Medicine, Philadelphia, Pennsylvania

JOSEPH M. ORTIZ, MD, FRCOphth – Glaucoma

Consultant in Ophthalmology, Sacred Heart Hospital, Allentown, Pennsylvania; Consultant in Ophthalmology, Abington Memorial Hospital, Abington, Pennsylvania; Formerly Assistant Professor of Ophthalmology, Hahnemann University Hospital, Drexel University School of Medicine, Philadelphia, Pennsylvania

LEONARD J. PRESS, OD, FAAO, FCOVD – Optometry

Press Consulting, P.C, Lakewood, New Jersey; Adjunct Professor, Southern College of Optometry, Memphis, Tennessee

APARNA RAMASUBRAMANIAN, MD – Pediatric Ophthalmology

Director of Retinoblasma and Ocular Oncology, Phoenix Children's Hospital, Phoenix, Arizona