

# AMERICAN JOURNAL OF OPTHALMOLOGY®

SEPTEMBER 2003 • VOLUME 136

## ORIGINAL ARTICLES

**EFFECT OF LESION SIZE, VISUAL ACUITY, AND LESION COMPOSITION ON VISUAL ACUITY CHANGE WITH AND WITHOUT VERTEPORFIN THERAPY FOR CHOROIDAL NEOVASCULARIZATION SECONDARY TO AGE-RELATED MACULAR DEGENERATION: TAP AND VIP REPORT NO. 1**

Treatment of Age-Related Macular Degeneration With Photodynamic Therapy and the Verteporfin in Photodynamic Therapy Study Groups

**INTRAVITREAL TRIAMCINOLONE ACETONIDE IN EYES WITH CYSTOID MACULAR EDEMA ASSOCIATED WITH CENTRAL RETINAL VEIN OCCLUSION**

Park, Jaffe, Fekrat

**OPTIC NEUROPATHY OF GRAVES DISEASE: RESULTS OF TRANSANTRAL ORBITAL DECOMPRESSION AND LONG-TERM FOLLOW-UP IN 215 PATIENTS**

Soares-Welch, Fatourech, Bartley, and Co-Authors

**CORRECTING THE CORNEAL POWER MEASUREMENTS FOR INTRAOCULAR LENS POWER CALCULATIONS AFTER MYOPIC LASER IN SITU KERATOMILEUSIS**

Shammas, Shammas, Garabet, and Co-Authors

**ARTISCAN TORIC PHAKIC INTRAOCULAR LENS FOR THE CORRECTION OF HIGH ASTIGMATISM**

Güell, Vázquez, Malecaze, and Co-Authors

## EDITORIAL

**INDOCYANINE GREEN IN VITREOMACULAR SURGERY—(WHY) IS IT A PROBLEM?**

Kampik and Sternberg

## PERSPECTIVE

**CORNEAL CELLS: CHATTY IN DEVELOPMENT, HOMEOSTASIS, WOUND HEALING, AND DISEASE**

Wilson, Netto, Ambrósio

## BRIEF REPORTS

**PREVALENCE OF CILIOCHOROIDAL EFFUSION AFTER PROPHYLACTIC LASER IRIDOTOMY**

Sakai, Ishikawa, Shinzato, and Co-Authors

**CONJUNCTIVAL ULCERATION FOLLOWING TRIAMCINOLONE INJECTION**

Agrawal, Agrawal, Agrawal

PRINTED MATTER/CPM# 40012711

1 U136-3  
APPEL DU LIVRE  
105 RUE DE CHARENTON  
75012 PARIS  
FRANCE

AOPT 8842338-3

**AJO®**

MONTHLY SINCE 1884  
Full-text online at [www.ajo.com](http://www.ajo.com)

**ELSEVIER**

ISSN 0002-9394





# AMERICAN JOURNAL OF OPHTHALMOLOGY®

ISSN 0002-9394 • VOL. 136, NO. 3 SEPTEMBER 2003

## CONTENTS

### ORIGINAL ARTICLES

- 407 Effect of lesion size, visual acuity, and lesion composition on visual acuity change with and without verteporfin therapy for choroidal neovascularization secondary to age-related macular degeneration: TAP and VIP report no. 1. *Treatment of Age-Related Macular Degeneration With Photodynamic Therapy and the Verteporfin In Photodynamic Therapy Study Groups*

Exploratory analyses indicate that lesion size is an important predictor of the magnitude of treatment benefit with verteporfin therapy in occult with no classic and minimally classic lesion compositions; smaller lesions had a greater treatment benefit.

- 419 Intravitreal triamcinolone acetonide in eyes with cystoid macular edema associated with central retinal vein occlusion. *Carl H. Park, MD, Glenn J. Jaffe, MD, and Sharon Fekrat, MD*

Intravitreal triamcinolone acetonide appears to be effective in reducing cystoid macular edema associated with central retinal vein occlusion. The reduction in cystoid macular edema was often associated with improved visual acuity.

- 426 Correcting the corneal power measurements for intraocular lens power calculations after myopic laser in situ keratomileusis. *H. John Shamma, MD, Maya C. Shamma, BS, Antoine Garabet, MD, Jenny H. Kim, OD, Abraham Shamma, MD, and Laurie LaBree, MS*

The authors describe and evaluate a refraction-derived method and clinically-derived method to calculate the correct corneal power for intraocular lens power calculations after laser in situ keratomileusis and compare the results to the commonly used history-derived method. The corneal power measurements for intraocular lens power

calculation after laser in situ keratomileusis need to be corrected to avoid hypermetropia after cataract surgery.

- 433 Optic neuropathy of Graves disease: results of transantral orbital decompression and long-term follow-up in 215 patients. *Cacia V. Soares-Welch, MD, Vahab Fatourechi, MD, George B. Bartley, MD, Charles W. Beatty, MD, Colum A. Gorman, MD, PhD, Rebecca S. Bahn, MD, Erik J. Bergstralh, MS, Cathy D. Schleck, BS, and James A. Garrity, MD*

On the basis of findings in 215 patients and follow-up questionnaire responses, transantral orbital decompression appears to be effective in treating optic neuropathy in patients with Graves ophthalmopathy.

- 442 Artisan toric phakic intraocular lens for the correction of high astigmatism. *Jose L. Güell, MD, PhD, Mercedes Vázquez, MD, Françoise Malecaze, MD, PhD, Felicidad Manero, MD, Oscar Gris, MD, Fortino Velasco, MD, Helene Hulin, MD, and Jaune Pujol, MD, PhD*

The authors evaluated the efficacy, predictability, and safety of Artisan toric phakic intraocular lens implantation for the correction of astigmatism higher than 2 diopters. They found that the Artisan toric phakic intraocular lens implantation appears to be a safe and predictable method for the correction of high levels of astigmatism.

- 448 Evaluating pulsatile ocular blood flow analysis in normal and treated glaucomatous eyes. *Ali Aydin, MD, Gadi Wollstein, MD, Lori Lyn Price, MS, and Joel S. Schuman, MD*

The authors evaluated pulsatile ocular blood flow (POBF) analysis in normal subjects and glaucoma patients by comparison of POBF measurements with functional and structural measures. The wide range of normal values and the low discriminating power of POBF between normal

AJO®