

# AMERICAN JOURNAL OF OPHTHALMOLOGY®

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**INTERNAL LIMITING MEMBRANE STAINING WITH VARIOUS CONCENTRATIONS OF  
INDOCYANINE GREEN DYE UNDER AIR IN MACULAR SURGERIES**

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- **223 Internal limiting membrane staining with various concentrations of indocyanine green dye under air in macular surgeries.** *Alvin K.H. Kwok, FRCS, Timothy Y.Y. Lai, MRCS, David T.W. Yew, PhD, and Winnie W.Y. Li, MD*

This randomized clinical trial demonstrated that 1.25 mg/ml indocyanine green is more effective than 0.25 or 0.5 mg/ml indocyanine green in staining the internal limiting membrane under air for its removal in macular hole or epiretinal membrane surgery.

- **231 Extensive investigation of a large Brazilian pedigree of 11778/haplogroup J Leber hereditary optic neuropathy.** *Alfredo A. Sadun, MD, PhD, Valerio Carelli, MD, PhD, Solange R. Salomao, PhD, Adriana Berezovsky, PhD, Peter A. Quiros, MD, Federico Sadun, MD, Anna-Maria DeNegri, MD, Rafael Andrade, MD, Milton Moraes, MD, Angelo Passos, MD, Patricia Kjaer, MS, Josenilson Pereira, COMT, Maria Lucia Valentino, MD, Stan Schein, MD, PhD, and Rubens Belfort, MD, PhD*

Extensive epidemiological, neuro-ophthalmological, psychophysical, and blood studies were carried out on a 7 generation, 300+ member pedigree with 11778 Leber hereditary optic neuropathy. Over 90% of the patients were examined and questioned leading to about 300 datapoints per patient. Smoking was found to be a very great risk factor.

- **239 Lichen planus and cicatrizing conjunctivitis: characterization of five cases.** *Jennifer E. Thorne, MD, Douglas A. Jabs, MD, MBA, Olga V. Nikolskaia, MD, Daniel*

*Mimouni, MD, Grant J. Anhalt, MD, and H. Carlos Nousari, MD*

Lichen planus is a common skin disorder that rarely affects the conjunctiva. Six cases of cicatrizing conjunctivitis due to lichen planus are presented. Systemic immunosuppressive therapy with either cyclosporine or mycophenolate mofetil resulted in control of the disease in five of the six patients.

- **244 Randomized clinical trial of topical betaxolol for persistent macular edema after vitrectomy and epiretinal membrane removal.** *Hiroshi Kobayashi, MD, PhD, Kaori Kobayashi, MD, PhD, and Satoshi Okinami, MD, PhD*

This randomized clinical study showed that topical betaxolol showed a significantly favorable effect for treatment of persistent macular edema after vitrectomy and removal of epiretinal membrane compared with control patients.

- **252 Visual field defects after uneventful vitrectomy for epiretinal membrane with indocyanine green-assisted internal limiting membrane peeling.** *Akinori Uemura, MD, Shigeru Kanda, MD, Yushi Sakamoto, MD, and Hazuki Kita, MD*

Peripheral visual field defects may occur after vitrectomy with indocyanine green-assisted internal limiting membrane peeling. Although the cause of visual field defects is unclear, the use of indocyanine green should be considered as a possible cause of the defects.

- **258 Vitreous hemorrhage in patients with high-risk retinopathy of prematurity.** *Kelly A. Hutcheson, MD, Ahn T. Q. Nguyen, MD, Mark W. Preslan, MD, Nancy J. Elish, DrPH, and Scott M. Steidl, MD*

In this series, patients with moderate to severe vitreous hemorrhage and advanced retinopathy of prematurity had

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