



OFFICIAL PUBLICATION OF
THE BRAZILIAN COUNCIL OF
OPHTHALMOLOGY (CBO)

ARQUIVOS BRASILEIROS DE Oftalmologia



CONTENTS

Frequency of publication: Bimonthly

Arq Bras Oftalmol. São Paulo, v. 87, issue 2, Mar/Apr. 2024

EDITORIAL

Value of critical literature analysis for knowledge development

Newton Kara-Junior

ORIGINAL ARTICLES

Retinal thickness profiles in patients with Behçet uveitis during remission

Perfis de espessura da retina em pacientes com uveíte de Behçet durante remissão

Idil Farisogullari, Hilal Eser-Ozturk

Long-term evaluation of the efficacy and safety of Nd:YAG laser vitreolysis for symptomatic vitreous floaters

Avaliação de longo prazo da eficácia e segurança da vitreólise com Nd:YAG laser para moscas volantes sintomáticas

Guilherme M. Nunes, Gustavo D. Ludwig, Henrique Gemelli, Márgara Zanotele, Pedro D. Serracarbassa

Effects of the preoperative use of artificial tears combined with recombinant bovine basic fibroblast growth factor on cataract patients complicated with dry eyes

Efeitos do uso pré-operatório de lágrimas artificiais combinadas com fator de crescimento de fibroblastos básicos bovinos recombinantes em pacientes com catarata complicada com olhos secos

Wei Xiao, Pengcheng Huang

Translation and validation to Portuguese of a 60-item questionnaire to evaluate theoretical knowledge in fundus examination

Tradução e validação para o português de um questionário de 60 itens para avaliação do conhecimento teórico no exame de fundo de olho

Gabriel Ayub, Breno Di Gregorio, Nelson Wolf, Milena Yonamine, José Paulo Cabral de Vasconcelos

Applicability of portable retinal cameras and telemedicine as facilitating tools in screening diabetic retinopathy in the COVID-19 pandemic scenario

Aplicabilidade do retinógrafo portátil e telemedicina como ferramentas facilitadoras na triagem de retinopatia diabética no cenário de pandemia de COVID-19

Francyne Veiga Reis Cyrino, Suellen Ferronato, Samilla Augusto Vieira de Araujo, Vanessa Giachetto, Layse Dorneles Saud

The role of trimethylamine-N-oxide level in the diagnosis of diabetic retinopathy and the differential diagnosis of diabetic and nondiabetic retinopathy

Papel do nível de N-óxido de trimetilamina no diagnóstico da retinopatia diabética e no diagnóstico diferencial da retinopatia diabética e não-diabética

Burkay Yakar, Erhan Onalan, Tugce Kaymaz, Emir Donder, Mehmet Ferit Gursu

Evaluation of *commotio retinae* in orbital fractures

Avaliação com *commotio retinae* (Edema de Berlim) em fraturas orbitárias

Yael Steinberg, Matthew S Wieder, Ksenia Denisova, Catherine He, Afshin Parsikia, Joyce N Mbekeani

Instability of tear film and loss of meibomian glands in patients with *acne vulgaris*

Instabilidade do filme lacrimal e perda de glândulas meibomianas em pacientes com *acne vulgaris*

Yakup Acet, Leyla Bilik

Evaluation of ocular surface in children with attention deficit hyperactivity disorder with respect to methylphenidate treatment

Avaliação da superfície ocular em crianças com transtorno de déficit de atenção com hiperatividade em relação ao tratamento com metilfenidato

Emre Aydemir, Gözde Aksoy Aydemir, Merve Kalinli

Comparison of techniques for corneal epithelium cell culture for the collection of conditioned medium

Comparação das técnicas de cultivo de células epiteliais da córnea para a coleta de meio condicionado
Magda Massae Hata Viveiros, Luís Henrique Zucoloto, Álvaro Issao Shiguematsu, Cláudia Aparecida Rainho, Silvana Artioli Schellini

Results of office-based fluid-air exchange for postvitrectomy hemorrhage in diabetic retinopathy

Gee-Hyun Kim, Mee Yon Lee

Wet bio-amniotic membrane plugging combined with transplantation in the treatment of small corneal perforations

Yingxin Chen, Chenxi Lv, Minghong Gao, Zhiling Liu, Ruiyao Gao

Influence of the dilution method on the intraocular duration of C₃F₈ in vitrectomy for macular hole: a randomized clinical trial

Alexandre Paashaus da Costa Pinto, Daniel Tenório Camelo Soares, Marília Rocha Costa, Rodrigo Pessoa Cavalcanti Lira

Role of apparent diffusion map in the evaluation of retinoblastoma

Viviane Souto Spadoni, Thaylla Maybe Bedinot da Conceição, Flávia da Costa Schaefer, Daniel Schmidt Ercolani, Marcelo Krieger Maestri, Amalia Klaes, Simone Geiger Selistre, Fabiano Reis, Juliana Ávila Duarte

Ultraviolet-A absorbance analysis in thin porcine corneas pre-and post-crosslinking

Renan Rodrigues, Paulo Schor, Bernardo Kaplan Moscovici, Priscila Guidini, Mario Antonio Stefani, Patricia Alessandra Bersanetti

Nonsuperotemporal quadrant implantation of the Ahmed glaucoma valve using modified long scleral tunnel technique for intraocular pressure control

Yasemin Un, Serhat Imamoglu

Amniotic membrane transplantation for neurotrophic corneal ulcers

Anna Carolina Badotti Linhares, Ana Caroline Martinelli, Mariela Regina Dalmarco Ghem, Paula Basso Dias, Daniel Wasilewski

Ophthalmic manifestations of nasopharyngeal carcinoma (NPC): A systematic review of reported cases with and without prior history of nasopharyngeal carcinoma

Hind Manaa Alkatan, Saleh Hamad Alrashed, Azza MY Maktabi

Preoperative co-application of bevacizumab and tissue plasminogen activator in vitrectomy for proliferative diabetic retinopathy

Cengiz Aras, Fevzi Senturk, Sevil Karaman Erdur, Mehmet Selim Kocabora, Mahmut Dogramaci, Cahit Burke, Efe Aras

Evaluation of Meibomian gland dysfunction using meibography in patients with xeroderma pigmentosum

Allexya Affonso Antunes Marcos, Denise Freitas, Rossen Mihaylov Hazarbassanov, Arthur Gustavo Fernandes, Ligia Pereira Castro, Danilo Batista Vieira de Melo, Carlos F. Martins Menck, Melina Correia Morales, José Álvaro Pereira Gomes, Rubens Belfort Neto, Arun D. Singh

CASE REPORTS

Intracorneal implantation of a misdirected foldable intraocular lens during phacoemulsification surgery: a case report

Implantação intracorneana de uma lente intraocular dobrável direcionada incorretamente durante cirurgia de facoemulsificação: relato de caso

Mustafa Ilker Toker, Erman Bozali, Mustafa Unal, Ayse Vural Ozec, Haydar Erdogan

Unusual ocular manifestations of ethmoidal mucocele: a case report

Manifestações oculares incomuns de mucocele etmoidal: relato de caso

Selim Cevher, Serdar Ali Elkiran

Post-Bader procedure: a long-term follow-up case study

Procedimento pós-Bader: estudo de caso com acompanhamento de longo prazo

Nir Erdinest, Dror Ben Ephraim, Naomi London, Itay Iavy, Nadav Levinger

Retinal vein and artery occlusion as the first manifestation of primary antiphospholipid syndrome in a pediatric patient

Oclusão arterial e venosa como primeira manifestação da síndrome antifosfolípide primária em criança
Marina Delgado João, Jorge Vasco Costa, Gil Calvão Santos, Ricardo Dourado Leite, Sandra Guimarães

Partial regression of peripapillary myelinated nerve fibers after non-arteritic anterior ischemic optic neuropathy

Regressão parcial das fibras nervosas peripapilares mielinizadas após neuropatia óptica isquêmica anterior não arterítica
Francisco J Muñoz Negrete, Victor Aguado Casanova, Pablo Vicente Muñoz Ramón, Marta Gomez Mariscal, Teresa Salva Palomeque, Gema Rebolleda

Bilateral choroidal metastasis of follicular thyroid carcinoma 7 years after total thyroidectomy: a case report

Theo R. Morais, Nicole B. Larivoir, Cristiana M. Ramalho

Complicated trabeculectomy converted into *ab externo* cyclodialysis

Daiane Beutinger, Candice Carolina de Mesquita Costa, Niro Kasahara

Orbital mucosa-associated lymphoid tissue (MALT) lymphoma as the initial presentation in patients with hepatitis C virus infection

Leyre Lloreda-Martin, Ana Berrocal-Cuadrado, Maria Angeles Torres Nieto, Alicia Galindo-Ferreiro

REVIEW ARTICLES

Artificial cornea transplantation and visual rehabilitation: an integrative review

Transplante de córnea artificial e reabilitação visual: uma revisão integrativa

Tayná Meneses Fernandes, Mariana Cassiano Alves, Caroline Oliveira Diniz, Guilherme Cunha Queiroz, Sabrina T. Reis

Biological identity of orbital cavernous venous malformations

Ana Carolina Lourenço Veloni Longhim, Fernando Chahud

LETTERS TO THE EDITOR

Hypovitaminosis A: a hidden cause of neurotrophic keratitis

Eduardo Melani Rocha, Diego Rocha Gutierrez

Firework-related ocular trauma: a comment

Hinpetch Daungsupawong, Viroj Wiwanitkit

“White-line” ptosis repair with complications

Suzana Matayoshi Alice Carvalho Gouveia de Almeida Silvana Artioli Schellini

EYE IMAGES

Issue Cover: An elderly woman with primary open-angle glaucoma underwent trabeculectomy and phacoemulsification of the right eye (OD) in 2017 and phacotrabeculectomy and bleb needling of the left eye (OS) in 2021. She was lost to follow-up but returned in March 2023 presenting with visual acuity classifications of light perception in the OD and counting fingers in the OS. Biomicroscopy of the OD found enophthalmos, absence of cornea, aphakia, and communication of the posterior segment with the external side. Corneal melting is characterized by the progressive dissolution of the corneal stroma. It can result from infection, inflammation, or surgical/chemical injury. The pathophysiology involves the excessive production of the proteases responsible for tissue degradation, mainly metalloproteinases. To our knowledge, there have been no previous reports of patients with total corneal melting and exposure of the posterior segment in the absence of other major clinical complaints.

Ana Bárbara Dias Lopes Urzedo¹ , Viviane Mayumi Sakata¹ , Mário Teruo Sato¹ 

1. *Departament of Ophthalmology, Hospital das Clinicas, Universidade Federal do Paraná, Curitiba, PR, Brazil.*

Corresponding author: Ana Bárbara Dias Lopes Urzedo

E-mail: anabarbaraurzedo@outlook.com

INSTRUCTIONS TO AUTHORS



Editorial Office

R. Casa do Ator, 1.117 - 2nd Floor - São Paulo - SP - Brazil - 04546-004

Phone: +55 (11) 3266-4000

E-mail: claudia.moral@cbo.com.br

www.aboonline.org.br • www.scielo.br/abo