

INTERNATIONAL JOURNAL OF OPHTHALMOLOGY
Monthly, Established in March, 2008
Volume 18, Number 6, Jun. 18, 2025

CONTENTS

• **Basic Research •**

- Human congenital cataract mutation in MYH9 alters F-actin organization and cell functions** 969
Hao Yuan, Zhen-Yu Wang, Jia-Rui Yang, Chen Huang, Liang Zhu, Xue-Min Li
- Ghrelin alleviates high glucose-induced retinal microvascular endothelial cell injury by activating Nrf2/HO-1 pathway to inhibit ferroptosis** 978
Fen-Fen Wang, Rong Li, Dan Liao, Chao-Qun Liu, Xiao-Li Yang
- PPAR α deficiency exacerbates retinal pathological changes and dysfunction in high-fat diet mice.....** 986
Xue Wang, Jing-Jing Ding, Chao-Feng Yu, Deng-Cheng Xiao, Li-Ming Tao, Zheng-Xuan Jiang

• **Clinical Research •**

- Efficacy of 3% diquaftosol sodium eye drops at different frequencies in the treatment of dry eye after FS-LASIK.....** 996
Jin-Jin Wang, Ao-Miao Yu, Chang Liu, Yue Huang, Rui-Bo Yang, Chen Zhang, Hui Liu, Shao-Zhen Zhao
- Corneal surface changes after stromal lenticule addition keratoplasty combined with cross-linking for severe keratoconus.....** 1003
Xi-Yu Sun, Di Shen, Hao-Xi Chen, Wen-Jia Cao, Kun Zhou, Ya-Ni Wang, Rui Wang, Wei Wei
- Clinicopathologic features of 89 patients with lacrimal gland prolapse.....** 1011
Yu-Yao Qu, Le Dong, Ya-Guang Hu, Ning Gao, Jing-Ming Li, Qiao-Chu Cheng, Shan Gao, Ting Wei, Jian-Min Ma, Wan-Hu Zhang
- Acanthamoeba keratitis in a tertiary referral hospital in central China: demographics, risk factors, clinical presentation, treatments and outcomes.....** 1016
Jia-Song Wang, Dan Zhao, Tian-Yu Yao, Xiao-Ying Jiang, Hua-Tao Xie, Ming-Chang Zhang
- Alpha and Kappa angle on postoperative visual quality in cataract surgery.....** 1023
Xiao-Na Chen, Ying-Yue Xiong, Jia Wei, Bin Luo, Ya-Li Gao
- Efficacy of trabeculectomy combined with collagen implant and mitomycin C compared to with mitomycin C alone in glaucoma: a retrospective cohort study.....** 1032
Medhat A Bakr, Ussama Alnaqib, Saleh S. Algamdi, Hatim Najmi, Askar K. Alshaibani, Moataza M. Abdel Wahab, Mohammed Barnawi, Abdulaziz I. AlSomali, Khalid B. Alburayk
- Hematological inflammation biomarkers in patients with pseudoexfoliation syndrome and pseudoexfoliation glaucoma ...** 1042
Alper Can Yilmaz, Hayati Yilmaz
- Choroidopathy in patients with systemic lupus erythematosus using enhanced depth imaging spectral domain optical coherence tomography and optical coherence tomography angiography.....** 1053
Emine Gökçen Bayuk, Sibel Doğuizi, Abdulsamet Erden, Özlem Karakaş, Pınar Çakar Özdal
- Influence of combined eplerenone, afibercept and nepafenac therapy on central serous chorioretinopathy.....** 1064
Wael Ahmed Ewais, Lamia Samy Ali, Fayrouz Aboalazayem
- Evaluation of the risk factors for rhegmatogenous retinal detachment associated with choroidal detachment from the viewpoint of treatment patterns: a retrospective study** 1071
Kai Gao, Zi-Ye Chen, Zhuang-Ling Lin, Ya-Ping Liu, Bao-Yi Liu, Yuan Ma, Zi-Tong Chen, Rebiya Tuxun, Lan Jiang, Zhuo-Jun Xu, Chin-Ling Tsai, Kun-Bei Lai, Tao Li
- Efficacy of combining posterior scleral contraction and intravitreal C₃F₈ injection in high myopia with macular hole retinal detachment** 1077
Si Chen, Jie Ye, Qin-Tuo Pan, Fang Huang, Lin-Yan Zheng, Hui-Fang Ye, Yan-Feng Su, Yan Li, Shuang-Qian Zhu
- Comparison of axial length measurements with RS-1 spectral domain optical coherence tomography and OA-2000 biometer.....** 1085
Hitomi Fujihara, Shinji Kakihara, Takao Hirano, Toshinori Murata
- Dysplasia of extraocular muscles presenting as orbital space-occupying lesions—an extremely rare disorder** 1090
Shi-Yu Tang, Xiang-Jun Wang, Meng-Ya Han, Jian-Hua Yan

• Investigation •

Association between blood urea nitrogen to albumin ratio and diabetic retinopathy: insights from the US National Health and Nutrition Examination Survey 1097

Fei-Fei Dai, Jian-Dong Pan, Xiao-Jie He

Ocular biometric parameters among Han and Uyghur young adults with myopia in Xinjiang, China 1105

Xin-Rong Li, Wen-Bo Cheng, Lu-Mei Hu, Hai-Nan Zhang, Xing-Xing Peng, Xiang-Long Yi

• Meta-Analysis •

Optical coherence tomography findings in beta-thalassemia major: a systematic review and Meta-analysis 1113

Maryam Firdous, Muhammad Farooq Umer, Suriyakala Perumal Chandran

Association between findings in nailfold capillaroscopy and diabetic retinopathy: a systematic review and Meta-analysis.. 1123

Qi Yan, Shi-Si Chen, Xi-Ting Lu, Hao Chen, Chao-Ying Han, Hui-Qun Wu, Li-Li Shi

• Bibliometric Research •

Mapping key trends, relationships, and molecular pathways for neuroprotection in glaucoma: a bibliometric approach ... 1131

Puneet Agarwal, Renu Agarwal, Igor Iezhitsa

• Review Article •

Therapeutic potential of artesunate in retinal diseases: from mechanism to clinical applications 1146

Ying-Chao Xue, Xiao-Long Liu, Bo-Yu Liu, Sheng-Xiang Zhang, Qi-Hua Xu, Ling-Dan Wu

Macular pigment optical density and measurement technology based on artificial intelligence: a narrative review 1152

Yu-Xuan Yuan, Hong-Yun Wu, Wen-Jin Yuan, Yi-Lin Zhong, Zhe Xu

• Brief Report •

Corneal stromal lenticule transplantation for covering macular hole during vitrectomy 1163

Wen-Ting Ding, Yi-Le Xu, Di Li, Xiao-Xiao Qian, Jian Li, Hong-Wei Ge, Xiao-Hua Zhang, Ren-Jian Hu, Yong-Ping Hu

• Letter to the Editor •

Vitrectomy combined with internal limiting membrane peeling for refractory macular telangiectasia type 1 1169

Dan Liao, Xiao-Li Yang, Rong Li

Diagnosis and treatment of pupillary block glaucoma following implantable collamer lens surgery: a case report..... 1173

Bei-Bei Wang, Ying-Ying Zou, Dong-Mei Liu, Fang Sha, Hong-Sheng Bi

Consecutive superior oblique palsy following surgical management of brown syndrome: case series 1178

Hajar Farvardin, Majid Farvardin

International Journal of Ophthalmology

Monthly, Established in March, 2008

Administrator

Department of Health, Provincial Government of Shaanxi, China

Sponsor

Chinese Medical Association Xi'an Branch

International Journal of Ophthalmology Press

Editing

Editorial Board of International Journal of Ophthalmology

No.8 Yanta North Road, Xi'an 710054, China

Tel: (+8629)82210956 Fax: (+8629)82245172

Email: ijopress@163.com ijo2000@126.com

Publishing

International Journal of Ophthalmology Press (IJO Press)

No.8 Yanta North Road, Xi'an 710054, China

Tel: (+8629)85569828 Fax: (+8629)82245172

Email: ijopress@163.com ijo.2000@163.com

Copyright ©2025 by IJO Press

IJO has been indexed in SCIE, PubMed, PMC, CA,

Scopus, Embase, and DOAJ.

General Scientific Advisors

Bruce E. Spivey; Hugh R. Taylor;

Mark O.M. Tso; Dai-Ming Fan

Honorary Editors-in-Chief

George C.Y. Chiou; Lezheng Wu;

Li-Xin Xie; Xiao-Xin Li

President and Chief Editor

Xiu-Wen Hu

Editors-in-Chief

Yan-Nian Hui; Peter Wiedemann

Associate Editors

Ning-Li Wang; Ke Yao; Xing-Huai Sun; Xian-Qun Fan;

Yi-Zhi Liu; Hao-Tian Lin; Yu-Sheng Wang;

Joel S. Schuman; William E. Smiddy

ISSN 2222-3959 (Print)

ISSN 2227-4898 (Online)