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Published Manuscripts

2016 – Current

One-year Results of Health-related and Vision-related Quality of Life after Clear Lens Extraction and Multifocal IOL Implantation by Antti Viljanen,¹ Kimmo Koskela,¹ Harri Koskela,¹ Raimo Tuuminen,² and Hannu Uusitalo³

¹Medilaser Coronaria, Silmaasema Silmasairaala, CorGroup, Oulu, Finland; ²Helsinki Retina Research Group, University of Helsinki, Helsinki, Finland; ³SILK, Department of Ophthalmology, Tampere University, Tays Eye Center, Tampere, Finland

American Journal of Ophthalmology Apr 3;S0002-9394(21)00147-1, 2021. DOI:

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Advanced Therapy Medicinal Products for the Eye: Definitions and Regulatory Framework by Marina López-Paniagua,^{1,3} Ana de la Mata,^{1,3} Sara Galindo,^{1,3} Francisco Blázquez,⁴ Margarita Calonge,^{1,3} and Teresa Nieto-Miguel^{1,3}

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Subconjunctival Injection of Mesenchymal Stem Cells for Corneal Failure Due to Limbal Stem Cell Deficiency: State of the Art by Sara Galindo,^{1,2,3} Ana de la Mata,^{1,3} Marina López-Paniagua,^{1,2,3} Jose M Herreras,^{1,2,3} Inmaculada Pérez,^{1,3} Margarita Calonge,^{1,2,3} and Teresa Nieto-Miguel^{1,2,3}

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Effects of Physical Exercise on Macular Vessel Density and Choroidal Thickness in Children by Shufeng Li,¹ Yiguo Pan,¹ Jingjing Xu,¹ Xue Li,¹ Daniel P. Spiegel,² Jinhua Bao,¹ and Hao Chen¹

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Assessment of Choroidal Vascularity and Choriocapillaris Blood Perfusion in Anisomyopic Adults by SS-OCT/OCTA by Hao Wu,¹⁻³ Guoyun Zhang,¹⁻³ Meixiao Shen,¹⁻³ Renchang Xu,¹⁻³ Pengqi Wang,¹⁻³ Zhenqi Guan,¹⁻³ Zhu Xie,¹⁻³ Zi Jin,¹⁻³ Sisi Chen,¹⁻³ Xinjie Mao,¹⁻³ Jia Qu,¹⁻⁴ and Xiangtian Zhou,¹⁻⁴

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Macular Microvasculature Density Changes in Anisometropic Amblyopic Eyes after Successful Treatment by Wuhe Chen,¹ Frank Thorn,^{1,2} Ruzhi Deng,¹ Xiaoman Li,¹ Jiangtao Lou,³ Yingjie Wang,³ and Xinping Yu¹

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Increased Choroidal Blood Perfusion Can Inhibit Form Deprivation Myopia in Guinea Pigs by Xuan Zhou,¹⁻³ Sen Zhang,¹⁻³ Guoyun Zhang,¹⁻³ Yizhong Chen,¹⁻³ Yi Lei,¹⁻³ Jing Xiang,¹⁻³ Renchang Xu,¹⁻³ Jia Qu,¹⁻³ and Xiangtian Zhou¹⁻³

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Recovery of Cryo-injured Rabbit Urethras by Biofabricated C-shaped Adipose-derived Mesenchymal Cell Structures by Sudha Silwal Gautam,¹ Tetsuya Imamura, Mitsuru Shimamura,² Tomonori Minagawa,¹ Masaki Nakazawa,¹ Teruyuki Ogawa,¹ and Osamu Ishizuka¹

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The Shinshu Medical Journal 68(6):357-370, 2020

Scleral HIF-1 α is a Prominent Regulatory Candidate for Genetic and Environmental Interactions in Human Myopia Pathogenesis by Fei Zhao,¹ Dake Zhang,² Qingyi Zhou,¹ Fuxin Zhao,¹ Mingguang He,³ Zhenglin Yang,⁴ Yongchao Su,¹ Ying Zhai,¹ Jiaofeng Yan,¹ Jia Qu,¹ Xiangtian Zhou¹⁰ et al.

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Up-regulation of Matrix Metalloproteinase-2 by Scleral Monocyte-derived Macrophages Contributes to Myopia Development by Fei Zhao, Hao Wu, Peter S Reinach, Yi Wu, Ying Zhai, Yi Lei, Li Ma, Yongchao Su, Yizhong Chen, Fen Li, Xing Liu, Nethrajeith Srinivasalu, Jia Qu, and Xiangtian Zhou

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Modeling of Gonioscopic Anterior Chamber Angle Grades Based on Anterior Segment Optical Coherence Tomography by Yingying Dai, Shaodan Zhang, Meixiao Shen, Yuheng Zhou, Mengyi Wang, Jie Ye, and Dexi Zhu

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Foveal Pit Morphological Changes in Asymptomatic Carriers of the G11778A Mutation with Leber's Hereditary Optic Neuropathy by Xin-Ting Liu, Mei-Xiao Shen, Chong Chen, Sheng-Hai Huang, Xi-Ran Zhuang, Qing-Kai Ma, Qi Chen, Fan Lu, and Yi-Min Yuan

School of Optometry and Ophthalmology, The Eye Hospital, Wenzhou Medical University, Wenzhou, Zhejiang, China
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The Role of the Dopamine D2 Receptor in Form-Deprivation Myopia in Mice: Studies with Full and Partial D2 Receptor Agonists and Knockouts by Furong Huang,^{1,2} Qiongsi Wang,^{1,2} Tingting Yan,^{1,2} Jing Tang,^{1,2} Xueqin Hou,^{1,2} Ziheng Shu,^{1,2} Fen Wan,^{1,2} Yanan Yang,^{1,2} Jia Qu,^{1,2} and Xiangtian Zhou^{1,2}

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Macular Hole Edge Morphology Predicts Restoration of Postoperative Retinal Microstructure And Functional Outcome by Jiwei Tao, Huan Chen, Lin Zhu, Deming Pan, Jia Fang, Yiqi Chen, Jianbo Mao, and Lijun Shen
Department of Retina Center, Affiliated Eye Hospital of Wenzhou Medical University, Hangzhou, Zhejiang Province, China

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Evaluation of the Necessity for Cycloplegia During Refraction of Chinese Children Between 4 and 10 Years Old by Xinting Liu, Liang Ye, Chong Chen, Minfeng Chen, Shuyun Wen, and Xinjie Mao
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Effect of Orthokeratology on Axial Length Elongation in Moderate Myopic and Fellow High Myopic Eyes of Children by Li-hua Yu, Wan-qing Jin, Xin-jie Mao, and Jun Jiang

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Reduced Macular Inner Retinal Thickness and Microvascular Density in the Early Stage of Patients with Dysthyroid Optic Neuropathy by Yufei Wu,¹ Yunhai Tu,¹ Chaoming Wu,² Lulu Bao,¹ Jianhua Wang,^{3,4} Fan Lu,¹ Meixiao Shen,¹ and Qi Chen¹

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Ablation of Mature miR-183 Leads to Retinal Dysfunction in Mice by Chang-Jun Zhang,^{1,2} Lue Xiang,^{1,2} Xue-Jiao Chen,^{1,2} Xiao-Yun Wang,^{1,2} Kun-Chao Wu,^{1,2} Bo-Wen Zhang,^{1,2} De-Fu Chen,^{1,2} Guang-Hui Jin,^{1,2} Hang Zhang,^{1,2} Yu-Chen Chen,^{1,2} Wei-Qin Liu,^{1,2} Meng-Lan Li,^{1,2} Yue Ma,^{1,2} and Zi-Bing Jin^{1,2}

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Reduced Retinal Microvascular Density Related to Activity Status and Serum Antibodies in Patients with Graves' Ophthalmopathy by Yufei Wu,¹ Yunhai Tu,¹ Lulu Bao,¹ Chaoming Wu,² Jingwei Zheng,¹ Jianhua Wang,^{3,4} Fan Lu,¹ Meixiao Shen,¹ and Qi Chen¹

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Visual Processing Speed in Hemianopia Patients Secondary to Acquired Brain Injury: A New Assessment Methodology by Laura Mena-Garcia,^{1,2} Miguel J. Maldonado-Lopez,^{1,2} Itziar Fernandez,^{2,3} Maria B. Coco-Martin,^{1,4} Jaime Finat-Saez,⁵ Jose L. Martinez-Jimenez,⁵ Jose C. Pastor-Jimeno,^{1,2,6} and Juan F. Arenillas^{1,4}

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Histological and Immunohistochemical Characterization of the Porcine Ocular Surface by Mario Crespo-Moral,¹ Laura García-Posadas,¹ Antonio López-García,^{1,2} and Yolanda Diebold^{1,2}

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The Detection of Retina Microvascular Density in Subclinical Aquaporin-4 Antibody Seropositive Neuromyelitis Optica Spectrum Disorders by Yihong Chen, Ce Shi, Lili Zhou, Meixiao Shen, and Zhiyong He
School of Ophthalmology and Optometry, Wenzhou Medical University, Wenzhou, Zhejiang, China

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Optical Coherence Tomography Angiography in Pterygium and Pinguecula by Fengping Zhao,^{1,2} Sijie Cai,¹ Zhu Huang,¹ Peisheng Ding,³ and Chixin Du,^{1,4}

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Dynamic Changes of the Extracellular Matrix During Corneal Wound Healing by Elvira Lorenzo-Martín,¹ Patricia Gallego-Muñoz,¹ Cristina Herrero-Pérez,¹ Santiago Mar,² Itziar Fernández,^{3,4} and M. Carmen Martínez-García⁵

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Mesenchymal Stem Cells Provide Paracrine Neuroprotective Resources that Delay Degeneration of Co-Cultured Organotypic Neuroretinal Cultures by Sonia Labrador-Velandia,¹ Maria Luz Alonso-Alonso,¹ Salvatore Di Lauro,^{1,4} Maria Teresa García-Gutierrez,¹ Girish Kumar Srivastava,¹⁻³ José Carlos Pastor,¹⁻⁴ and Ivan Fernandez-Bueno¹⁻³

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In Vivo Evaluation of Corneal Biomechanical Properties by Optical Coherence Elastography at Different Cross-Linking Irradiances by Yuheng Zhou, Yuanyuan Wang, Meixiao Shen, Zi Jin, Yihong Chen, Yue Zhou, Jia Qu, and Dexi Zhu

School of Ophthalmology and Optometry, Wenzhou Medical University, Wenzhou, Zhejiang, China
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Photoreceptor Degeneration Is Correlated with the Deterioration of Macular Retinal Sensitivity in High Myopia by Yuanyuan Wang,¹ Jie Ye, Meixiao Shen,¹ Aixia Yao,¹ Hao Chen,¹ Yuchen Fan,¹ Shenghai Huang,¹ Jianhua Wang,² Fan Lu,¹ and Yilei Shao¹

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Factors That Influence Refractive Changes in the First Year of Myopia Development in Premature Infants by Jianbo Mao,¹ Jimeng Lao,¹ Chenyi Liu,² Mingyuan Wu,³ X. Yu,¹ Yilei Shao,¹ L. Zhu,¹ Yiqi Chen,¹ and Lijun Shen¹

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Nicotine-Induced Hypoxia in Rat Urothelium Deteriorates Bladder Storage Functions by Takashi Nagai, Tetsuya Imamura, Teruyuki Ogawa, Tomonori Minagawa, Takahisa Domen, Toshiro Suzuki, Manabu Ueno, and Osamu Ishizuka

Department of Urology, Shinshu University School of Medicine, Matsumoto, Japan
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Predictive Factors for the Rate of Visual Field Progression in the Advanced Imaging for Glaucoma Study by Xinbo Zhang,¹ Richard K. Parrish II,² David S. Greenfield,² Brian A. Francis,³ Rohit Varma,⁴ Joel S. Schuman,⁵ Ou Tan,¹ David Huang,¹ On behalf of the Advanced Imaging for Glaucoma Study Group

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Current Status and Future Trends of Clinical Diagnoses via Image-Based Deep Learning. by Jie Xu,¹ Kanmin Xue,² and Kang Zhang³

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Simultaneous Changes in Astigmatism with Noncycloplegia Refraction and Ocular Biometry in Chinese Primary Schoolchildren by Yaoyao Lin,¹ Dandan Jiang,² Chunchun Li,² Xiao Chang,¹ Balamurali Vasudevan,³ Xiaoqiong Huang,² Wenzhe Zhou,² Lei Qin,¹ and Yanyan Chen²

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Visual Acuity in Pathological Myopia is Correlated with the Thickness of the Photoreceptor Myoid and Ellipsoid Zone and Is Modulated by the Choroid by Jie Ye, Meixiao Shen, Shenghai Huang, Yuchen Fan, Aixia Yao, Chen Pan, Xiutong Shi, Fan Lu, and Yilei Shao

School of Ophthalmology and Optometry, Wenzhou Medical University, Wenzhou, Zhejiang, China
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Efficacy of Internal Limiting Membrane Flap Techniques with Vitrectomy for Macular Detachment Associated with an Optic Disc Pit by Salvador Pastor-Idoate,^{1,2} María Gomez-Resa,³ Sarah Karam,⁴ Sergio Copete,^{1,2} Danai Kyriakou,^{1,2} Claudia García-Arumí,¹ Natalia Pastora,⁵ Jeroni Nadal,⁴ and José García-Arumí^{1-3,6}

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Reliability and Reproducibility of a Rodent Model of Choroidal Neovascularization Based on the Subretinal Injection of Polyethylene Glycol by Ivan Fernandez-Bueno,^{1,2} Santiago Delgado-Tirado,¹ Maria Luz Alonso-Alonso,¹ Maria Teresa Garcia-Gutierrez,¹ and Yolanda Diebold^{1,3}

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Changes in Choroidal Thickness and Choroidal Blood Perfusion in Guinea Pig Myopia by Sen Zhang,^{1,2} Guoyun Zhang,^{1,2} Xuan Zhou,^{1,2} Renchang Xu,^{1,2} Siyao Wang,^{1,2} Juan Lu,^{1,2} Nethrajeith Srinivasalu,^{1,2} Meixiao Shen,^{1,2} Zi Jin,^{1,2} and Xiangtian Zhou^{1,2}

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Feasibility Study on Robot-Assisted Retinal Vascular Bypass Surgery in an Ex Vivo Porcine Model by Yi Qi Chen,^{1,2} Ji Wei Tao,¹ Liang Li,² Jian Bo Mao,¹ Chen Ting Zhu,² Ji Meng Lao,² Yang Yang,³ and Li-Jun Shen^{1,2}

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Therapeutic Effect of Human Adipose Tissue-Derived Mesenchymal Stem Cells in Experimental Corneal Failure Due to Limbal Stem Cell Niche Damage by Sara Galindo,^{1,2} José M. Herreras,^{1,2} Marina López-Paniagua,^{1,2} Esther Rey,^{2,1} Ana de la Mata,^{1,2} María Plata-Cordero,^{1,2} Margarita Calonge,^{1,2,3} and Teresa Nieto-Miguel^{2,1,3}

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Prehematopoietic Stem Cell Transplantation Tear Cytokines as Potential Susceptibility Biomarkers for Ocular Chronic Graft-Versus-Host Disease by Lidia Cocho,¹ Itziar Fernandez,^{1,2} Margarita Calonge,^{1,2} Maite Sainz de la Maza,³ Montserrat Rovira,⁴ Michael E. Stern,^{5,6} Carmen Garcia-Vazquez,¹ and Amalia Enriquez-de-Salamanca^{1,2}
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Six Month Delivery of GDNF from PLGA/Vitamin E Biodegradable Microspheres after Intravitreal Injection in Rabbits by Cristina García-Caballero,¹ Esther Prieto-Calvo,^{2,3} Patricia Checa-Casalengua,¹ Elena García-Martín,^{2,3} Vicente Polo-Llorens,^{2,3,4} Julián García-Feijoo,^{4,5} Irene Teresa Molina-Martínez,^{1,4,6} Irene Bravo-Osuna,^{1,4,6} and Rocío Herrero-Vanrell,^{1,4,6}

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Human Corneal Fibroblast Migration and Extracellular Matrix Synthesis During Stromal Repair: Role Played by Platelet-Derived Growth Factor-BB, Basic Fibroblast Growth Factor, and Transforming Growth Factor- β 1 by Patricia Gallego-Muñoz,¹ Lucía Ibares-Frías,^{1,2} José A. Garrote,³ María Cruz Valsero-Blanco,⁴ Roberto Cantalapiedra-Rodríguez,¹ Jesús Merayo-Lloves,⁵ and M. Carmen Martínez-García¹

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Biomarkers in Ocular Chronic Graft versus Host Disease: Tear Cytokine- and Chemokine-Based Predictive Model by Lidia Cocho,¹ Itziar Fernández,^{1,2} Margarita Calonge,^{1,2} Veronica Martínez,¹ Maria J. González-García,^{1,2} Delores Caballero,³ Lucia López-Corral,³ Carmen Garcia-Vázquez,¹ Lourdes García-Vázquez,³ Michael E. Stern,⁴ and Amalia Enríquez-de-Salamanca^{1,2}

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Serous Retinal Detachment Associated with Dome-Shaped Macula and Staphyloma Edge in Myopic Patients Before and After Treatment with Spironolactone by Álvaro Fernández-Vega Sanz,^{1,2} Carlos Mario Rangel,^{1,3,4} Eva Villota Deleu,^{1,2} Beatriz Fernández-Vega Sanz,^{1,2} and Ronald Mauricio Sánchez-Ávila^{2,5}

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Interocular Difference of Peripheral Refraction in Anisomyopic Eyes of Schoolchildren by Junhong Chen,¹ Ji C. He,^{1,2} Yunyun Chen,¹ Jingjing Xu,¹ Haoran Wu,¹ Feifu Wang,¹ Fan Lu,¹ and Jun Jiang¹
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TNM Staging of Colorectal Cancer Should Be Reconsidered According to Weighting of the T Stage: Verification Based on a 25-Year Follow-up by Jun Li,^{1,2} Cheng-Hao Yi,² Ye-Ting Hu,² Jin-Song Li,³ Ying Yuan,^{2,4} Su-Zhan Zhang,^{1,2} Shu Zheng,² and Ke-Feng Ding^{1,2}
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Reliability of Pentacam HR Thickness Maps of the Entire Cornea in Normal, Post-Laser In Situ Keratomileusis, and Keratoconus Eyes by Zhe Xu, Mei Peng, Jun Jiang, Chun Yang, Weigen Zhu, Fan Lu, and Meixiao Shen
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Follicle-Stimulating Hormone Induces Postmenopausal Dyslipidemia Through Inhibiting Hepatic Cholesterol Metabolism by Yang Song,^{1,2,3} Ensheng Wang,^{1,2} Lili Xing,^{1,2} Shuai Shi,^{1,4} Fan Qu,^{1,2,3} Dan Zhang,^{1,2,3} Jing-Yi Li, Jing Shu,^{1,2} Ye Ming, Jianzhong Sheng,^{1,4} Jianhong Zhou,^{1,2,3} and Hefeng Huang^{1,2,4}
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Comparison of Functional Limbal Epithelial Stem Cell Isolation Methods by Marina López-Paniagua,^{1,2} Teresa Nieto-Miguel,^{2,1} Ana de la Mata,^{1,2} Marc Dziasko,³ Sara Galindo,^{1,2} Esther Rey,^{2,1} José M. Herreras,^{1,2} Rosa M. Corrales,^{2,1} Julie T. Daniels,³ and Margarita Calonge^{1,2}
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Topical Fluorometholone Protects the Ocular Surface of Dry Eye Patients from Desiccating Stress by José Pinto-Fraga,^{1,2} Alberto López-Miguel,^{1,2,3} Maria J. González-García,^{1,2} Itziar Fernández,^{2,1} Alberto López-de-la-Rosa,¹ Amalia Enríquez-de-Salamanca,^{1,2} Michael E. Stern,⁴ and Margarita Calonge^{1,2}

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