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Published Manuscripts

2016 – Current

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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Accepted for publication in the *Journal of NeuroEngineering and Rehabilitation*, 2020; DOI: ; PMID:

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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Public Library of Science One (PLoS One), 2020; DOI: 10.1371/journal.pone.0227732; PMID: 31929592

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

Frontiers in Neurology Accepted: 10 Jan 2020; DOI: 10.3389/fneur.2020.00035; PMID:

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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Experimental Eye Research Jun 19, 2019; DOI: 10.1016/j.exer.2019.107704; PMID: 31228462

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

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Cornea 39(1):99-103, 2020; DOI: 10.1097/ICO.0000000000002114; PMID: 31436638

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

Journal of Biomedical Optics 24(10):1-7, 2019; DOI: 10.1117/1.JBO.24.10.105001; PMID: 31605471

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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Investigative Ophthalmology and Visual Science 60(8):2800-2810, 2019; DOI: 10.1167/iovs.18-26085; PMID: 31266057

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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American Journal of Ophthalmology 202:62-71, 2019; DOI: 10.1016/j.ajo.2019.02.015; PMID: 30794787

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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Journal of Ophthalmology Jun 23; 2019:5613986, 2019; DOI: 10.1155/2019/5613986; PMID: 31341654

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 Drs. 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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Molecular Vision 25:194-203, 2019; <http://www.molvis.org/molvis/v25/194/>; PMID: 30996588

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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Retinoschisis: A predictive Factor in Vitrectomy for Lamellar Macular Holes in Highly Myopic Eyes by Jiwei Tao,¹ Hanfei Wu,¹ Huan Chen,¹ Gaochun Li,² Yiqi Chen,¹ Jianbo Mao,¹ and Lijun Shen¹

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Ophthalmologica 242(4):208-213, 2019; DOI: 10.1159/000500927; PMID: 31315117

Relationship Between Cone Loss and Microvasculature Change in Retinitis Pigmentosa by Rui Lin, Meixiao Shen, Deng Pan, Su-Zhong Xu, Ren-Juan Shen, Yilei Shao, Ce Shi, Fan Lu, and Zi-Bing Jin

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Optical Coherence Tomography and Optical Coherence Tomography Angiography in Uveitis: A Review by Alessandro Invernizzi,^{1,2} Mariano Cozzi,¹ and Giovanni Staurenghi¹

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Use of iOCT in Vitreoretinal Surgery for Dense Vitreous Hemorrhage in a Chinese Population by Jiwei Tao, Hanfei Wu, Yiqi Chen, Jianbo Mao, Dan Cheng, Jingjing Lin, and Lijun Shen

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Real-Time Cross-Sectional and En Face OCT Angiography Guiding High-Quality Scan Acquisition by Xiang Wei, Acner Camino, Shaohua Pi, William Cepurna, David Huang, John C. Morrison, and Yali Jia

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Acute Retinal Toxicity Associated with a Mixture of Perfluorooctane and Perfluorohexyloctane: Failure of Another Indirect Cytotoxicity Analysis by Rosa M. Coco,^{1,2} Girish K. Srivastava,^{1,3} Cristina Andrés-Iglesias,^{4,5} Jesús Medina,⁴ Fernando Rull,⁴ Alvaro Fernandez Vega-Gonzalez,⁶ Ivan Fernandez-Bueno,^{1,2,3} Antonio Dueñas,^{1,7} and Jose C. Pastor^{1,2,8}

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Retinal Microvasculature in Amblyopic Children and the Quantitative Relationship Between Retinal Perfusion and Thickness by Wuhe Chen,¹ Jiangtao Lou,² Frank Thorn,^{1,3} Yingjie Wang,² Jieli Mao,² Qingya Wang,² and Xinping Yu¹

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Meta-analysis of the rs243865 MMP-2 Polymorphism and Age-related Macular Degeneration Risk by Ricardo Usategui-Martín,¹ Salvador Pastor-Idoate,¹⁻³ Antonio J. Chamorro,^{4,5} Iván Fernández-Bueno,^{1,3,6} Miguel Marcos,^{4,5} Rogelio González-Sarmiento,^{5,7,8} and José Carlos Pastor^{1-3,6}

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A Proof-of-Concept Clinical Trial Using Mesenchymal Stem Cells for the Treatment of Corneal Epithelial Stem Cell Deficiency by Margarita Calonge,^{1,2} Inmaculada Pérez,¹ Sara Galindo,^{1,2} Teresa Nieto-Miguel,^{2,1} Marina López-Paniagua,^{1,2} Itziar Fernández,^{2,1} Mercedes Alberca,³ Javier García-Sancho,³ Ana Sánchez,³ and José M. Herreras^{1,2}

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Nidogen-2: Location and Expression During Corneal Wound Healing by Patricia Gallego-Muñoz,¹ Elvira Lorenzo-Martín,¹ Itziar Fernández,² Cristina Herrero-Pérez,¹ and M. Carmen Martínez-García¹

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Wedge Resection of the Tarsal Plate Combined with the Modified Hotz Procedure for Correction of Involutional Lower Eyelid Entropion by Jianxin Ni, Xi Chen, Shengjie Zhou, Jia Liu, and Ben Chen

Department of Ophthalmological Plastic Surgery, The Affiliated Eye Hospital of Wenzhou Medical University, Wenzhou, China

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Spontaneous Resolution of Optic Disc Pit Maculopathy in a Child After a Six-Year Follow-Up by Eleonora Benatti, Elena Garoli, and Francesco Viola

Department of Clinical Sciences and Community Health, University of Milan, Cà Granda Foundation-Ospedale Maggiore Policlinico, Milan, Italy

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Biofabricated Structures Reconstruct Functional Urinary Bladders in Radiation-injured Rat Bladders by Tetsuya Imamura,¹ Mitsuru Shimamura,² Teruyuki Ogawa,¹ Tomonori Minagawa,¹ Takashi Nagai,¹ Gautam Silwal Sudha,¹ and Osamu Ishizuka¹

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Short Term Effect of Choroid Thickness in the Horizontal Meridian Detected by Spectral Domain Optical Coherence Tomography in Myopic Children after Orthokeratology by Wanqing Jin,^{1,2} Shenghai Huang,^{1,2} Jun Jiang,^{1,2} Xinjie Mao,^{1,2} Meixiao Shen,^{1,2} and Yan Lian^{1,2}

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Effects of the Tyrosinase-Dependent Dopaminergic System on Refractive Error Development in Guinea Pigs

by Liqin Jiang, Sen Zhang, Rongfang Chen, Li Ma, Xiaojun Wang, Yingying Wen, Jia Qu, and Xiangtian Zhou
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Prevalence and Risk Factors for Polypoidal Choroidal Vasculopathy in a General Japanese Population: The Hisayama Study by Kohta Fujiwara,^{1,3} Miho Yasuda,² Jun Hata,^{1,4} Yuji Oshima,² Sawako Hashimoto,^{1,2} Takeshi Yoshitomi,³ Yutaka Kiyohara,⁵ Tatsuro Ishibashi,² Toshiharu Ninomiya,^{1,4} and Koh-Hei Sonoda²

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Scleral Hypoxia is a Target for Myopia Control by Hao Wu,^{1,4} Wei Chen,⁵ Fei Zhao,^{1,4} Qingyi Zhou,^{1,4} Peter S. Reinach,^{1,4} Lili Deng,^{5,6} Li Ma,^{1,4} Shumeng Luo,^{5,6} Nethrajeith Srinivasalu,^{1,4} Miaozhen Pan,^{1,4} Yang Hu,^{1,4} Xiaomeng Pei,^{1,4} Jing Sun,^{1,4} Ran Ren,^{1,4} Yinghui Xiong,^{1,4} Zhonglou Zhou,^{1,4} Sen Zhang,^{1,4} Geng Tian,⁷ Jianhuo Fang,⁷ Lina Zhang,⁷ Jidong Lang,⁷ Deng Wu,^{5,6} Changqing Zeng,^{7,6} Jia Qu,^{1,4} and Xiangtian Zhou,^{1,4}

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Femtosecond Laser-Assisted Cataract Surgery in Patients with Fuchs' Endothelial Corneal Dystrophy: Long-Term Outcomes by Wei Fan,^{1,2} Hua Yan,³ and Guangbin Zhang²

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Dopamine Receptor Subtypes Mediate Opposing Effects on Form Deprivation Myopia in Pigmented Guinea Pigs by Sen Zhang,^{1,2} Jinglei Yang,^{1,2} Peter S. Reinach,^{1,2} Fengjiao Wang,^{1,2} Lishuai Zhang,^{1,2} Miaomiao Fan,^{1,2} Huangfang Ying,^{1,2} Miaozhen Pan,^{1,2} Jia Qu,^{1,2} and Xiangtian Zhou^{1,2}

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Automated Segmentation of Retinal Layer Boundaries and Capillary Plexuses in Wide-Field Optical Coherence Tomographic Angiography by Yukun Guo,¹ Acner Camino,¹ Miao Zhang,² Jie Wang,^{1,3} David Huang,¹ Thomas Hwang,¹ and Yali Jia^{1,3}

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Fast Track Multidiscipline Treatment Versus Conventional Treatment for Colorectal Cancer: The Results of a Prospective Randomized Controlled Study (FTMDT Trial) by Ke-Feng Ding, Jun Li, Jiao-Jiao Zhou, Xiang-Xing Kong, Jin-Jie He, Ying Yuan, Min Yan, Rong Chen, Xue-Feng Huang, Gang Chen, Xiao-Jiang Ying, Xiao-Yu Dai, Gen-Hai Li, Su-Zhan Zhang, and Shu Zheng

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Immunohistochemical Assay for Neuron-Specific Enolase, Synaptophysin, and RB-Associated Protein as a Diagnostic Aid in Advanced Retinoblastomas by José Carlos López López,¹ Nieves Fernández Alonso,¹ Juan Cuevas Álvarez,^{1,2} Tomás García-Caballero,² and José Carlos Pastor Jimeno³

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Novel Nano-Liposome Formulation for Dry Eyes with Components Similar to the Preocular Tear Film by Marta Vicario-de-la-Torre,^{1,2} María Caballo-González,^{1,2} Eva Vico,³ Laura Morales,^{2,3} Pedro Arriola-Villalobos,^{2,3} Beatriz de las Heras,^{2,4} José Manuel Benítez-del-Castillo,^{2,3} Manuel Guzmán,⁵ Thomas Millar,⁶ Rocío Herrero-Vanrell,^{1,2,7} and Irene T. Molina-Martínez^{1,2,7}

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Macular Vascular Fractal Dimension in the Deep Capillary Layer as an Early Indicator of Microvascular Loss for Retinopathy in Type 2 Diabetic Patients by Qi Chen,¹ Qingkai Ma,¹ Chaoming Wu,² Fan Tan,¹ Feng Chen,¹ Qiuyan Wu,¹ Rong Zhou,¹ Xiran Zhuang,¹ Fan Lu,¹ Jia Qu,¹ and Meixiao Shen¹

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Ultra-High Resolution Profiles of Macular Intra-Retinal Layer Thicknesses and Associations with Visual Field Defects in Primary Open Angle Glaucoma by Qi Chen, Shenghai Huang, Qingkai Ma, Huiling Lin, Mengmeng Pan, Xinting Liu, Fan Lu, and Meixiao Shen

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Internal Limiting Membrane Peeling by 23-gauge Endoscopy for Macular Hole Retinal Detachment in a Pathological Myopic Eye by Yiqi Chen,¹ Lijun Shen,¹ Shixin Zhao,¹ Lin Wang,¹ and Changbiao Xu²

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Novel Anti-Inflammatory Liposomal Formulation for the Pre-Ocular Tear Film: In Vitro and Ex Vivo Functionality Studies in Corneal Epithelial Cells by Laura Soriano-Romaní,^{1,2} Marta Vicario-de-la-Torre,³ Mario Crespo-Moral,^{1,2} Antonio López-García,^{1,2} Rocío Herrero-Vanrell,³ Irene T. Molina-Martínez,³ and Yolanda Diebold^{1,2}

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Value of Corneal Epithelial and Bowman's Layer Vertical Thickness Profiles Generated by UHR-OCT for Sub-Clinical Keratoconus Diagnosis by Zhe Xu,¹ Jun Jiang,¹ Chun Yang,¹ Shenghai Huang,¹ Mei Peng,¹ Weibo Li,¹ Lele Cui,¹ Jianhua Wang,² Fan Lu,¹ and Meixiao Shen¹

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Combined Treatment with a β 3-adrenergic Receptor Agonist and a Muscarinic Receptor Antagonist Inhibits Detrusor Overactivity Induced by Cold Stress in Spontaneously Hypertensive Rats by Tetsuya Imamura, Teruyuki Ogawa, Tomonori Minagawa, Takashi Nagai, Toshiro Suzuki, Tetsuichi Saito, Hitoshi Yokoyama, Shiro Hiragata, Masaki Nakazawa, and Osamu Ishizuka

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