

Room1 (Virtual Meeting Program)

Oral Session 1	Retina / Vitreous / Uvea - Medical 1-		9:45 - 10:25
Chair		Hee-Yoon Cho	Hanyang University
Chair		Akitaka Tsujikawa	Kyoto University Graduate School of Medicine
OS1-1	Effects of Zinc Acetate Hydrate on Serum Oxidative Stress Markers in Patients with Macular Drusen	Fukutaro Mano	Kindai Univirsity Hospital
OS1-2	Cleavably linking anti-VEGF antibody and anti-inflammatory exosomes derived from Treg cells as a synergistic therapy for choroidal neovascularization	Yong Tao	Beijing Chaoyang Hospital
OS1-3	Incidence of Central Serous Chorioretinopathy in Japan: A Nationwide Population-Based Cohort Study	Ai Kido	Kyoto University
OS1-4	COVID-19 morbidity and severity in patients with age-related macular degeneration: a Korean nationwide cohort study	Jee Myung Yang	Department of Ophthalmology, Asan Medical Center, University of Ulsan College of Medicine
Oral Session 4	Retina / Vitreous / Uvea - Medical 2 -		10:35 - 11:15
Chair		Sohee Jeon	Keye Eye Center
Chair		Kenji Yamashiro	Otsu Red Cross Hospital
OS4-1	The frequent pathogenic variants in 145 Japanese patients with EYS - associated retinal disease	Yoshito Koyanagi	Kyushu University
OS4-2	Metabolomics Analyses in Retinopathy of Prematurity	Yedi Zhou	Department of Ophthalmology, The Second Xiangya Hospital, Central South University
OS4-3	A study on the correlation of diabetic retinopathy with dietary choline and its metabolite, trimethylamine-N-oxide	Peirong Lu	The First Affiliated Hospital of Soochow University
OS4-4	Quantitative analysis of macular hard exudate in diabetic retinopathy patients taking various ocular supplements	Sung Soo Hwang	Inje University Haeundae Paik Hospital

Room2 (Virtual Meeting Program)

Oral Session 2	Cataract / Refractive Surgery		9:45 - 10:25
Chair		Peirong Lu	the First Affiliated Hospital of Soochow University
Chair		Kyung-Hwan Shin	Yeonsu Kim's Eye Clinic
OS2-1	Comparison study of the anterior segment parameters measured using the new swept-source optical coherence tomography and the partial coherence interferometry	Gon Soo Choe	Kims Eye Hospital
OS2-2	Efficacy of modified folding intraocular lens suspension surgery in treatment of traumatic dislocation of lens	Yaguang Hu	the First Affiliated Hospital of Xi an Jiaotong University
OS2-3	Temporal change in anterior chamber depth after combined vitrectomy and cataract surgery based on different sizes of intraocular lens	Yoshiaki Takahashi	Department of Ophthalmology, Shinshu University
OS2-4	Analysis of unplanned reoperation following Implantable Collamer Lens implantation in the early post-operative period	Zhikun Yang	Peking Union Medical College Hospital
Oral Session 5	Cornea / Ocular Surface		10:35 - 11:15
Chair		Hung won Tchah	University of Ulsan
Chair		Noriko Koizumi	Doshisha University
OS5-1	High-fat diet-induced functional and pathological changes in lacrimal gland	Wei Li	Xiamen University
OS5-2	Proteomic analysis of corneal endothelial cells derived from a Fuchs endothelial corneal dystrophy patient with trinucleotide repeat expansion in TCF4	Tatsuya Nakagawa	Doshisha University, Department of Biomedical Engineering
OS5-3	Analysis of the characteristics of dry eye in Inner Mongolia and the management of dry eye disease by blockchain technology	Ming-shen MA	Affiliated Hospital of Inner Mongolia Medical University
OS5-4	Clinical Outcome of Descemet Membrane Endothelial Keratoplasty with imported donor corneas in Asian eyes; endothelium in versus endothelium out	Mee Kum Kim	Ophthalmology, Seoul National University College of Medicine

Room3 (Virtual Meeting Program)

Oral Session 3	Low vision / Epidemiology		9:45 - 10:25
Chair		Wei He	He Vision Group
Chair		Donghyun Jee	The Catholic university of Korea
OS3-1	Prevalence and Risk Factors for Diabetic Retinopathy in a Chinese Population with Type 2 Diabetes: Jiangsu Diabetic Eye Disease Study	Junfang Zhang	Eye Institution, Affiliated Hospital of Nantong University
OS3-2	Trends in the prevalence of diabetic retinopathy: the Hisayama Study	Sawako Hashimoto	Department of Ophthalmology, Graduate School of Medical Sciences, Kyushu University
OS3-3	Neurodevelopmental and Ophthalmic Complications in Retinopathy of Prematurity: A 10-year cohort study using National Health Insurance Database in South Korea	Eun Hee Hong	Hanyang University
OS3-4	Interviews with the leaders of major visually disabled support groups to arrange the social collaboration of new patients in Japan	Akito Narai	Hiroshima University Hospital
Oral Session 6	Ocular Tumor / Oculoplasty		10:35 - 11:15
Chair		Jianmin Ma	Beijing Tongren Eye Center, Beijing Tongren Hospital, Capital Medical University
Chair		Suk-Woo Yang	The Catholic university of Korea
OS6-1	Topography of the orbital part of the lacrimal gland for treating epiphora using botulinum toxin injection	Hyunjin Shin	Konkuk University
OS6-2	Clinical Characteristics and Prognosis of Patients with Primary Vitreoretinal Lymphoma at Hiroshima University Hospital	Tomona Hiyama	Hiroshima University
OS6-3	Analysis of Clinical Characteristics and Prognosis of Patients With Periocular Malignant Melanomain Korea	Na-ri Park	The Catholic university of Korea
OS6-4	Whole exome sequencing reveals novel IGLL5 mutation in ocular adnexal MALT lymphoma	Hu Liu	First Affiliated Hospital of Nanjing Medical University

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Oral Session 7	Retina / Vitreous / Uvea - Surgical -		11:25 - 12:05
Chair		Hua Yan	Tianjin Medical University
Chair		Mineo Kondo	Mie University Graduate School of Medicine
OS7-1	Comparisons of Clinical Characteristics and Surgical Outcomes of ERM Foveoschisis to Typical ERM	Taku Sasaki	Department of Ophthalmology, Mie University Graduate School of Medicine
OS7-2	Analysis of ocular and systemic factors for predicting the progression of bilateral macular hole	Jee Myung Yang	Department of Ophthalmology, Asan Medical Center, University of Ulsan College of Medicine
OS7-3	Long-term outcomes of administration of intravitreal triamcinolone acetonide after the posterior vitreous detachment during vitrectomy for proliferative diabetic retinopathy	Yan Hua	Tianjin Medical University General Hospital
OS7-4	Development of robotic endoscope holder for vitreoretinal surgery	Koh-Hei Sonoda	Department of Ophthalmology, Graduate School of Medical Science, Kyushu University
Oral Session 10	Retina / Vitreous / Uvea - Surgical, Others -		12:15 - 12:55
Chair		Mee Yon Lee	The Catholic university of Korea
Chair		Yong Tao	Beijing Chaoyang Hospital
OS10-1	Application of metagenomic next-generation sequencing in suspected intraocular infection	Qian Zhuyun	Beijing GIANTMED medical diagnostics Lab
OS10-2	Neuroprotective roles of eicosapentaenoic acid and its metabolite 18-HEPE via Müller brain-derived neurotrophic factor in diabetic retinopathy	Ayana Suzumura	Department of Ophthalmology, Nagoya University Graduate School of Medicine
OS10-3	Risk factors for onset or progression of epiretinal membrane after cataract surgery.	Sohee Jeon	Keye Eye Center
OS10-4	Intraoperative Perfluorocarbon Liquid Tamponade Technique for Treatment of Extensive Retinal Detachment Secondary to a Myopic Macular Hole	Zhao Peiquan	Xinhua hospital, Medical School of Shanghai Jiaotong University

Room2 (Virtual Meeting Program)

Oral Session 8	Basic Research		11:25 - 12:05
Chair		Jingxue Zhang	Beijing Institute of Ophthalmology, Capital Medical University
Chair		Yuji Oshima	Kyushu University
OS8-1	Circular RNA-SPECC1 attenuates age-related maculopathy by resisting oxidative stress injuries and maintaining lipid metabolism in RPE	Xue Chen	Department of Ophthalmology, The First Affiliated Hospital of Nanjing Medical University, Nanjing Medical University
OS8-2	Age-related morphologic abnormalities of retinal pigment epithelium in Tnfrsf10 knockout mice	Kenichiro Mori	Department of Ophthalmology, Graduate School of Medical Sciences, Kyushu University
OS8-3	Gene augmentation therapy restores cone function in PDE6c-associated achromatopsia	Yufei Teng	Beijing Tongren Hospital, Beijing Institute of Ophthalmology
OS8-4	Acrolein promotes Müller cell migration via ROCK1 pathway	Kanae Fukutsu	Department of Ophthalmology, Faculty of Medicine and Graduate School of Medicine, Hokkaido University
Oral Session 11	Artificial Intelligence (AI)		12:15 - 12:55
Chair		Taiji Sakamoto	Kagoshima University
Chair		Tae-im Kim	Yonsei University
OS11-1	Deep Learning-Based Cataract Detection and Grading from Slit-Lamp and Retro Illumination Images: Model Development and Validation Study	Dong Hui Lim	Samsung Medical Center
OS11-2	An Explainable Deep Learning Approach for Detecting Fungal Keratitis on Corneal In Vivo Confocal Microscopy Images	Ningning Tang	Guangxi Health Commission Key Laboratory of Ophthalmology and Related Systemic Diseases Artificial Intelligence Screening Technology & Research center of Ophthalmology, Guangxi
OS11-3	Development of BERT in Japanese language by transfer learning for analyzing the electronic medical records of the patients with glaucoma	Kaito Narimoto	Department of Biomedical Engineering, Doshisha University
OS11-4	Analysis of informative clinical features and predictive models of visual outcomes of vitrectomy in eyes with NLP after OGI	Yan Hua	Tianjin Medical University General Hospital

Room3 (Virtual Meeting Program)

Oral Session 9	Strabismus / Pediatric Ophthalmology		11:25 - 12:05
Chair		Shunji Kusaka	Department of Ophthalmology, Kindai University
Chair		Hyosook Ahn	University of Ulsan
OS9-1	Obesity and high myopia in Korean children and adolescents: Korea National Health and Nutrition Examination Survey	Haeng-Jin Lee	Department of Ophthalmology, Jeonbuk National University College of Medicine
OS9-2	Patterns and temporal trends of myopia progression in Chinese school age children between 2008 and 2018	Kunliang Qiu	Joint Shantou International Eye Center of Shantou University and The Chinese University of Hong Kong
OS9-3	Risk factors for early-onset high myopia after treatment of retinopathy of prematurity	Saiko Matsumura	Department of Ophthalmology Toho University School of Medicine
OS9-4	Risk of reoperation in pediatric patients with intermittent exotropia : population-based cohort study	Hyuna Kim	Department of Ophthalmology, Soonchunhyang University Seoul Hospital
Oral Session 12	Glaucoma / Optic Nerve		12:15 - 12:55
Chair		Ningli Wang	Beijing Tongren Eye Center, Beijing Tongren Hospital, Capital Medical
Chair		Xinghuai Sun	Eye & ENT Hospital, Shanghai Medical College, Fudan University
OS12-1	Profiles of microRNA in Aqueous Humor of Pseudoexfoliation Glaucoma Patients using RNA Sequencing	Hyun-kyung Cho	Department of Ophthalmology, Gyeongsang National University Changwon Hospital, Gyeongsang National University, School of Medicine
OS12-2	The efficacy of Penetrating Canaloplasty versus Conventional Canaloplasty in Primary Open Angle Glaucoma (POAG): A Randomized Controlled Trial	Yuanbo Liang	Glaucoma Institute, Eye Hospital of Wenzhou Medical University
OS12-3	Evaluation of the clinical utility of PhNR in different stages of glaucoma using RETeval.	Takako Hidaka	Miyazaki University
OS12-4	Safety and Efficacy of Gene Therapy for ND4-Mediated Leber's Hereditary Optic Neuropathy	Jiajia Yuan	Renmin Hospital of Wuhan University

