

Saturday, November 9, 2024 Room 1

Opening Remarks

8:30-9:10

Oral 01 : Retina/Vitreous/Uvea 01

Chairpersons: **Ryuya Hashimoto** (Toho University)

Yong Hoon Ohn (Soonchunhyang University Hospital)

- O01-1 Automated ATN grading of pathologic myopia using bi-modal deep learning algorithm
Zhiyan Xu (Department of Ophthalmology, Peking Union Medical College Hospital)
- O01-2 Subretinal Gas Migration Following Pneumatic Retinopexy: A Case Report
Masaki Suzue (Osaka University)
- O01-3 Comparison of surgical outcomes between conventional internal limiting membrane (ILM) peeling and inverted ILM flap technique in patients with idiopathic macular hole
Yoshiki Sato (Oita University)
- O01-4 Risk Factors for Macular Hole Formation Following Rupture of Retinal Arterial Microaneurysms
Naoki Fujioka (Toho University Sakura Medical Center)
- O01-5 Clinical Outcome of Pars Plana Vitrectomy for Floater
Wonseok Choi (High Eye Clinic)

9:10-9:50

Oral 02 : Retina/Vitreous/Uvea 02

Chairpersons: **Hiroshi Tanaka** (Kyoto Prefectural University of Medicine)

Joo Eun Lee (J Eye Center)

- O02-1 The prevalence and 6-year incidence of tessellation in a Chinese rural adult population: The Handan Eye Study
Jian Wu (Henan Academy of Innovations in Medical Science)
- O02-2 An exploratory study of vitrectomy with intravitreal ranibizumab instead of panretinal photocoagulation for vitreous hemorrhage from proliferative diabetic retinopathy
Yong Wei (The Eye Hospital of Wenzhou Medical University)
- O02-3 Long-term risk factors for poor visual outcomes in patients with epiretinal membrane and open-angle glaucoma: A retrospective study
Masanori Kanai (Osaka University)
- O02-4 Retinal sensitivity around the macula and retinal structure at one year after macular hole surgery
Akiko Yoshikawa (Toho University Omori Medical Center)

- O02-5 Hemodynamics and Pulsatility in the Choroidal Watershed Zone and Their Relationship to the Optic Nerve Head Tissue
Ryuya Hashimoto (Toho University Sakura Medical Center / University of Iowa Hospital and Clinics)

9:50-10:30

Oral 03 : Retina/Vitreous/Uvea 03

Chairpersons: **Yosuke Fukuda** (Kyushu university)
Jee Yun Ahn (Seoul National University Boramae Medical Center)

- O03-1 Plasma metabolomics identifies key metabolites and improves prediction of diabetic retinopathy: development and validation across multi-national cohorts
Shaopeng Yang (Zhongshan Ophthalmic Center, Sun Yat-sen University)
- O03-2 Withdraw
- O03-3 Dietary intake of whale oil containing ω -3 long-chain polyunsaturated fatty acids attenuates choroidal neovascularization in mice
Ryoji Yanai (Department of Ophthalmology, Institute of Biomedical Sciences, Tokushima University Graduate School, Tokushima, Japan)
- O03-4 Ocular and Serum Profiles of Inflammatory Molecules Associated With Retinitis Pigmentosa
Yan Tao (Kyushu University)
- O03-5 Clinical features of five retinitis pigmentosa patients with RPE65 gene mutations
Hiroaki Ushida (Department of Ophthalmology, Nagoya University Graduate School of Medicine)

11:00-11:40

Oral 04 : Retina/Vitreous/Uvea 04

Chairpersons: **Ryoji Yanai** (Tokushima University Graduate School)
Xiaona Wang (Peking University Third Hospital)

- O04-1 Targeting Premature Termination Codons Rescued Retinal Degeneration in Pre-mRNA Splicing Deficient Models
Chen Zhao (Eye Institute and Department of Ophthalmology, Eye & ENT Hospital, Fudan University)
- O04-2 The female-limited high myopia causal gene ARR3 and its knock-off mice model
Lei Gu (The First Affiliated Hospital, Zhejiang University School of Medicine)
- O04-3 Altered fatty acid distribution in lysosome-associated membrane protein-2 deficient mice
Ziming Xu (Kyushu University Hospital)
- O04-4 Identification of distinct immune cell subsets in peripheral blood of uveitis associated with systemic inflammation by Mass cytometry
Hiroki Tsutsui (Kyushu University)

O04-5 LAMP2 Deficiency Enhances Susceptibility to Oxidative-Stress-Induced RPE Degeneration

Guannan Wu (Kyushu University)

11:40-12:28

Oral 05 : Retina/Vitreous/Uvea 05

Chairpersons: **Takumi Ando** (Niigata university)

Hong Yan (Shaanxi Eye Hospital, Xi'an People's Hospital (Xi'an Fourth Hospital))

O05-1 Withdraw

O05-2 Gut microbiota predict retinopathy in patients with diabetes: A longitudinal cohort study
Xinran Qin (Department of Ophthalmology, Shanghai General Hospital, Shanghai Jiao Tong University, School of Medicine)

O05-3 Inference of Progression Pathways in Diabetic Macular Ischemia on OCT Angiography
Miyo Yoshida (Kyoto University)

O05-4 Association Between Structural Changes in the Retina and Severity of Motor Symptoms in patients with Parkinson's Disease
Miyako Kawashima (Juntendo University Graduate School of Medicine, Data Science, Tokyo, Japan)

O05-5 Comparison of Two-Color (RG) and Three-Color (RGB) Images obtained by Ultra-WideField Fundus Imaging (Optos)
Mineo Kondo (Mie University)

O05-6 A caspase-3 inhibitor nanoparticle inhibits RPE cell pyroptosis in model of dry AMD
Yi Chen (China-Japan Friendship Hospital)

13:00-13:50

Luncheon Seminar 01 :

Borderless Ophthalmology Research for the Future

Santen Pharmaceutical Co., Ltd.

Chairpersons: **Koji Nishida** (Osaka University)

Hiroshi Tanaka (Kyoto Prefectural University of Medicine)

LS1-1 Going Borderless: Bridging Global Ophthalmic Research and Academic Exchange
Ryuya Hashimoto (Toho University Sakura Medical Center)

LS1-2 Going Borderless: From Regional University to Global Reach
Takumi Ando (Niigata University)

LS1-3 Going Borderless: Advancing Speciality Contact Lens Research in the World
Gaku Kiuchi (University of Tsukuba)

14:00-14:50

Sponsored Seminar : Myopia control for prevention of pathologic myopia

Menicon Co., Ltd.

Chairperson: **Atsuya Miki** (Department of Myopia Control Research, Aichi Medical University)

- SS-1 Myopia control and optic neuropathy
Atsuya Miki (Department of Myopia Control Research, Aichi Medical University)
- SS-2 Eye shape change in high myopia and its complications
Saiko Matsumura (Toho University Omori Medical Center)

14:55-16:10

Symposium 01 : Enhancing General Ophthalmic Care with Advanced Digital Solutions: Future Directions and Practical Applications

Chairpersons: **Zuyi Yang** (Peking Union Medical College, Chinese Academy of Medical Sciences)

Ungsoo S. Kim (Chung-Ang University)

- S1-1 AI-Powered Diagnostics in Ophthalmology
Ahnul Ha (Jeju National University)
- S1-2 Transforming Healthcare with mHealth: Insights into Dry Eye Disease and Hay Fever
Takenori Inomata (Juntendo University Graduate School of Medicine, Department of Ophthalmology, Japan / Juntendo University Graduate School of Medicine, Department of Hospital Administration, Japan / Juntendo University Graduate School of Medicine, Department of Telemedicine and Mobile Health, Japan / Juntendo University Graduate School of Medicine, Data Science, Japan)
- S1-3 Novel quantitative analysis of anterior chamber inflammation based on a deep learning model using anterior segment optical coherence tomography images for diagnosis and precise assessment of intraocular inflammatory diseases
Wei Chi (Shenzhen Ophthalmic Hospital, Zhongshan Ophthalmic Center)
- S1-4 AI in vitreoretinal diseases
Hidenori Takahashi (Jichi Medical University)

16:15-17:30 Symposium 02 : Management of Myopia and its Complication

Chairpersons: **Yan Zhang** (Shanghai General Hospital)

Hitomi Saito (Tokyo University)

- S2-1 Deep Learning-Based Estimation of Axial Length based on Ultra-widefield Fundus Photography
Feng Shi (Peking Union Medical College Hospital, Chinese Academy of Medical Sciences)
- S2-2 Morphological and functional changes of choroid during myopia progression and treatment
Saiko Matsumura (Toho University Omori Medical Center)
- S2-3 Glaucoma Complication of Myopia
Hyun-Kyung Cho (Department of Ophthalmology, Gyeongsang National University Changwon Hospital, Gyeongsang National University, School of Medicine, Republic of Korea)
- S2-4 Strategies For Myopia Control in South Korea
Donghun Lee (Daegu Catholic University)

17:40-18:30 Afternoon Seminar 01 : Current status and prospects of digital health in ophthalmology

Senju Pharmaceutical Co., Ltd.

Chairperson: **Saiko Matsumura** (Toho University Omori Medical Center)

- AS1-1 The Evolving Landscape of Medicine in Society 5.0 and Digital Health in Ophthalmology
Takenori Inomata (Juntendo University Graduate School of Medicine, Department of Ophthalmology)
- AS1-2 Development of an AI-based diagnostic support system for corneal and anterior segment diseases
Yuta Ueno (University of Tsukuba)

Saturday, November 9, 2024 Room 2

8:30-9:10

Oral 06 : Cornea/Ocular Surface 01

Chairpersons: **Sayo Maeno** (Osaka University)

Tae-im Kim (Yonsei University, Severance Hospital)

- O06-1 Trends in surgical procedures and timing for keratoconus at a tertiary referral center in northern China over 20 years
Yu Sun (Qingdao Eye Hospital of Shandong First Medical University / Shandong Eye Institute / Qingdao University)
- O06-2 Withdraw
- O06-3 Verification of the Japanese version of the Visual Function and Corneal Health Status (V-FUCHS): a Fuchs dystrophy specific visual disability instrument
Sayo Maeno (Department of Ophthalmology, Osaka University Graduate School of Medicine, Osaka, Japan)
- O06-4 A new approach to detect early form of keratoconus based on corneal surface area
Koji Kitazawa (Department of Ophthalmology, Kyoto Prefectural University of Medicine)
- O06-5 Differences between suspected keratoconus and subclinical keratoconus by using multi-parameter analysis
Peng Yusu (Eye Institute of Shandong First Medical University ,Qingdao Eye Hospital of Shandong First Medical University)

9:10-9:58

Oral 07 : Cornea/Ocular Surface 02

Chairpersons: **Koji Kitazawa** (Kyoto Prefectural University of Medicine)

Hung Won Tchah (Kim's Eye Hospital, Kyeonyang Universtiy)

- O07-1 Clinical study of SMILE-derived corneal stromal lenticule punctal plug in the treatment of moderate and severe dry eyes
Juan Li (Xi'an People's Hospital (Xi'an Fourth Hospital))
- O07-3 Changes in the ocular and oral microbiome in patients with dry eye disease
Yuichi Okumura (Department of Ophthalmology, Juntendo University Graduate School of Medicine, Tokyo, Japan / Department of Telemedicine and Mobile Health, Juntendo University Graduate School of Medicine, Tokyo, Japan)

- O07-4 Characteristics of Ocular Symptoms in Hay Fever Exacerbated by Pollen, Yellow Dust, and PM2.5 Exposure
Ken Nagino (Juntendo University Graduate School of Medicine, Department of Ophthalmology, Tokyo, Japan / Juntendo University Graduate School of Medicine, Department of Hospital Administration; Tokyo, Japan / Juntendo University Graduate School of Medicine, Department of Telemedicine and Mobile Health, Tokyo, Japan)
- O07-5 Diagnosis of Dry Eye Disease in a Mouse Model Using Conjunctival Goblet Cell Imaging with Moxifloxacin-Based Fluorescence Microscopy
Hongkyun Kim (Department of Ophthalmology, Kyungpook National University School of Medicine, Korea)
- O07-6 Gene Expression Changes of Inflammaging in the Dry Eye Microenvironment
Tianxiang Huang (Department of Ophthalmology, Juntendo University Graduate School of Medicine)

9:58-10:30

Oral 08 : Artificial Intelligence 01

Chairpersons: **Hidenori Takahashi** (Jichi Medical University)

Hyun Kyung Cho (Department of Ophthalmology, Gyeongsang National University Changwon Hospital, Gyeongsang National University, School of Medicine)

- O08-1 Multimodal machine learning enables AI chatbot to diagnose ophthalmic diseases and provide high-quality medical responses: a model development and multicenter study
Ruiqi Ma (Fudan Eye & ENT Hospital)
- O08-2 Withdraw
- O08-3 Performance of GPT-4V(ision) and GPT-4o in Ophthalmology: Use of Images in Clinical Questions
Kosei Tomita (Department of Ophthalmology, Kawasaki Medical School, Okayama, Japan)
- O08-4 Cortical Cataract Severity Classification of Anterior Segment Retro Illumination Images Using Deep Learning.
Seung hye An (Sungkyunkwan University Department of Medicine, Seoul, Republic of Korea)

11:00-11:32

Oral 09 : Artificial Intelligence 02

Chairpersons: **Takenori Inomata** (Juntendo University Graduate School of Medicine, Department of Ophthalmology)
Shi Feng (Peking Union Medical College Hospital)

- O09-1 Assessing the Impact of AI-assisted Portable Slit Lamps on Rural Primary Ophthalmic Medical Service
Sile Yu (He University)
- O09-2 Quantifying Gender Differences in Orbital Morphology with Large MRI Datasets
Xi Chen (Beijing Friendship Hospital, Capital Medical University)
- O09-3 A deep learning model can detect the eyes receiving glaucoma medications based on anterior segment images
Shogo Arimura (Fukui university)
- O09-4 Deep Learning Classification of Bacterial Keratitis Activity with Cornea Extraction Algorithm using Three Types of Anterior Segment Images
Yeo Kyoung Won (Department of Ophthalmology, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, South Korea)

11:32-12:20

Oral 10 : Glaucoma/Optic Nerve 03

Chairpersons: **Kaho Akiyama** (The University of Tokyo)
Xinghuai Sun (Eye & Ent Hospital of Fudan University)

- O10-1 Exploring the Link between a New Systemic Inflammatory Response Index and Glaucoma: Insights from NHANES 2005-2008
Hui-Ying Liu (Eye Institute & Affiliated Xiamen Eye Center, School of Medicine, Xiamen University, Xiamen, Fujian, China.)
- O10-2 Withdraw
- O10-3 Genetic Profile of Childhood Glaucoma in China: Genotype-Phenotype Association
Qingdan Xu (Eye and ENT Hospital of Fudan University)
- O10-4 Surgical Results of Ahmed Glaucoma Valve Implantation among Groups Stratified by Prostaglandin-Associated Periorbitopathy Severity
Akiko Harano (Department of Ophthalmology, Shimane University Faculty of Medicine)
- O10-5 Association between the shape of the Circle of Zinn-Haller and the presence of glaucoma in highly myopic eyes
Won June Lee (Hanyang University College of Medicine / Hanyang University Seoul Hospital)
- O10-6 Study on pathogenesis and clinical transformation of MYOC mutant glaucoma
Jingxue Zhang (Beijing Institute of Ophthalmology)

13:00-13:50

Luncheon Seminar 02 :

Early surgical intervention in glaucoma treatment with iStent inject W

Glaukos Japan GK

Chairpersons: **Chan Yun Kim** (Yonsei University)

Masaru Inatani (Fukui University)

- LS2-1 Let me talk about the criteria for usage requirements for iStent inject W in Japan!
Masaru Inatani (Fukui University)
- LS2-2 Early Surgical Intervention and Patient Benefits
Kyoko Ishida (Toho Univ Ohashi HP)
- LS2-3 A comparison between the iStent inject W and Ab interno trabeculotomy, and new goniotomy techniques
Ryo Asaoka (Seirei Hamamatsu HP)

14:00-14:40

Oral 11 : Ocular Tumor/Oculoplasty 01

Chairpersons: **Takako Hidaka** (Miyazaki University)

Jianmin Ma (Beijing Tongren Hospital)

- O11-1 Correction of Enophthalmos after Orbital Trauma
Wei Lu (The Second Hospital of Dalian Medical University)
- O11-2 Ferroptosis vulnerability in MYCN–driven retinoblastoma
Yi Chen (Department of Ophthalmology, West China Hospital, Sichuan University, Chengdu, Sichuan, PR China)
- O11-3 Study on Ferritin Nanocarrier System in the Treatment of Advanced Retinoblastoma
Fuxiao Luan (Beijing Chaoyang Hospital, Capital Medical University)
- O11-4 Genotype-Phenotype Correlations in Retinoblastoma: A Comprehensive Analysis of 203 Cases
Yoo Jin Lee (Department of Medicine, Seoul National University College of Medicine, Seoul, Republic of Korea)
- O11-5 Symptoms and etiology of 32 cases of orbital apex syndrome
Yuta Yasaka (Department of ophthalmology, Kyushu University hospital)

14:40-15:12

Oral 12 : Ocular Tumor/Oculoplasty 02

Chairpersons: **Kosei Tomita** (Department of Ophthalmology, Kawasaki Medical School)
Kohei Sonoda (Kyushu University)

- O12-1 Periorbital hemangioblastoma in children treated by lateral orbitotomy (with literature review)
Bing Wang (Shandong Provincial Hospital affiliated to Shandong First Medical University)
- O12-2 Clinical and histopathological features of adolescents patients with lacrimal gland space-occupying lesions
Yun Li (Department of Ophthalmology, Shandong Provincial Hospital Affiliated to Shandong First Medical University)
- O12-3 Cosmetic eye ring surgery
Dongho Lee (Apgujeong Yonsei eye clinic)
- O12-4 Introduction of 3D Heads-up Surgery in Lacrimal Intubation
Kosei Tomita (Department of Ophthalmology, Kawasaki Medical School, Okayama, Japan)

15:12-15:44

Oral 13 : Strabismus/Pediatric Ophthalmology 02

Chairpersons: **Keiko Kunimi** (Kanagawa Dental University Yokohama Clinic / Kitasato University)
Dehai Zhu (Peking University First Hospital)

- O13-1 What we learned when a muscle slipped?
Chen Zhao (Eye & ENT Hospital, Fudan University)
- O13-2 A Study on the Quantitative Measurement of Stationary Eye Position in Patients with Nystagmus Using Dynamic EOG
Songmu Huang (Eye Institute and Affiliated Xiamen Eye Center of Xiamen University)
- O13-3 Analysis of Characteristics of 228 Children with Strabismus Combined with Other Systemic Diseases
Xue Xie (Xi'an Children's Hospital)
- O13-5 Binocularity-stimulating Treatment using Stereoscopic 3D Game in Patients with Amblyopia
Haeng-Jin Lee (Jeonbuk National University Hospital)

16:10-16:50

Oral 14 : Cataract/Refractive Surgery 01

Chairpersons: **Kyung Hwan Shyn** (Korean Ophthalmology Society)
Qing Pan (The First Hospital Affiliated to Zhejiang University School of Medicine)

- O14-1 Withdraw
- O14-2 Withdraw
- O14-3 A clinical observation of the prevention of capsular constriction syndrome by capsule tension ring in cataract operation with high myopia accompanied by suspension ligament relaxation
Yixin Cui (The first affiliated hospital of kunming medical university)
- O14-4 The association between vascular endothelial growth factor levels and the risk of senile cataract
Hongli Zhu (The 4th People's Hospital of Shenyang, China)
- O14-5 Rheumatoid Arthritis Increases Risk of Cataract and Cataract Surgery: A Nationwide Cohort Study
Junkyu Chung (Department of Ophthalmology, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea)

16:50-17:30

Oral 15 : Cataract/Refractive Surgery 02

Chairpersons: **Jong Soo Lee** (Pusan National University College of Medicine)
Mei Sun (Tianjin Medical University Eye Hospital)

- O15-1 To evaluate the agreement and repeatability of Auto-Refractor 2WIN-S for cycloplegic optometry in children and adolescents
Guanghao Qin (He Eye Specialist Hospital)
- O15-2 Suture-in-needle, closed-loop technique for repositioning a dislocated Akreos Adapt intraocular lens
Lei Wan (Eye Institute of Shandong First Medical University, Qingdao Eye Hospital of Shandong First Medical University)
- O15-3 Randomized, Multi-Center Clinical Trial to Evaluate Safety and Efficacy of a Novel Cross-linked Polyisobutylene (xPIB) IOL
Trin Peng (Clinical and Medical Affairs Xi'an Eyedead Medical Technology, Inc. Ltd)
- O15-4 Withdraw
- O15-5 Biomechanical change after KLEX surgery with visumax 500 and 800
Jiwon Jeong (Fatima eye clinic, Changwon, South Korea)

17:40-18:30

Afternoon Seminar 02 :

Cutting-edge technology worldwide! Innovative thermal treatment medical device for dry eye disease: Thermo-Mechanical Ablation System

Chairperson: **Reiko Arita** (Itoh Clinic, LIME working group)

AS2-1 Consideration of Japan's first multicenter clinical trial to evaluate the efficacy and safety of MGD treatment by forefront technology "TMA®"

Sayaka Sumazaki (Toho University Omori Medical Center)

AS2-2 Effectiveness of TMA® based on analyzing data and Clinical report of Forefront dry eye disease treatment

Reiko Arita (Itoh Clinic, LIME working group)

Saturday, November 9, 2024 Room 3

8:30-9:10

Oral 16 : Glaucoma/Optic Nerve 01

Chairpersons: **Kohta Fujiwara** (Kyushu University)

Chan Yun Kim (Yonsei university College of Medicine)

- O16-1 Features of Peripapillary Hyperreflective Ovoid Mass-Like Structures in Nonarteritic Anterior Ischemic Optic Neuropathy Patients and Normal Controls
Wenyu Wang (Department of Ophthalmology, Renmin Hospital of Wuhan University)
- O16-2 Analysis of the upstream macrocirculation using CDI and the optic nerve head microcirculation using OCT-A for patients with normal- and high-tension glaucoma
Wenbo Hou (Department II of Ophthalmology, The Eye Hospital, China Academy Of Chinese Medical Sciences,)
- O16-3 Quantitative Ultrasound Image Assessment of the Optic Nerve Subarachnoid Space during 90-day Head-Down Tilt Bed Rest
Yuan Xie (Beijing Tongren Hospital, Capital Medical University, Beijing Ophthalmology and Visual Sciences Key Laboratory)
- O16-4 Visual field of eyes with peripapillary intrachoroidal cavitation and its association with deep optic nerve head structural changes
Kaho Akiyama (The University of Tokyo)
- O16-5 Systemic Arterial Stiffness and Choroidal Microvascular Insufficiency on the Structural Progression of Normal Tension Glaucoma
Jihe Sara Lee (Yonsei University College of Medicine)

9:10-9:50

Oral 17 : Glaucoma/Optic Nerve 02

Chairpersons: **Masaru Inatani** (University of Fukui)

Huaizhou Wang (Beijing Tongren Hospital, Capital Medical University)

- O17-1 Etiology and case analysis of glaucoma with uveitis in northwest China
Yuan He (The Second Affiliated Hospital of Xi 'an Medical University)
- O17-2 Comparative effectiveness and safety of gonioscopy-assisted transluminal trabeculotomy with or without ab-interno canaloplasty
Huaizhou Wang (Beijing Tongren Hospital/Capital Medical University)
- O17-3 Superficial Macular Vascular Parameters in Both Eyes of Patients with Unilateral Primary Open-angle Glaucoma
Yanjiao Huo (Beijing Tongren Hospital)

- O17-4 Surgical outcomes of Baerveldt glaucoma implant versus Ahmed glaucoma valve in neovascular glaucoma: A multicenter study
Kentaro Iwasaki (University of Fukui)
- O17-5 Adjustable shape memory tube for glaucoma: laser-responsive, drug-eluting, safety-lock device for stepwise IOP control
Wungrak Choi (Institute of Vision Research, Department of Ophthalmology, Yonsei University College of Medicine, Seoul, Korea)

9:50-10:30

Oral 18 : Epidemiology/Low Vision 01

Chairpersons: **Yohei Yamashita** (Kyoto Prefectural University of Medicine)
Wei He (He Eye Specialist Hospital)

- O18-1 Large-scale study in Chengdu, China: the prevalence of myopia full-correction decreased with increasing myopia in adolescents
Jing Wei (Eye School of Chengdu University of TCM, Key Laboratory of Sichuan Province Ophthalmopathy Prevention & Cure and Visual Function Protection with TCM Laboratory, Retinal Image Technology and Chronic Vascular Disease Prevention & Control and Collabo / Ineye Hospital of Chengdu University of TCM, Sichuan Integrated Traditional Chinese and Western Medicine Myopia Prevention and Treatment Center, Sichuan Vision Protection Science Popularization Base, Chengdu, China)
- O18-2 20 Years Prevalence and Time Trends in Myopia Among Preschool Children in China
Zhe Pan (Peking University Third Hospital)
- O18-3 Comparison of Early onset of Myopia between Private and Public Kindergartens in Japanese Preschoolers
Tomoko Fujita (Department of Ophthalmology, Toho University Omori Medical Center)
- O18-4 Factors associated with visual acuity and refractive errors in Korean adults: The 2017-2020 Korean National Health and Nutrition Examination Survey
Han Ul Kim (Department of Ophthalmology, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, South Korea)
- O18-5 Cortical and subcortical reorganization of cerebral networks induced by congenital monocular blindness
Jingwen Ding (Beijing Tongren Hospital, Capital Medical University)

11:00-11:48

Oral 19 : Strabismus/Pediatric Ophthalmology 01

Chairpersons: **Saiko Matsumura** (Toho University Omori Medical Center)
Hae Jung Paik (Gachon University, Gil Medical Center,
 Department of Ophthalmology, Professor)

- O19-1 Effects of atropine 0.01% eye drops on macular vessel density and choroidal thickness in myopic children
Xintong Liang (Department of Ophthalmology, Peking University First Hospital, Beijing, China)
- O19-2 Withdraw
- O19-3 Study on the relationship between the structural characterization of eyelid appearance and astigmatism in children
Haihua Liu (Peking University First Hospital)
- O19-4 Withdraw
- O19-5 Refractive lens power for early onset of myopia in preschool children
Saiko Matsumura (Toho University Omori Medical Center)
- O19-6 Association between optic nerve morphology by handheld spectral domain optical coherence tomography and intracranial pathology in preterm infants
Hyeshin Jeon (Department of Ophthalmology, School of Medicine, Pusan National University, Busan, South Korea)

11:48-12:20

Oral 20 : Retina/Vitreous/Uvea 06

Chairpersons: **Shinichiro Chujo** (Mie university)
Yixin Cui (The First Affiliated Hospital of Kunming Medical University)

- O20-1 Effect of retinal venous pressure on visual and anatomic outcomes in eyes with central retinal vein occlusion receiving anti-vascular endothelial growth factor treatment
Han Zhang (China Medical University First Hospital)
- O20-2 Elucidation of protective mechanism of vision by MAIT cells in autoimmune uveitis
Chihiro Fukui (Kyushu University)
- O20-3 Recurrence Rate during 5-Year Period after Suspension of Anti-Vascular Endothelial Growth Factor Treatment for Neovascular Age-Related Macular Degeneration
Shinichiro Chujo (Mie University)
- O20-4 Cardiovascular and cerebrovascular adverse events associated with intravitreal anti-VEGF monoclonal antibodies: a WHO pharmacovigilance study
Jee Myung Yang (University of Ulsan College of Medicine/Asan Medical Center Seoul)

13:00-13:50

Luncheon Seminar 03 :

Unlock Eye Rejuvenation with AQUA CEL!

-The Ultimate Protocol for Youthful Eyes, Tears, and Radiant Skin-

Inami Co., Ltd./Technopia Co., Ltd./KBM Inc.

Chairperson: **Reiko Arita** (Itoh Clinic, LIME working group)

- LS3-1 Optimized protocol for symptomatic control of meibomian gland dysfunction using AQUACEL IPL
Kyoung Woo Kim (Department of Ophthalmology, Chung-Ang University College of Medicine)
- LS3-2 Don't Miss out! The Ultimate Protocol Unveiled for Dry eye, MGD and Chalazion
Reiko Arita (Itoh Clinic, LIME working group)
- LS3-3 The Current state of Aesthetic Ophthalmology in Japan
Kaori Sato (Medical Corporation Eiwakai)

14:00-14:40

Oral 21 : Basic Research 01

Chairpersons: **Masatoshi Fukushima** (Kyushu University)

Jingxue Zhang (Capital Medical University)

- O21-1 Uncovering the Role of Ferroptosis in Bietti Crystalline Dystrophy and Potential Therapeutic Strategies
Chang Shen (The First Affiliated Hospital, Zhejiang University School of Medicine)
- O21-2 Retinal Pigment Epithelium Damage and Mitochondrial Dysfunction in a Mouse Model of Bietti's Crystalline Dystrophy
Masatoshi Fukushima (Kyushu University)
- O21-3 Rapid generation of stably inherited RPGR-knockout beagle dog presents with X-linked retinitis pigmentosa by multiple gRNAs for gene editing
Dongchun Xie (MOE Key Laboratory of Gene Function and Regulation, State Key Laboratory of Biocontrol, School of Life Sciences, Sun Yat-sen University, Guangzhou, China)
- O21-4 New mechanism of retinitis pigmentosa caused by inadequate phospholipid recycling
Takashi Ono (Department of Ophthalmology, University of Tokyo Hospital / Laboratory of Microenvironmental and Metabolic Health Science, Center for Disease Biology and Integrative Medicine, Graduate School of Medicine, The University of Tokyo)
- O21-5 Investigating the effects of simulated high altitude on color discrimination
Yuchen Wang (Peking University Third Hospital)

14:40-15:20

Oral 22 : Basic Research 02

Chairpersons: **Takashi Ono** (University of Tokyo)

Fuxiao Luan (Beijing Chaoyang Hospital, Capital Medical University)

- O22-1 Diversity of UL55 cytomegalovirus eyes and blood
Tantri Lestari (Kyushu University)
- O22-2 YAP in RPE: Key Regulator of Retinal Function and Axial Length Control
Junhan Chen (Laboratory of Photobiology, Keio University School of Medicine, Tokyo, Japan)
- O22-3 Myopia induced by flickering light in C57BL/6 mice: from refractive state to fundus fuction
Mengmeng Wang (Hebei Eye Hospital)
- O22-4 The suprachoroidal nucleus regulates ipsilateral choroidal thickness
Ziyan Ma (Laboratory of Photobiology, Keio University School of Medicine, Tokyo, Japan. / Department of Ophthalmology, Keio University School of Medicine, Tokyo, Japan.)
- O22-5 Closure Mechanism of Amniotic Membrane Transplantation in a Rabbit Macular Hole Model
Hiroshi Tanaka (Kyoto Prefectural University of Medicine)

15:20-16:00

Oral 23 : Epidemiology/Low Vision 02

Chairpersons: **Weikun Hu** (Tongji Hospital, Tongji Medical College, Huazhong University of Science and Technology)

Kyung Eun Han (Ewha Womans University Mokdong Hospital)

- O23-1 Comparative analysis of visual quality of intraocular lens fixed by suture of ciliary sulcus and flat ciliary body
Wenting Wang (weifang eye hospital)
- O23-2 Relationship Between Visual Acuity and Sarcopenia in Kyoto Longevity Cohort Study
Yohei Yamashita (Department of Ophthalmology, Kyoto Prefectural University of Medicine, Kyoto, Japan)
- O23-3 The characteristics of Korean Leber hereditary optic neuropathy: analysis of pedigrees
Dong Hee Ha (Chung-Ang University College of Medicine)
- O23-4 Ocular Biometric Parameters of the Anterior Segment in Korean Adults and Their Correlations
Won Seok Song (Department of Ophthalmology, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Republic of Korea)

- O23-5 Recovery of ophthalmic surgery numbers at Keio University following the COVID-19 outbreak

Naoya Tonegawa (Keio University)

16:10-16:50

Oral 24 : Cornea/Ocular Surface 03

Chairpersons: **Takahiko Hayashi** (Nihon University)

Guigang Li (Tongji Hospital, Tongji Medical College, Huazhong University of Science and Technology)

- O24-1 The positive effect of Descemet membrane endothelial keratoplasty staged after cataract surgery using the presbyopia-correcting intraocular lens implantation in patients with coexisting Fuchs endothelial corneal dystrophy and cataract

Hideaki Yokogawa (Kanazawa University)

- O24-2 Busin glide-assisted pull-through insertion of artificial corneal endothelium (EndoArt)

Akira Kobayashi (Department of Ophthalmology, Kanazawa University Hospital, Ishikawa, Japan)

- O24-3 Clinical Characteristics and Viral Colonization of Corneal Donors with Coronavirus Disease 2019: A Comprehensive Analysis Before and After Corneal Transplantation

Shuo Yang (Eye Center, The Second Affiliated Hospital, School of Medicine, Zhejiang University)

- O24-4 Withdraw

- O24-5 Withdraw

16:50-17:30

Oral 25 : Cornea/Ocular Surface 04

Chairpersons: **Yuichi Okumura** (Juntendo University)

Yun Yang (Eye & Ent Hospital of Fudan University)

- O25-1 Progress of application of SPMs in ocular surface inflammatory diseases

Ping Ying (The first affiliated hospital of Nanchang university)

- O25-2 Association between Tear Fluid Lymphotoxin-Alpha Concentration and Conjunctival Microenvironment in Patients with Dry Eye Disease

Yun Yang (Department of Ophthalmology, Eye & ENT Hospital, Fudan University, Shanghai, China / NHC Key laboratory of Myopia and Related Eye Diseases; Key Laboratory of Myopia and Related Eye Diseases, Chinese Academy of Medical Sciences, Shanghai, China / Shanghai Key Laboratory of Visual Impairment and Restoration, Shanghai, China)

- O25-3 Evaluation of Ocular Surface Blood Flow Alterations Using Laser Speckle Flowgraphy in Cases of Phlyctenular Keratitis

Kosei Suzuki (Toho University Omori Medical Center)

- O25-4 Culture media derived from adipose-derived mesenchymal stem cells promoted human corneal epithelial cell wound healing in vitro by activating cell cycle process with higher levels of growth factors
Mako Okamoto (Juntendo University Graduate School of Medicine, Department of Ophthalmology, Tokyo, Japan)
- O25-5 Changes in platelet-rich plasma composition associated with corneal epithelial wound healing in different storage
Yuki Morooka (Department of Ophthalmology, Juntendo University Graduate School of Medicine, Tokyo, Japan)