

## Program | e-poster

\* : will be presented at "Distinguished poster LIVE session"

### Basic medicine

- P-01\*** Roles of adipocyte metabolism on synthesis of photoreceptors outer segments and retinal senescence  
Ryo Terao  
The University of Tokyo, Japan/Washington University School of Medicine in St. Louis, USA
- P-02\*** Choroidal vasculature is essential for maintenance of retinal pigment epithelium and photoreceptors  
So Goto  
School of Optometry and Vision Science, University of California, Berkeley, California, USA/Laboratory for Retinal Regeneration, RIKEN Center for Developmental Biology, Kobe, Japan/Department of Ophthalmology, Osaka University Graduate School of Medicine, Suita, Japan
- P-03** The association between regulator of G-protein signaling 5 (RGS5) and VEGF in PDR  
Kei Furushima  
Kurume University School of Medicine, Japan
- P-04** Suppression of retinal degeneration by endothelin receptor antagonists in Prominin-1 KO mice  
Yuka Kobayashi  
Department of Ophthalmology, Yamaguchi University Graduate School of Medicine, Japan
- P-05** Steroids change SLC7A5 gene expression and transport activity in ARPE19 cells  
Norihiro Misawa  
Osaka Metropolitan University Graduate School of Medicine, Japan

### Diagnosis/Examination

- P-06** Presumed Glial Sprouts as a Predictor of Pre-Retinal Neovascularization in Retinal Vein Occlusion  
Kotaro Tsuboi  
Oregon Health and Science University, USA/Aichi Medical University, Japan
- P-07** Fungal endophthalmitis caused by *Candida rugosa*  
Soichiro Yamamoto  
Saga University, Japan
- P-08** Alterations of choroidal circulation and vascular morphology in chronic myeloid leukemia  
Satoru Kase  
Hokkaido University, Department of Ophthalmology, Japan
- P-09** Non-invasive evaluation of a vasoproliferative retinal tumor treated with cryopexy  
Tetsuya Tanimukai  
Department of Ophthalmology, Faculty of Medicine and Graduate School of Medicine, Hokkaido University, Japan

**Retinal detachment**

- P-10\*** Pigmentary degeneration in eyes with rhegmatogenous retinal detachment  
Midori Ideyama  
Kyoto University, Japan
- P-11\*** Treatment of tractional retinal detachment in eyes with familial exudative vitreoretinopathy  
Tomoyuki Oga  
KINDAI, Japan
- P-12\*** Factors affecting retinal re-detachment following silicone oil removal  
Matthew Ryan Starr  
Mayo Clinic, USA/Wills Eye Hospital, USA
- P-13** Evaluation of the air tamponade selection criteria for retinal detachment: A prospective study  
Madoka Nakamura  
Yamagata University, Japan
- P-14** Recurrent retinal detachment in a child with morning glory syndrome and intellectual disability  
Tomoko Sato  
KINDAI University, Japan

**Diabetic retinopathy**

- P-15\*** Deletion of Tgf $\beta$  signal in activated microglia prolongs hypoxia-induced retinal neovascularization  
Ayumi-Usui Ouchi  
Juntendo University Urayasu Hospital, Japan/Scripps Research, USA
- P-16\*** Diabetic Retinopathy Classification using Deep Residual Convolutional Neural Network Algorithm  
Rifaldy Fajar  
Yogyakarta State University, Indonesia
- P-17** Faricimab in Diabetic Macular Edema (DME): 2-Year Results From the Phase 3 YOSEMITE and RHINE Trials  
Toshinori Murata  
Shinshu University, Nagano, Japan
- P-18** Angiopoietin-2 Signalling and Vascular Stability With Faricimab in Diabetic Macular Edema (DME)  
Susumu Ishida  
Hokkaido University, Hokkaido, Japan
- P-19** Comprehensive influences of systemic factors and vitreous fluid cytokines in pathology of PDR  
Tomohito Sato  
Department of Ophthalmology, National Defense Medical College, Japan
- P-20** Predictive factors for incidence of macula edema and vitreous hemorrhage in PDR eyes  
Koichi Nagura  
Department of Ophthalmology, National Defense Medical College, Japan

- P-21**      **Microperimetry for evaluating anti-VEGF therapy for DME patients with relatively good vision**  
Masahiko Sugimoto  
Mie University Graduate School of Medicine, Japan
- P-22**      **Correlation between values of systemic factors and vitreous fluid cytokines in PDR patients**  
Kaoruko Tsuzuki  
Department of Ophthalmology, National Defense Medical College, Japan
- P-23**      **A case of proliferative diabetic retinopathy whose laboratory data do not indicate diabetes mellitus**  
Shun Ito  
Shinshu University, Japan
- P-24**      **OCTA findings before and after onset of foveal retinal neovascularization in diabetic retinopathy**  
Shun Nakayama  
Shinshu University, Japan
- P-25**      **Evaluation of Fundus Autofluorescence in Laser Photocoagulation Scars for Diabetic Retinopathy**  
Toshiya Kimura  
Department of Ophthalmology and Visual Science, Nagoya City University Graduate School of Medical Sciences, Japan/Komono Kousei Hospital, Japan

#### Retinal vein occlusion

- P-26\***      **Foveal Thickness Fluctuation in Anti-VEGF Treatment for Branch Retinal Vein Occlusion**  
Daisuke Nagasato  
Tsukazaki Hospital, Japan/Department of Technology and Design Thinking for Medicine, Hiroshima University, Japan/Department of Ophthalmology, Institute of Biomedical Sciences, Tokushima University Graduate School, Tokushima, Japan
- P-27\***      **Association between retinal vein occlusion and early-stage hypertension: a large database study**  
Yohei Hashimoto  
Department of Ophthalmology, The University of Tokyo, Japan/Department of Clinical Epidemiology and Health Economics, School of Public Health, The University of Tokyo, Japan
- P-28**      **Evaluating retinal blood flow by laser speckle flowgraphy in branch retinal vein occlusion**  
Rie Osaka  
Kagawa University, Japan
- P-29**      **Anti-VEGF therapy improves retinal sensitivity in CRVO patients and macular edema**  
Hidetaka Noma  
Tokyo Medical University Hachioji Medical Center, Japan
- P-30**      **Explanatory variables for classification of good VA in patients with BRVO using machine learning**  
Shinichiro Chujo  
Mie University Hospital, Japan



- P-31** Alteration of plasma von Willebrand factor in the treatment of branch retinal vein occlusion  
Hiromasa Hirai  
Department of Ophthalmology, Nara Medical University, Japan
- P-32** Effect of switch from ranibizumab to aflibercept for macular edema in branch retinal vein occlusion  
Setsuko Kawakami  
Tokyo Medical University, Japan
- P-33** Efficacy-based aflibercept regimens for central retinal vein occlusion with macular edema  
Masahiko Shimura  
Tokyo Medical University Hachioji Medical Center, Japan
- P-34** Refractory Macular Edema of Eyes with Branch Retinal Vein Occlusion Examined by Adaptive Optics OCT  
Naomi Nishigori  
Kyoto University, Japan
- P-35** Retinal hemorrhage detected by the ultra-widefield red channel image and perfusion status in CRVO  
Shin Tanaka  
Yokohama City University School of Medicine, Japan
- P-36** Choroidal blood flow imbalance as a predictive factor of macular edema recurrence secondary to BRVO  
Ryuya Hashimoto  
Toho University Sakura Medical Center, Japan/University of Iowa, USA

#### Macular hole/Epiretinal membrane

- P-37\*** Comparisons of Clinical Characteristics and Surgical Outcomes of ERM Foveoschisis to Typical ERM  
Taku Sasaki  
Mie University Graduate School of Medicine, Japan
- P-38\*** The relationship between operative retinal artery angle and metamorphopsia in eyes with ERM  
Kentaro Nakamura  
Yokohama City University, Japan
- P-39\*** Ocular factors related to preoperative enlargement of idiopathic macular hole diameter  
Naohisa Mihara  
Kagoshima University, Japan
- P-40\*** Efficacy of fovea-sparing internal limiting membrane peeling for epiretinal membrane foveoschisis  
Jiro Kogo  
St. Marianna University School of Medicine, Japan
- P-41\*** En face image-based technique to remove the ERM without damaging the ILM  
Ryo Matoba  
Okayama University, Japan

- P-42** Preoperative OCT features contributing to predict postoperative VA in MH using machine learning  
Yoko Mase  
Mie University, Japan
- P-43** Amniotic membrane transplantation for a rabbit macular hole model  
Hiroshi Tanaka  
Kyoto Prefectural University of Medicine, Japan
- P-44** Foveal Microstructure with Poor Visual Outcomes in Epiretinal Membrane: an Adaptive Optics OCT Study  
Masaharu Ishikura  
Kyoto University, Japan
- P-45** Relationship between visual function and retinal structure before and after surgery for ERM  
Ryoma Kamada  
Akita University, Japan
- P-46** Autologous Peripheral Retinal Transplants by Tucking Graft into Refractory Macular Holes  
Keiko Yamada  
Department of Ophthalmology, Faculty of Medicine, Osaka University, Osaka, Japan

#### Macular edema

- P-47** A case of macular edema with racemose hemangioma and multiple evanescent white dot syndrome  
Tomoka Ishida  
Kyorin University, Japan
- P-48** Evaluation of microaneurysms in anti-VEGF-resistant diabetic macula edema  
Tadahiko Ogata  
Yamaguchi University Graduate School of Medicine, Japan

#### Central serous chorioretinopathy

- P-49\*** Scleral thickness in steroid-induced central serous chorioretinopathy  
Shota Sawaguchi  
University of the Ryukyus, Japan
- P-50\*** Relationship between scleral thickness and choroidal structure in central serous chorioretinopathy  
Naoya Imanaga  
University of the Ryukyus, Japan
- P-51\*** Genes associated with occurrence of macular neovascularization in central serous chorioretinopathy  
Yuki Mori  
Kyoto University, Japan
- P-52** Effect of photodynamic therapy on whole choroid with ultra-widefield optical coherence tomography  
Ryoh Funatsu  
Kagoshima City Hospital, Japan



- P-53** A novel way to estimate choroidal vascular hyperpermeable area in central serous chorioretinopathy  
Keiko Azuma  
The University of Tokyo, Japan

#### Age-related macular degeneration

- P-54\*** Nationwide Incidence and Real-world Clinical Practice of Exudative Age-related Macular Degeneration  
Ai Kido  
Kyoto University, Japan
- P-55\*** Pharmacokinetic Profile of the Port Delivery System With Ranibizumab in the Phase 3 Archway Trial  
John Kitchens  
Retina Associates of Kentucky, Lexington, KY, USA
- P-56\*** Racial differences in presentation and outcomes of polypoidal choroidal vasculopathy  
Hisashi Fukuyama  
Hyogo College of Medicine, Japan/Northwestern University, USA
- P-57\*** Risk factors associated with development of exudation in fellow eyes of neovascular AMD  
Chinmayi Himanshuroy Vyas  
Singapore Eye Research Institute, Singapore National Eye Centre, Singapore
- P-58** Evaluation of RPE changes in serous pigment epithelial detachment in AMD  
Masahiro Miura  
Tokyo Medical University, Ibaraki Medical Center, Japan
- P-59** Faricimab in nAMD: Updated Week 48 Results From the Phase 3 TENAYA and LUCERNE Trials  
Hideki Koizumi  
University of the Ryukyus, Japan
- P-60** Outcomes of anti-VEGF treatment of nAMD in different secondary medical areas of Mie Prefecture  
Hisashi Matsubara  
Mie University, Japan
- P-61** One-year outcomes of intravitreal brolucizumab injections for polypoidal choroidal vasculopathy  
Arisa Ito  
Yokohama City University Medical Center, Japan
- P-62** Choriocapillaris Flow Imbalance in Fellow Eyes in Age-related Macular Degeneration  
Norihiro Nagai  
St. Luke's International Hospital, Japan
- P-63** The Port Delivery System with Ranibizumab for nAMD and DME: Phase 1/2 study design in Japan  
Kazuaki Kadonosono  
Yokohama City University, Yokohama, Japan

- P-64** Recurrence of age-related macular degeneration after cessation of treat-and-extend regimen  
Yuki Hirata  
Nagasaki University Hospital, Japan
- P-65** The effectiveness of ranibizumab and aflibercept for age-related macular degeneration (UNITE Study)  
Nao Aisu  
Kyoto University, Japan
- P-66** Short-term results of the treatment of AMD which switched to brolucizumab under the antiVEGF therapy  
Yoshimi Nagai  
Kansai Medical University, Japan
- P-67** Distance between images measurement in the progression in Geographic atrophy  
Moeko Kawai  
Tokyo Womens Medical University, Japan

#### Retinal dystrophies

- P-68\*** Deterioration of phagocytosis in iPSC-RPE cells from patients with RP carrying MERTK mutations  
Miho Tagawa  
Department of Ophthalmology and Visual Sciences, Kyoto University Graduate School of Medicine, Japan
- P-69\*** Targeting Circulating Inflammatory Monocytes to Combat Cone Cell Death in Retinitis Pigmentosa  
Yusuke Murakami  
Kyushu University, Japan
- P-70\*** Clinical finding in eyes with BEST1 related retinopathy complicated by choroidal neovascularization  
Mai Miyagi  
Nagoya University Graduate School of Medicine, Japan
- P-71** Protective effect of branched chain amino acids in mouse models of retinal degeneration  
Tomoko Hasegawa  
Kyoto University, Japan
- P-72** Maternal uniparental isodisomy of chromosome 4 and 8 in patients with retinal dystrophy  
Nobutaka Tachibana  
Hamamatsu University School of Medicine, Japan
- P-73** Cone dystrophy without fundus abnormalities in patient with PROM1 mutation  
Takuma Futami  
University of Occupational and Environmental Health, Japan
- P-74** Prediction of visual field by sector-wise peripapillary vessel density in retinitis pigmentosa  
Tatsuya Inoue  
Yokohama City University, Japan



## Surgery

- P-75\***      **Development of robotic endoscope and illuminator holder for vitreoretinal surgery**  
Koh-Hei Sonoda  
Kyushu University, Japan
- P-76**      **A novel technique for subretinal hematoma migration: moving to artificial retinal detachment**  
Erina Goda  
Kagawa University Hospital, Japan
- P-77**      **Outcomes of Epiretinal Proliferation Embedding for Lamellar Macular Hole and Secondary Macular Hole**  
Masaki Fukushima  
Takaoka City Hospital, Japan/Toyama University, Japan
- P-78**      **Submacular Hemorrhage Secondary to AMD Treated with PPV and Subretinal Injection of T-PA and Air**  
Maasa Ogata  
Hyogo Prefectural Amagasaki General Medical Center, Japan
- P-79**      **ILM peeling may reduce retinal tissue blood flow**  
Kaku Itoh  
Muroran City General Hospital, Japan
- P-80**      **A case of choroidal suture for choroidal laceration**  
Shunogo Nishiyama  
Akita University, Japan
- P-81**      **Efficacy of aspirating fluid in cystoid lesion associated with diabetic macular edema**  
Keijiro Ishikawa  
Department of Ophthalmology, Graduate School of Medical Sciences, Kyushu University, Japan
- P-82**      **Bridging suture technique to repair iris capture after intrascleral fixation of intraocular lens**  
Makoto Inoue  
Kyorin University, Japan
- P-83**      **Autologous neurosensory retinal flap transplantation for refractory macular hole**  
Yusuke Arai  
Jichi Medical University, Japan
- P-84**      **Novel management of an exposed haptic after flanged intrascleral intraocular lens fixation**  
Naoto Sato  
Suzuki Eye Group, Japan
- P-85**      **Suprachoroidal hemorrhage associating with 27-gauge pars plana vitrectomy: Report of two cases**  
Aya Takahashi  
Department of Ophthalmology, Kyorin University School of Medicine, Japan



## Treatments other than surgery

- P-86\*** Investigating the role of a novel metabolic regulator in the eye  
Sze Yuan Ho  
Centre of Vision Research, Duke-NUS Medical School, Singapore/Singapore Eye Research Institute, Singapore
- P-87** Development of new neuroprotective treatment—a phase 1/2 clinical trial on CRAO with KUS121  
Hanako Ohashi Ikeda  
Kyoto University, Japan
- P-88** Maculopathy associated with cavitory optic disc anomalies treated with anti-glaucoma medications  
Masaharu Mizuno  
Kyorin University, Japan
- P-89** Personalized anti-inflammatory medication for autoimmune uveitis by in vitro drug screening  
Yoko Nakai Futatsugi  
Kobe City Eye Hospital, Japan

## Other categories

- P-90\*** Real-world Long-term Treatment Result of Retinopathy of Prematurity: A Multicenter Cohort Study  
Tomoya Murakami  
J-CREST / University of Tsukuba, Japan
- P-91\*** Analysis of immunogenicity of MHC class II knockout iPSC-derived retinal pigment epithelial cells  
Masaaki Ishida  
Riken Laboratory for Retinal Regeneration, Japan/Department of Biological Sciences, Graduate School of Medicine, Kyoto University, Japan/Department of Ophthalmology, Toyama University, Japan
- P-92\*** Automatic determination of choroidal vascular hyperpermeability  
Takaaki Sugisawa  
Hyogo College of Medicine, Japan
- P-93\*** Analysis of the Pachychoroid Phenotype in an Asian Population  
Wendy Wong  
Department of Ophthalmology, National University Hospital, Singapore
- P-94** SS-OCT angiography is not beneficial for predicting systemic severity in hATTR amyloidosis  
Shinji Kakihara  
Department of Ophthalmology, Shinshu University School of Medicine, Japan
- P-95** A case of MPO-ANCA positive paracentral acute middle maculopathy  
Kanae Fukutsu  
Hokkaido University, Japan
- P-96** Choroidal metastasis from advanced-stage lung cancer improved with osimertinib  
Ikuko Umeda  
Chiba University, Japan