

## Program | Saturday, March 25

7:50-8:00

Room1

### Opening

8:00-9:20

Room1

### Science session (Medical) 1 AMD & CSC

Chairs: Annabelle Ayame Okada (Kyorin University)  
Kenneth Fong (OasisEye Specialists)  
Tomohiro Iida (Tokyo Women's Medical University)

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- M1-1** Home Monitoring of AMD through Telemedicine  
8:00-8:07 Judy E. Kim  
Medical College of Wisconsin
- M1-2** Comparison of functional and morphological changes between brolocizumab and faricimab in age-related macular degeneration  
8:07-8:14 Maiko Inoue  
Department of Ophthalmology and Micro-Technology, Yokohama City University
- M1-3** Microbial Diversity and Abundance of Anaerobic Microbes in the Blood of Age-related Macular Degeneration Patients  
8:14-8:21 Kyu-Hyung Park  
Seoul National University Hospital
- M1-4** Complement Inhibition for Geographic Atrophy  
8:21-8:28 Caroline R. Bauman  
New England Eye Center, Tufts Medicine, Boston
- M1-5** Treatment options for CSCR in the absence of PDT laser  
8:28-8:35 Kenneth Fong  
OasisEye Specialists
- M1-6** Relationship between acute and chronic central serous chorioretinopathy  
8:35-8:42 Kenji Yamashiro  
Kochi Medical School, Kochi University
- M1-7** Intravitreal aflibercept 8 mg in nAMD: 48-Week results from the Phase 3 PULSAR Trial  
8:42-8:49 Shigeru Honda  
Osaka Metropolitan University Graduate School of Medicine
- M1-8** Vortex vein congestion in the monkey eye: A possible animal model of pachychoroid  
8:49-8:53 Hidetaka Matsumoto  
Rapid Fire Department of Ophthalmology, Gunma University Graduate School of Medicine, Maebashi
- M1-9** Treatment Outcomes of Half-Dose Photodynamic Therapy Combined with Aflibercept for Pachychoroid Neovascularopathy  
8:53-8:57 Keiko Kataoka  
Rapid Fire Kyorin University
- 8:57-9:20 Discussion

9:20-10:35

Room1

**Science session (Medical) 2    Imaging & AI**

Chairs: Kyoko Ohno-Matsui (Tokyo Medical and Dental University)  
 Elise Philippakis (Lariboisiere Hospital, Paris)  
 Tsutomu Yasukawa (Nagoya City University)

- M2-1**    **Optoretinography with OCT for functional imaging of neural activity in the retina**  
 9:20-9:27    Yoko Miura  
 Institute of Biomedical Optics, University of Luebeck
- M2-2**    **Choroidal thickness and vessel pattern in myopic eyes with dome-shaped macula**  
 9:27-9:34    Elise Philippakis  
 Lariboisiere Hospital, Paris
- M2-3**    **The microbiome and the eye**  
 9:34-9:41    Martin S. Zinkernagel  
 University Hospital Bern, Inselspital
- M2-4**    **Pathologies in Epiretinal Membrane: An Adaptive Optics Optical Coherence Tomography Study**  
 9:41-9:48    Yuki Muraoka  
 Department of Ophthalmology and Visual Sciences, Kyoto University Graduate School of Medicine
- M2-5**    **Blood flow pattern in eye before development of type 3 macular neovascularization**  
 9:48-9:55    Ichiro Maruko  
 Tokyo Women's Medical University
- M2-6**    **Managing Macular Disease in the Setting of Advanced Glaucoma**  
 9:55-10:02    Rajendra S. Apte  
 Washington University in St. Louis School of Medicine
- M2-7**    **Global Trend for AI Innovation in Ophthalmology**  
 10:02-10:09    Daniel Ting  
 Singapore National Eye Center
- M2-8**    **Neural-network-measured retinal vascular area is associated with cardio-ankle vascular index**  
 10:09-10:13    Kanae Fukutsu  
 Rapid Fire    Department of Ophthalmology Faculty of Medicine and Graduate School of Medicine, Hokkaido University
- 10:13-10:35    **Discussion**

10:35-10:55

Room1

**Coffee break**

10:55-11:25

Room1

## Panel session 1 How to treat this?

Chairs: Ramin Tadayoni (University of Paris Cité)  
Fumi Gomi (Hyogo College of Medicine)

### Panelists

- Caroline R. Bauman  
New England Eye Center, Boston
- Andreas K. Lauer  
Casey Eye Institute - Oregon Health & Science University
- Martin S. Zinkernagel  
University Hospital Bern, Inselspital
- Tomoko Consolvo Ueda  
Toyama University
- Hiroto Terasaki  
Kagoshima University
- Hidetaka Matsumoto  
Department of Ophthalmology, Gunma University Graduate School of Medicine, Maebashi
- Akitaka Tsujikawa  
Department of Ophthalmology and Visual Sciences, Kyoto University Graduate School of Medicine

11:25-12:30

Room1

## Science session (Surgical) 1 Macular surgery : technique and imaging

Chairs: Shinji Ueno (Hirosaki University)  
Masahito Ohji (Shiga University of Medical Science)  
Allen C. Ho (Wills Eye Hospital, Thomas Jefferson University)

- S1-1** ILM peel size - what is optimum for idiopathic full thickness macular holes ?  
11:25-11:32 Results of an individual participant data analysis of RCTs  
David Steel  
Sunderland Eye Infirmary
- S1-2** Resolution of myopic foveoschisis with and without surgery  
11:32-11:39 Elise Philippakis  
Lariboisiere Hospital, Paris
- S1-3** Impact of Henle fiber layer hemorrhage on the visual prognosis of submacular hemorrhage due to retinal arterial macroaneurysm rupture  
11:39-11:46 Yuki Morizane  
Okayama University
- S1-4** Macular structure and visual function changes in glaucoma-associated macular hole  
11:46-12:53 Hiroko Terashima  
Niigata University
- S1-5** Functional macular assessment in vitreomaculathy  
11:53-12:00 Andrew Chang  
Sydney Retina Clinic. Sydney Eye Hospital. Sydney University

**S1-6** Complicated macular hole, hydrodissection, or ART

12:00-12:07 Makoto Inoue

Kyorin Eye Center, Kyorin University School of Medicine

**S1-7** Effect of the ocular shape of the macula on hole findings in idiopathic macular hole differs depending on the stage of the macular hole

12:07-12:11

Rapid Fire Hiroto Terasaki

Kagoshima University

12:11-12:30 Discussion

**12:45-13:45****Room1****Luncheon seminar 1** Translating molecular basis into therapeutic advances in retinopathy of prematurity

Chair: Susumu Ishida (Hokkaido University)

**Speaker**

Yoko Fukushima

Osaka University

Sponsors: Bayer Yakuhin, Ltd. / Santen Pharmaceutical Co.,Ltd.

**12:45-13:45****Room 2****Luncheon seminar 2** The Evolution of Visualization and Vitreous Surgery

Chair: Kazuaki Kadonosono (Department of Ophthalmology and micro-technology, Yokohama City University)

**Speaker** Why 27G? evolution of HYPERVIT

Kentarō Kojima

Kyoto Prefectural University of Medicine

**Speaker** Basic and Practical Uses of 3D Visualization

Kotaro Tsuboi

Aichi Medical University

**Speaker** Retinal Surgery with 3D Visualization: More options for better outcomes

Susumu Sakimoto

Osaka University

Sponsor: Alcon Japan Ltd

13:55-14:35

Room1

## Science session (Surgical) 2 Retinal detachment surgery

Chairs: Takatoshi Maeno (The Toho University Sakura Medical Center)  
 Akito Hirakata (Kyorin University)  
 Andrew Chang (Sydney Retina Clinic. Sydney Eye Hospital. Sydney University)

- S2-1** Retinal Detachment in Tumors  
 13:55-14:02 Palanivelu Shanmugam Mahesh  
 Sankara Eye Hospital
- S2-2** Tube shunt surgery after encircling buckle  
 14:02-14:09 Takayuki Baba  
 Chiba University
- S2-3** Pneumatic Retinopexy in Difficult Cases with Rhegmatogenous Retinal Detachment  
 14:09-14:16 Gürsel Yilmaz  
 Baskent University Medicine Faculty
- S2-4** Impact of duration of macular detachment on aniseikonia and metamorphopsia after vitrectomy for rhegmatogenous retinal detachment  
 14:16-14:20 Rapid Fire Hisashi Fukuyama  
 Hyogo college of Medicine
- S2-5** Treatment for the pediatric PVR cases  
 14:20-14:24 Rapid Fire Tomoka Ishida  
 Kyorin Eye Center
- 14:24-14:35 Discussion

14:35-15:45

Room1

## Science session (Medical) 3 Retinal Vascular Diseases

Chairs: Nahoko Ogata (Nara Medical University)  
 Ramin Tadayoni (University of Paris Cité)  
 Hideki Koizumi (University of the Ryukyus)

- M3-1** Using high resolution imaging to understand diabetic retinopathy: imaging pericytes, non-perfusion and retinal blood flow  
 14:35-14:42 Amani A. Fawzi  
 Northwestern University
- M3-2** Faricimab Year 2 Outcomes for Diabetic Macular Edema and Neovascular Age-related Macular Degeneration  
 14:42-14:49 Yuichiro Ogura  
 Nagoya City University/Genentech, Inc.
- M3-3** OCTA non-perfusion can detect high risk diabetic retinopathy and predict progression  
 14:49-14:56 Amani A. Fawzi  
 Northwestern University
- M3-4** Neuroprotective effect of senolysis in diabetes model mouse  
 14:56-15:00 Rapid Fire Ayana Suzumura  
 Department of Ophthalmology, Nagoya University Graduate School of Medicine

- M3-5** Non-vasogenic cystoid maculopathies: recent understanding and treatments  
15:00-15:07 Ramin Tadayoni  
University of Paris Cité
- M3-6** Management of non-AMD Sub-macular Hemorrhage  
15:07-15:14 Rajendra S. Apte  
Washington University in St. Louis School of Medicine
- M3-7** Quality of life and visual function in patients with macular edema caused by branch retinal vein occlusion  
15:14-15:18 Rapid Fire Yoshimi Sugiura  
University of Tsukuba
- M3-8** The role of active vasoconstriction in the pathogenesis of retinal vein occlusion (RVO)  
15:18-15:25 Teruyo Kida  
Department of Ophthalmology, Osaka Medical and Pharmaceutical University
- 15:25-15:45 Discussion

15:45-16:05

Room1

**Coffee break**

16:05-16:50

Room1

**Retinal Surgery Showcase**

Organizer: Kourous A. Rezaei (Rush University Medical Center/Illinois Retina Associates)

**Panelists****Autologous Retinal Transplantation (ART)**

Kazuaki Kadonosono

Department of Ophthalmology and micro-technology, Yokohama City University

**Transvitreal Feeder Vessel Ligation and en Bloc Resection of a Retinal Capillary Hemangioblastoma**

Christina Y. Weng

Baylor College of Medicine, Cullen Eye Institute

**Lamellar macular hole in a highly myopic eye**

Ramin Tadayoni

University of Paris Cité

**Subretinal Gene Therapy**

Allen C. Ho

Wills Eye Hospital, Thomas Jefferson University

**Intraocular Foreign Body**

Andrew Chang

Sydney Retina Clinic. Sydney Eye Hospital. Sydney University

**Endoscopic Silicone Oil Removal**

Shintaro Nakao

Juntendo University

### Extended ILM Peeling for PVR

Yoshihiro Yonekawa

Wills Eye Hospital, Mid Atlantic Retina, Thomas Jefferson University

### Intraoperative Choroidals

Shu-Yen Lee

Singapore National Eye Centre

### Retinal Impact

David Steel

Sunderland Eye Infirmary and Newcastle University

16:50-17:20

Room1

## Science session (Surgical) 3 Diabetic retinopathy treatment

Chairs: Iwase Takeshi (Akita University)

Toshinori Murata (Shinshu University)

Kyu-Hyung Park (Seoul National University Hospital)

### S3-1 Data Driven DR Management

16:50-16:57 Judy E. Kim

Medical College of Wisconsin

### S3-2 VEGF-derived Local Proliferation of Vitreous Resident Macrophages in Diabetic Retinopathy

16:57-17:04

Shintaro Nakao

Juntendo University

### S3-3 Diabetic Vitrectomy - is there a role in the age of anti-VEGF

17:04-17:11 Shu-Yen Lee

Singapore National Eye Centre

17:11-17:20 Discussion

17:20-17:40

Room1

## Poster Presentation

Chairs: Fumi Gomi (Hyogo College of Medicine)

Makoto Inoue (Kyorin Eye Center, Kyorin University School of Medicine )

**1(P-29)** Six years follow-up of Type 1 ROP Treated with Intravitreal Injection of Ranibizumab and Bevacizumab

17:20-17:23

Travel grant recipients Hsiao Fan Tung

Changhua Christian Hospital

**2(P-42)** Full Thickness Macular Hole After Vitrectomy for Rhegmatogenous Retinal Detachment

17:23-17:26

Travel grant recipients Young Joon Jo

Chungnam National University Hospital

**3(P-41)** Quantitative Analysis of Retinal Vasculature in Rhegmatogenous Retinal Detachment

17:26-17:29

Travel grant recipients Shenzhen Eye Hospital, Jinan University

**4(P-11)** The Association between Foveal Thickness and Arrhythmia identified by Genome-Wide Association Study.

17:29-17:32

Best Poster Awards Shin-ya Nakao

Department of Ophthalmology, Kyoto University Graduate School of Medicine

**5(P-46)** Decrease in intravitreal electrolytes after vitrectomy surgery

17:32-17:35

Best Poster Awards Nagoya University Graduate School of Medicine

**6(P-64)** Sub-Tenon steroid to prevent side effects of brolucizumab for AMD patients: a multicenter study

17:35-17:38

Best Poster Awards Ryo Ando

Faculty of Medicine and Graduate School of Medicine, Hokkaido University



17:45-18:15

Poster Venue

**Poster session 1 Basic medicine**

- P-01**    The role of phosphorylated  $\alpha$ B-crystallin in Muller cells under diabetic inflammatory conditions  
Taku Yamamoto  
Hokkaido University
- P-02**    Role of adrenomedullin-2/intermedin in the pathogenesis of neovascular AMD  
Shinji Kakihara  
Department of Cardiovascular Research, Shinshu University School of Medicine
- P-03**    Synaptic repair contributes to functional recovery after stem-cell derived retinal transplantation.  
Ryutaro Akiba  
Department of Ophthalmology and Visual Science, Chiba University

17:45-18:15

Poster Venue

**Poster session 2 Diagnosis/Examination**

- P-04**    Rapid detection system for *Corynebacterium macginleyi* with quinolone resistance genes  
Nobuhiro Kato  
Kurume University School of Medicine
- P-05**    Differences In Retinal Ganglion Cell Layer Thickness Among Hemodialysis Patients  
Sauli Ari Widjaja  
Department of Ophthalmology Faculty of Medicine Universitas Airlangga- Dr. Soetomo General Academic Hospital, Surabaya, Indonesia
- P-06**    Influence of Image-Sharpning Algorithms on the Visibility of Nonperfusion Area  
Tomoya Murakami  
University of Tsukuba
- P-07**    **Withdrawn**
- P-08**    Visual Acuity And Contrast Sensitivity Association Among Hemodialysis Patients  
Ima Yustiarini  
Department of Ophthalmology, Faculty of Medicine Universitas Airlangga – Dr. Soetomo General Academic Hospital, Surabaya, East Java, Indonesia
- P-09**    The usefulness of the PhNR using the RETeval device for evaluation of inner retinal function  
Takako Hidaka  
Miyazaki University
- P-10**    Transient Increase of Flicker Electroretinography Amplitudes after Cataract Surgery  
Kumiko Kato  
Mie University
- P-11★**    The Association between Foveal Thickness and Arrhythmia identified by Genome-Wide Association Study.  
Shin-ya Nakao  
Department of Ophthalmology, Kyoto University Graduate School of Medicine

17:45-18:15

Poster Venue

**Poster session 3 Diabetic retinopathy**

- P-12** Withdrawn
- P-13** Withdrawn
- P-14** Retinal blood flow and vascular resistance in diabetic macular edema  
Yuta Koyama  
Kagawa University
- P-15** Investigation of factors related to FAZ area in diabetic patients  
Masaya Ito  
Hyogo Medical University, Department of ophthalmology
- P-16** The relationship between carotid blood flow and OCTA in DM patients without retinopathy  
Toshiaki Hirakata  
Department of Ophthalmology, Juntendo University
- P-17** Changes in continuous glucose monitoring metrics following STTA in patients with DME  
Sentaro Kusuhara  
Division of Ophthalmology, Department of Surgery, Kobe University Graduate School of Medicine
- P-18** Intravitreal aflibercept 8 mg in DME: 48-Week results from the Phase 2/3 PHOTON Trial  
Taiji Sakamoto  
Kagoshima University, Kagoshima, Japan
- P-19** Better outcomes after conversion from faricimab to brolucizumab for incomplete response with DME.  
Masahiko Sugimoto  
Mie University Graduate School of Medicine
- P-20** Short-term outcomes of switching to brolucizumab for diabetic macular edema  
Takao Hirano  
Shinshu University School of Medicine
- P-21** EYE DMI: Examining the real-world prevalence and progression of diabetic macular ischemia  
Yoshio Hirano  
Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan
- P-22** A vitrectomy for proliferative diabetic retinopathy with oculocutaneous albinism; a case report.  
Tadahiko Ogata  
Department of Ophthalmology, Yamaguchi University Graduate School of Medicine

17:45-18:15

Poster Venue

**Poster session 4 Retinal vein occlusion**

- P-23** Risk Assessment of Retinal Vascular Occlusion After COVID-19 Vaccination  
Chun-Ju Lin  
Department of Ophthalmology, China Medical University Hospital, China Medical University, Taichung, Taiwan

- P-24** Withdrawn
- P-25** Incidence and Clinical Features of Neovascular Glaucoma after Central Retinal Artery Occlusion  
Shin Tanaka  
Yokohama City University
- P-26** Withdrawn
- P-27** Hemorrhagic RAM combined with BRAO treated with intravitreal conbercept injection: A case report  
Xinxiao Gao  
Beijing Anzhen Hospital, Capital Medical University
- P-28** Vitrectomy to treat macular exudation from retinal macroaneurysms refractory to photocoagulation  
Yuta Usami  
Nagoya City University Hospital
- P-29\*** Six years follow-up of Type 1 ROP Treated with Intravitreal Injection of Ranibizumab and Bevacizumab  
Hsiao Fan Tung  
Changhua Christian Hospital

17:45-18:15

Poster Venue

### Poster session 5 Macular edema

- P-30** Real world incidence and prognosis of macular edema as a side effect of taxanes therapy  
Hiroki Tsujinaka  
Nara Medical University

17:45-18:15

Poster Venue

### Poster session 6 Macular hole/Epiretinal membrane

- P-31** OCT-based ERM classification correlates with metamorphopsia and tangential retinal displacement  
Shunichiro Takano  
Department of Ophthalmology, Teikyo University School of Medicine, University Hospital Mizonokuchi
- P-32** Association between foveal neuroglial changes and metamorphopsia in epiretinal membrane  
Masaharu Ishikura  
Kyoto University
- P-33** Evaluation of closure time in eyes with macular hole after vitrectomy  
Mariko Sato  
Akita University Graduate School of Medicine
- P-34** Predictors for metamorphopsia in eyes undergoing macular hole surgery  
Asuka Takeyama  
Toho University Ohashi Medical Center

- P-35** An effect of sub-tenon steroid for incomplete closure of macular hole due to macular edema  
Aiko Haraguchi  
Yamaguchi University
- P-36** Contracted inverted internal limiting membrane flap removal after macular hole surgery  
Ming Chieh Hsieh  
China Medical University Hospital, Taiwan
- P-37** Pedicle ILM flap transposition in a case of postoperative macular hole following surgery for SMH  
Mariko Hasegawa  
Hyogo prefectural Amagasaki general medical center
- P-38** Withdrawn

17:45-18:15

Poster Venue

### Poster session 7 Retinal detachment

- P-39** Effects of vitrectomy for rhegmatogenous retinal detachment with air tamponade: A prospective study  
Katsuhiko Nishi  
Yamagata university
- P-40** Effect of the COVID-19 Pandemic on Surgical Outcomes for Rhegmatogenous Retinal Detachments  
Masaharu Mizuno  
Kyorin University
- P-41\*** Quantitative Analysis of Retinal Vasculature in Rhegmatogenous Retinal Detachment  
Xiaohe Yan  
Shenzhen Eye Hospital, Jinan University
- P-42\*** Full Thickness Macular Hole After Vitrectomy for Rhegmatogenous Retinal Detachment  
Young Joon Jo  
Chungnam National University Hospital
- P-43** Immunohistology of massive membranes in a case with recurrent retinal detachments in Down syndrome  
Keishi Noda  
University of Occupational and Environmental Health
- P-44** A case of simultaneous occurrence of buckle infection and migration.  
Aisha Sawazono  
Kagoshima University

17:45-18:15

Poster Venue

**Poster session 8    Surgery**

- P-45**    Image sharpening algorithms improve clarity of surgical field during 3D heads-up surgery  
 Kosuke Nakajima  
 Kyorin Eye Center
- P-46\***    Decrease in intravitreal electrolytes after vitrectomy surgery  
 Hiroki Kaneko  
 Nagoya University Graduate School of Medicine
- P-47**    Withdrawn
- P-48**    Primary vitreoretinal diffuse large B-cell lymphoma positive for Epstein–Barr virus  
 Chunxiao Sun  
 Kyoto University Graduate School of Medicine

17:45-18:15

Poster Venue

**Poster session 9    Central serous chorioretinopathy**

- P-49**    Genes Associated with Central Serous Chorioretinopathy: Genome-wide Meta and Multi-omics Analysis  
 Yuki Mori  
 Kyoto University
- P-50**    Widefield Choroidal Thicknesses of Eyes with Acute and Chronic Central Serous Chorioretinopathy  
 Naomi Nishigori  
 Kyoto-university
- P-51**    Exploring factors associated with chronicity of central serous chorioretinopathy  
 Chika Tanabe  
 Kyorin University School of Medicine
- P-52**    Choroidal Vasculature and Subretinal Fluid Prolongation in Central Serous Chorioretinopathy  
 Takahiro Kogo  
 Kyoto University
- P-53**    Choriocapillaris flow void in central serous chorioretinopathy may predict the neovascularization  
 Xiaoyin Zhou  
 Hyogo Medical University
- P-54**    Two cases with central serous chorioretinopathy caused by low intraocular pressure after vitrectomy  
 Yasunori Miyara  
 Nakagami Hospital

## Poster session 10 Age-related macular degeneration

- P-55** Electrophysiological evaluations of eyes with reticular pseudodrusen by multifocal electroretinogram  
Hisashi Matsubara  
Mie Univ
- P-56** Association between choroidal vasodilation and drusen in ultra-wide-angle OCT en face images  
Yosuke Fukuda  
Kyushu University
- P-57** Effects of the COVID-19 pandemic on longer follow-up of anti-VEGF treatment for neovascular AMD: a multicenter study by the JCREST group  
Takaaki Sugisawa  
Hyogo medical university
- P-58** The incidence of acute vision loss in neovascular age-related macular degeneration over 4 years  
Akira Machida  
Nagasaki University Hospital
- P-59** RPE changes after spontaneous collapse of serous retinal pigment epithelial detachment  
Masahiro Miura  
Tokyo Medical University, Ibaraki Medical Center
- P-60** Suspension of anti-VEGF and RPE atrophy in neovascular age-related macular degeneration  
Shinichiro Chujo  
Mie university hospital
- P-61** PDT Increases Macular Atrophy more than Intravitreal Aflibercept at Two-Year follow-up of PNV  
Hirokazu Kojima  
Kagawa University
- P-62** Switching to brolocizumab in type1 macular neovascularization and polypoidal choroidal vasculopathy.  
Ryota Akai  
Toyama university
- P-63** Short-term efficacy of switch therapy to brolocizumab for neovascular age-related macular degeneration  
Takaaki Matsuki  
National Hospital organization Tokyo Medical Center
- P-64\*** Sub-Tenon steroid to prevent side effects of brolocizumab for AMD patients: a multicenter study  
Ryo Ando  
Faculty of Medicine and Graduate School of Medicine, Hokkaido University

- P-65**    **Combination therapy with intravitreal tissue plasminogen activator and ranibizumab for nvAMD**  
 Michiko Ando  
 Department of Ophthalmology and Visual Science, Nagoya City University Graduate School of Medical Sciences
- P-66**    **Case of IOI secondary to intravitreal brolocizumab injection for nAMD in dementia patient**  
 Natsuki Ueji  
 Ophthalmology, Kinan Hospital
- P-67**    **A case of pachychoroid GA induced by brolocizumab administration for PED**  
 Tetsuya Tanimukai  
 Department of Ophthalmology, Faculty of Medicine and Graduate School of Medicine, Hokkaido University

17:45-18:15

Poster Venue

### Poster session 11    Retinal dystrophies

- P-68**    **Classification of fundus autofluorescence images by severity and progression of retinitis pigmentosa**  
 Taro Kominami  
 Nagoya University Graduate School of Medicine
- P-69**    **New recessive compound heterozygous RP1L1 mutations in occult macular dystrophy**  
 Xiaohe Yan  
 Shenzhen Eye Hospital, Jinan University
- P-70**    **A rare case of RDH12-associated retinal degeneration and literature review**  
 Xiaohe Yan  
 Shenzhen Eye Hospital, Jinan University
- P-71**    **A case of macular dystrophy complicated by subretinal hemorrhage from CNV in a child**  
 Natsuki Maeda  
 Hirosaki University

## Program | Sunday, March 26

8:00-9:00

Room1

### Morning seminar    Fluid control for long-term outcome — The patients of Beovu in consideration of benefits/risks —

Chair: Akito Hirakata (Kyorin University)

#### Speaker    Fluid control for long-term outcome in wAMD

Akitaka Tsujikawa  
Kyoto University

#### Speaker    Fluid control for long-term outcome in DME

Toshinori Murata  
Shinshu University

Sponsor: Novartis Pharma K.K.

9:10-9:55

Room1

### Retinaws

Organizer: Kourous A. Rezaei (Rush University Medical Center/Illinois Retina Associates)

#### Panelists

Hiroko Terashima  
Niigata University

Takashi Koto  
Kyorin University

Kazuaki Kadonosono  
Department of Ophthalmology and micro-technology, Yokohama City University

Elise Philippakis  
Lariboisiere Hospital, Paris

Martin S. Zinkernagel  
University Hospital Bern, Inselspital

Kenneth Fong  
OasisEye Specialists

Motohiro Kamei  
Department of Ophthalmology, Aichi Medical University

Makoto Inoue  
Kyorin Eye Center, Kyorin University School of Medicine



9:55-10:25

Room1

## Panel session 2 What is the diagnosis?

Chairs: Judy E. Kim (Medical College of Wisconsin)

Susumu Ishida (Faculty of Medicine and Graduate School of Medicine Hokkaido University)

### Panelists

Allen C. Ho

Wills Eye Hospital, Thomas Jefferson University

Amani A. Fawzi

Northwestern University

Satoru Kase

Hokkaido University

Mineo Kondo

Department of Ophthalmology, Mie University Graduate School of Medicine

Ryuya Hashimoto

The Toho University Sakura Medical Center

Keiko Kataoka

Kyorin University

10:25-10:45

Room1

### Coffee break

10:45-11:45

Room1

## Science session (Medical) 4 Gene & Cell Therapy

Chairs: Masayo Takahashi (Kobe City Eye Hospital)

Andreas K. Lauer (Casey Eye Institute - Oregon Health &amp; Science University)

Yasuhiro Ikeda (Miyazaki University)

- M4-1** Genetic research of retinitis pigmentosa in post-next generation sequencing era  
 10:45-10:52 Koji Nishiguchi  
 Nagoya University Graduate School of Medicine
- M4-2** Gene Therapy for Neovascular and Atrophic AMD  
 10:52-10:59 Allen C. Ho  
 Wills Eye Hospital, Thomas Jefferson University
- M4-3** A safety study using Induced pluripotent stem cell derived retinal organoid sheets for patients with end-stage retinitis pigmentosa  
 10:59-11:06 Michiko Mandai  
 Kobe City Eye Hospital
- M4-4** Subretinal Gene and Cell Therapy - Intraoperative OCT Findings  
 11:06-11:13 Andreas K. Lauer  
 Casey Eye Institute - Oregon Health & Science University
- M4-5** Surgical Delivery of Gene and Cell Therapies  
 11:13-11:20 Allen C. Ho  
 Wills Eye Hospital, Thomas Jefferson University

## M4-6 What's Next for Retinal Gene Therapy?

11:20-11:27 Christina Y. Weng  
Baylor College of Medicine, Cullen Eye Institute  
Discussion

11:27-11:45

12:00-13:00

Room1

### Luncheon seminar 3 The Latest Therapeutic Strategy for nAMD&DME

Chair: Taiji Sakamoto (Kagoshima University)

#### Speaker The Latest Therapeutic Strategy for nAMD

Hidetaka Matsumoto  
Gunma University

#### Speaker The Latest Therapeutic Strategy for DME

Shigeo Yoshida  
Kurume University

Sponsor: Chugai Pharmaceutical Co., Ltd.

12:00-13:00

Room 2

### Luncheon seminar 4 Let's consider again about the treatment of nAMD to encourage patients to continue

Chair: Mineo Kondo (Mie University)

#### Speaker Cost-effectiveness of anti-VEGF treatments for nAMD

Yasuo Yanagi  
Yokohama City University

#### Speaker Current anti-VEGF treatments for nAMD

Ichiro Maruko  
Tokyo Women's Medical University

Sponsor: Senju Pharmaceutical Co., Ltd.

13:15-14:10

Room1

### Science session (Medical) 5 Innovative Research in Medical retina

Chairs: Akitaka Tsujikawa  
(Department of Ophthalmology and Visual Sciences, Kyoto University Graduate School of Medicine)  
Yoko Miura (University of Lübeck)  
Shigeru Honda (Osaka Metropolitan University Graduate School of Medicine)

## M5-1 Can high tech eye drops become a non invasive way to treat macular diseases?

13:15-13:22 Ramin Tadayoni  
University of Paris Cité

- M5-2** Evaluation of metabolic changes in the retina using fluorescence lifetime  
 13:22-13:29 Yoko Miura  
 Department of Ophthalmology, University of Luebeck
- M5-3** 5 Rights for AI Innovation in Ophthalmology  
 13:29-13:36 Daniel Ting  
 Singapore National Eye Center
- M5-4** Early-life peripheral infections induce epigenetic memory in innate immune cells and aggravate nvAMD in later life.  
 13:36-13:43 Masayuki Hata  
 Department of Ophthalmology and Visual Sciences, Graduate school of Medicine, Kyoto University
- M5-5** Geometric morphometric analysis in patients with epiretinal membrane  
 13:43-13:50 Akio Oishi  
 Nagasaki University
- M5-6** Systemic accumulation of advanced glycation end products in neovascular age-related macular degeneration  
 13:50-13:54 Rapid Fire Tomoko Consolvo Ueda  
 Toyama University
- 13:54-14:10 Discussion

14:10-15:00

Room1

### Science session (Surgical) 4 Pediatric vitreoretinal surgery

Chairs: Hiroyuki Kondo (University of Occupational and Environmental Health)  
 Shunji Kusaka (Department of Ophthalmology, Kindai University Faculty of Medicine)  
 Wei-Chi Wu (Chang Gung Memorial Hospital, Linkou, Taoyuan)

- S4-1** Geographic access disparities to retinopathy of prematurity treatment in the United States  
 14:10-14:17 Yoshihiro Yonekawa  
 Wills Eye Hospital, Mid Atlantic Retina, Thomas Jefferson University
- S4-2** Repair of pediatric retinal detachments  
 14:17-14:24 Caroline R. Baumal  
 New England Eye Center, Boston
- S4-3** Computer-Aided Detection of Retinopathy of Prematurity Severity in Preterm Infants Via Measurement of Vessel Tortuosity From Retinal Fundus Images  
 14:24-14:31 Wei-Chi Wu  
 Chang Gung Memorial Hospital, Linkou, Taoyuan
- S4-4** Pars plana vitrectomy for vitreoretinal complications in only seeing eyes after treatment for retinoblastoma  
 14:31-14:38 Shunji Kusaka  
 Department of Ophthalmology, Kindai University Faculty of Medicine
- S4-5** Pediatric retina mysteries: solved!  
 14:38-14:45 Yoshihiro Yonekawa  
 Wills Eye Hospital, Mid Atlantic Retina, Thomas Jefferson University
- 14:45-15:00 Discussion

15:00-15:20

Room1

## Coffee break

15:20-16:15

Room1

## Science session (Surgical) 5 Surgical techniques and innovations

Chairs: Koh-Hei Sonoda (Kyushu University)  
 Atsushi Hayashi (Toyama University)  
 Yoshihiro Yonekawa (Wills Eye Physicians)

- S5-1** Factors affecting internal limiting membrane peel pick up point trauma during macular hole surgery and their association with inner retinal defects  
 15:20-15:27 David Steel  
 Sunderland Eye Infirmary
- S5-2** A Modified Technique for Silicone Oil Retention Sutures  
 15:27-15:34 Christina Y. Weng  
 Baylor College of Medicine, Cullen Eye Institute
- S5-3** Robotics for vitreo-retinal surgery  
 15:34-15:41 Kazuaki Kadonosono  
 Department of Ophthalmology and micro-technology, Yokohama City University
- S5-4** Monitor setting in heads-up surgery: direction, distance and hight  
 15:41-15:48 Motohiro Kamei  
 Department of Ophthalmology, Aichi Medical University
- S5-5** Subretinal Gene and Cell Therapy: Surgical Tips  
 15:48-15:55 Andreas K. Lauer  
 Casey Eye Institute - Oregon Health & Science University
- S5-6** Digital assisted vitrectomy: Usefulness of monochrome mode  
 15:55-15:59 Hisanori Imai  
 Rapid Fire Division of Ophthalmology, Department of Surgery, Kobe University Graduate School of Medicine
- 15:55-16:15 Discussion

16:15-16:25

Room1

## Closing