

Scientific Program

Wednesday, May 21

12:00-18:00 Registration

17:30- Welcome Party at Garden

Thursday, May 22

8:00-8:30 Breakfast at Reception Hall

Morning Seminar I 8:30-9:10 Reception Hall

New Generation In Structure And Function For Glaucoma Management — The New Humphrey Visual Field Analyzer With Guided Progression Analysis And Newly Featured Optical Coherence Tomographers, Stratus OCT And Cirrus HD-OCT

Carl Zeiss Meditec Co., Ltd.

Chairperson: *Aiko Iwase*

New Glaucoma Applications For Optical Coherence Tomography
Vincent Michael Patella

Effective Use Of Perimetry In Glaucoma Management
Anders Heijl

Opening Remarks 9:20-9:30 Noh Theatre

Session 1 9:30-11:45 Noh Theatre

Structure-Function Relationship

Moderators: *Linda Zangwill and Ronald S. Harwerth*

9:30- **1-01**
A Structure-Function Map Derived From Medmont Perimetric Data
Andrew Turpin

9:45- **1-02**
Quantifying Concordance Between Structure And Function Measurements In The Clinical Assessment Of Glaucoma
Haogang Zhu

10:00- **1-03**
Relationship Between Functional And Structural Changes In Glaucoma Suspects And Early Glaucoma Patients
Hiroki Nomoto

10:15- **1-04**
Structure-Function In Glaucoma: A New Hypothesis
Marta Gonzalez-Hernandez

10:30-10:50 Coffee, Exhibits and Posters

10:50- **1-05** Poster
The Threshold Values In MATRIX Reflect The Nerve Fiber Layer Thickness In Early Glaucoma Patients
Katsuhiko Maruyama

10:55- **1-06** Poster
Ability Of OCT To Detect Localized Retinal Nerve Fiber Layer Defects In Patients With Normal Standard Automated Perimetry Results
Shinji Ohkubo

11:00- **1-07**
Longitudinal Changes In Structure And Function: Results From The Diagnostic Innovations In Glaucoma Study (DIGS)
Linda Zangwill

11:15- **1-08**
Nonlinear And Linear Models For Predicting Structure From Function In Glaucoma
Ronald S. Harwerth

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11:30- 1-09
How Do Psychophysical Estimates Of Ganglion Cell Sampling Density Relate To Structural Measurements At The Optic Nerve Head In The Normal Ageing Eye?
Tony Redmond

11:45-12:30 Lunch at Reception Hall

Luncheon Seminar I 12:30-13:20 Reception Hall
Ocular And Brain Changes In Glaucoma Monkey Models
Santen Pharmaceutical Co., Ltd.

Chairperson: *Chota Matsumoto*

Changes Of The Visual System In A Monkey Model Of Glaucoma
- Structural Changes In Retina And Optic Nerve Head
Masaaki Sasaoka

Changes Of The Visual System In A Monkey Model Of Glaucoma
- Lateral Geniculate Nucleus And Visual Cortex
Ronald S. Harwerth

IPS Lecture 13:30-14:30 Noh Theatre

Chairperson: *Michael Wall*

The Evolution Of The Optic Disc Analysis: Past, Presence And Outlook
Fritz Dannheim

Session 2 14:30-15:30 Noh Theatre

Optic Nerve Head And Nerve Fiber Imaging

Moderators: *Paul Artes and Goji Tomita*

14:30- 2-01
Biological Shape Models Of Optic Nerve Topography In Patients With Glaucoma And Healthy Controls
Paul Artes

14:45- 2-02
Interpretation Of Optic Disc Images For Glaucomatous Damage: Reference Data From Specialists
Jonathan Denniss

15:00- 2-03 **Poster**
Performance Of Glaucoma Probability Score Classification (GPSC) In Glaucoma Screening With HRTII: Comparison With Moorfield's Regression Analysis (MRA)
Hisashi Takeda

15:05- 2-04
A New Method For Evaluating Stereometric Data From The Heidelberg Retinal Tomograph (HRT3)
Allison McKendrick

15:20- 2-05 **Poster**
Agreement Of Structural Abnormality By Heidelberg Retina Tomography And Optical Coherence Tomography In Ocular Hypertensive And Glaucomatous Eyes
Ryo Asaoka

15:25- 2-06 **Poster**
Inner Retinal Layer Measurements With Fourier Domain Optical Coherence Tomography And Its Correlation With Optic Disc Topography Measured By Heidelberg Retina Tomography In Glaucomatous Eyes With Hemifield Defects
Goji Tomita

15:30-15:50 Coffee, Exhibits and Posters

Session 3 15:50-17:35 Noh Theatre

Clinical Perimetry

Moderators: *Ulrich Schiefer and Aiko Iwase*

15:50- 3-01
Pre-anatomic And Pre-perimetric Glaucoma
Manuel Gonzalez de la Rosa

16:05- 3-02
The Diagnostic Ability Of Anderson Criteria On Glaucomatous Visual Field Defects In Eyes With Myopic- And Nonmyopic-Type Optic Disc
Tairo Kimura

16:20- 3-03
Test-Retest Differences Of The Visual Field In Retinitis Pigmentosa
Chris Johnson

16:35- 3-04
Little Recovery Of Visual Field Defect In The Ischemic Retina In Branch Retinal Artery Occlusion
Hiroyuki Iijima

16:50- 3-05
Perception Of Metamorphopsia Under Monocular And Binocular Conditions Evaluated By M-CHARTS And AMSLER CHARTS In Patients With Macular Diseases
Eiko Arimura

17:05- 3-06
Evaluation Of Full-Field Sensitivity Test (FFST) Measures For Clinical Trials And Relationship To Wayfinding
Ronald Schuchard

17:20- 3-07 **Poster**
Central Visual Field Changes In Myopic Glaucoma With Optic Disc Ovality
Rishu Inoue

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17:25- 3-08 **Poster**
**Scotopic, Mesopic, And Photopic Perimetry
 In Acute Zonal Occult Outer Retinopathy**
Kazuki Kuniyoshi

17:30- 3-09 **Poster**
**Objective Visual Field Evaluation Using
 Multifocal Visual Evoked Potentials
 In Patients With Intracranial Disease
 Complicated By Mental Disorder**
Eiichi Yukawa

18:00- Japanese Dinner (Optional) at Heijo

Friday, May 23

7:30-7:50 "Shikayose" (Deer Gathering)

8:00-8:30 Breakfast at Reception Hall

Morning Seminar II 8:30-9:10 Reception Hall
HAAG-STREIT AG

**The Role And Potential Of Kinetic Perimetry
 - Current And Future Developments**
Ulrich Schiefer

**Fully Automated Kinetic Perimetry With
 Computer-Simulated Virtual Patients**
Chota Matsumoto

Session 4 9:20-10:25 Noh Theatre

New Perimetric Techniques I

Moderators: *Chris Johnson and Chota Matsumoto*

9:20- 4-01
**Age-Corrected Normative Data For The
 Entire (90°) Visual Field, Assessed With Full
 Threshold Automated Static Perimetry And
 A Fast Thresholding Algorithm (GATE)**
Ulrich Schiefer

9:35- 4-02 **Poster**
**Quantitative Assessment Of The Visual
 Field Loss Due To Retinitis Pigmentosa
 Using Semi-automated Kinetic Perimetry**
Katarzyna Nowomiejska

9:40- 4-03
**Comparison Between Semi-automated
 Kinetic Perimetry (SKP) And Fully
 Automated Kinetic Perimetry (AKP =
 Program K) In Patients With Visual Field
 Loss**
Shigeki Hashimoto

9:55- 4-04
**Influence Of Media Opacities On Flicker
 Perimetry**
Chota Matsumoto

Aulhorn Lecture 10:25-11:25 Noh Theatre

Chairperson: *David B. Henson*

**How Better Perimetry Can Improve Glaucoma
 Management**
Anders Heijl

11:25-12:10 Lunch at Reception Hall

Luncheon Seminar II 12:10-13:00 Reception Hall

Alcon Japan Ltd.

Chairperson: *Yoshiaki Kitazawa*

**Normal Tension Glaucoma: Clinical
 Challenges And New Therapeutic Concepts**
David S. Greenfield

13:10-13:40 "Noh" Performance at Noh Theatre

13:50- Walking Tour in Nara Park

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Saturday, May 24

8:00-8:30 Breakfast at Reception Hall

Morning Seminar III 8:30-9:10 Reception Hall

Topcon Corporation

Chairperson: *Makoto Araie*

Three-Dimensional Visualization And Thickness Mapping Of RNFL Using SD OCT
Yijun Huang

Session 5 9:20-10:10 Noh Theatre

Analysis Of Visual Field Data

Moderators: *Richard P. Mills and Michael Wall*

9:20- **5-01** Poster
A Comparison Of Catch Trial Methods Used In Conventional Perimetry In Glaucoma Patients
Carrie Doyle

9:25- **5-02**
Use Of A Continuous Probability Scale To Display Visual Field Damage
Michael Wall

9:40- **5-03** Poster
Area-Threshold Curves Obtained Using Various Objects
Tsuyoshi Yoneda

9:45- **5-04** Poster
Influence Of Ocular Optical System Aberrations In Perimetry, Especially For Peripheral Vision Measurement
Genichiro Takahashi

9:50- **5-05**
How Do Different Test Strategies For Estimating Perimetry Thresholds Behave When The Dynamic Range Of Measurement Varies?
Ciara Bergin

10:05- **5-06** Poster
Risk Factors For Progressive Visual Field Loss That Threatens Fixation
Sanae Kanno

10:10-10:30 Coffee, Exhibits and Posters

Session 6 10:30-11:50 Noh Theatre

Comparisons Of Perimetric Tests

Moderators: *Fritz Dannheim and Genichiro Takahashi*

10:30- **6-01** Poster
Comparison Of The Retinal Sensitivities And The Global Indices In SITA Standard And Dynamic Strategies
Hiroataka Suzumura

10:35- **6-02** Poster
Detectability Of Early Stage Glaucomatous Visual Field Defects In Dynamic And SITA Standard Strategies
Shiro Mizoue

10:40- **6-03**
Variability With Multisampling Suprathreshold Perimetry And SITA Standard Perimetry In Glaucoma
Michael Horler

10:55- **6-04** Poster
The Relationships Between Threshold Estimates And Effective Dynamic Ranges Of Standard Automated Perimetry (Size III And V), Motion And Matrix Perimetry
Kimberly Woodward

11:00- **6-05**
Conventional (Octopus G1X) And Flicker Fusion Perimetry (Pulsar) In Glaucoma: A Clinical Comparison
Fritz Dannheim

11:15- **6-06** Poster
Pulsar Perimetry In Diagnosis Of Early Glaucoma
Marco Zeppieri

11:20- **6-07**
Potential Of Frequency Doubling Technology For Earlier Detection Of Damage Than Standard Automated Perimetry In Glaucoma With Lowered Intraocular Pressure
Aiko Iwase

11:35- **6-08**
Comparison Of N-30 And 24-2 Threshold Programs Of Frequency Doubling Perimetry For The Evaluation Of Glaucomatous Visual Field Defect Severity
Shoichi Morise

11:50-12:35 Lunch at Reception Hall

Luncheon Seminar III 12:35-13:25 Reception Hall

New Perspectives In Detecting Glaucoma Progression Pfizer Japan Inc.

Chairperson: *Yoshiaki Kitazawa*

Detection Of, Magnitude Of And Risk Factors For Progression In The Early Manifest Glaucoma Trial
Anders Heijl

13:35-14:25 Business Meeting at Noh Theatre

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Session 7 14:25-15:30 Noh Theatre

Progression

Moderators: *David Garway-Heath and Yoshio Yamazaki*

- 14:25- 7-01
Comparison Of Analysis Methods For Progression Of Visual Field Defect
Yoshio Yamazaki
- 14:40- 7-02
Detection Of Local Visual Field Deterioration In Patients With Diffuse Improvement Using Cluster Trends Analysis
Sachiko Okuyama
- 14:55- 7-03 Poster
The Influence Of Initial Visual Field Sensitivity On The Rate Of Visual Field Loss Over Time In Glaucoma Patients
Paraskeva Hentova-Sencanic
- 15:00- 7-04
Specificity Of The Program Threshold Noiseless Trend (TNT) For Perimetric Progression Analysis
Manuel Gonzalez de la Rosa
- 15:15- 7-05
Sensitivity Performs Better Than Slope At Predicting Future Progression In Early Glaucoma
Stuart Gardiner

15:30-15:50 Coffee, Exhibits and Posters

Session 8 15:50-17:25 Noh Theatre

New Perimetric Techniques II

Moderators: *David B. Henson and Takeshi Yoshitomi*

- 15:50- 8-01
Assessing The Utility Of A Combined Suprathreshold/Threshold Procedure For Retesting Visual Fields
Allison McKendrick
- 16:05- 8-02 Poster
Trial Model Of Perimeter For Measuring Binocular And Monocular Visual Fields Separately While Opening Both Eyes
Taketoshi Suzuki
- 16:10- 8-03 Poster
Trial Model For Measuring Retinal Function By Using Sense Of Color And Form
Shin Kouta
- 16:15- 8-04 Poster
Measurement Of Thresholds In Normal Subjects Using Fundus-Oriented Small-Target Perimetry
Yusuke Nakatani
- 16:20- 8-05 Poster
The Magnitude Of Stereopsis In Peripheral Visual Fields
Hiroshi Mochizuki
- 16:25- 8-06 Poster
The Effect Of Correction For Central Refractive Error On Thresholds For The Moorfields Motion Displacement Test (MDT)
Reza Moosavi
- 16:30- 8-07 Poster
A New Short-Wavelength Automated Perimetry With Flicker Target
Kazunori Hirasawa

- 16:35- 8-08
The Heidelberg Edge Perimeter: A New Method For Visual Field Assessment
John Flanagan

- 16:50- 8-09 Poster
Glaucomatous Visual Field In "Pupil Perimetry"
Noriko Sato

- 17:55- 8-10 Poster
Utility Of Pupil Perimetry In Glaucoma
Ken Asakawa

- 17:00- 8-11 Poster
The Head Mount Display Type Pupil Perimeter
Fumiatsu Maeda

- 17:05- 8-12 Poster
Evaluating Pupil Light Reflexes With Color Stimuli
Keiichi Tanzawa

- 17:10- 8-13
Higher Resolution Pupillographic Multifocal Perimetry
Ted Maddess

Closing Remarks 17:25-17:30 Noh Theatre

- 19:00- Closing Banquet at Hotel Nikko Nara