# Wednesday September 28th 2016

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<td>8.00</td>
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<td>8.45</td>
<td>Opening Session</td>
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| 9.00  | Perimetry I              | David Crabb, Chota Matsumoto                | **Are Big Stimuli “Easier” To See? An Analysis Of Response Times From Frequency-OF-Seeing Data**<br>Paul H. Artes, Matthias Monhart, Marco Miranda  
**Effect Of Localized Defocus On Measurements Of Spatial Summation Of Perimetric Stimuli**<br>Shindy Je, Julia M. Rose, James E. Morgan, Tony Redmond  
**Mismatch (MM). A NEW DISHARMONY INDEX For Diagnosis In The Glaucomatous Visual Field**<br>Manuel Gonzalez de la Rosa, Rodrigo Abreu-Gonzalez, Paloma Rodriguez-Esteve, Cristina Pena-Betancor, Marta Gonzalez-Hernandez |
| 10.00 | Structure I              | David Garway-Heath, Chris A. Johnson         | **Significance Of Structural Changes In Papillary And Peripapillary Nerve Fiber Layer For Glaucoma**<br>Fritz Dannheim, Harald Wohlgemuth  
**Topographic Estimation Of Hemoglobin In The Optic Nerve Head Using Only Conventional Photographic Images**<br>Marta Gonzalez-Hernandez, Francisco Fumero-Batista, José Sigut, Cristina Pena-Betancor, Silvia Alayon, Tinguaro Diaz Aleman, Manuel Gonzalez de la Rosa  
**Examining The Structure-Function Relationship In Glaucoma With Achromatic Perimetric Stimuli Exhibiting Complete Spatiotemporal Summation**<br>Pádraig J. Mulholland, Tony Redmond, David F. Garway-Heath, Roger S. Anderson  
**Adjusting Circumpapillary Retinal Nerve Fiber Layer Thickness Profile Measured With Optical Coherence Tomography Using The Retinal Artery Position Improves The Structure-Function Relationship**<br>Yuri Fujino, Takehiro Yamashita, Meiko Yanagisawa, Hiroshi Murata, Ryo Asaoka  
**Automatically Identifying The Temporal Raphe From OCT Macular Cube Data**<br>Allison M. McKendrick, Philip A. Bedggood, Fumi Tanabe, Andrew Turpin  
**Conventional And Computational (Pattern Recognition) Derived Loss Of Retinal Ganglion Cells During Aging**<br>Yoshioka Nayuta, Sieu Khuu, Barbara Zangerl, Lisa Nivison-Smith, Robert Marc, Bryan Jones, Rebecca Pfeiffer, Michael Kalloniatis |
| 11.30 | Coffee Break             |                                             |                                                                                                        |
| 12.00 | Perimetry II             | Michael Wall, Joerge Weber                  | **Pattern Recognition Applied To Static Perimetry Reveals Unique Contrast Sensitivity Isocountours Across The Visual Field**<br>Michael Kalloniatis, Robert Marc, Sieu Khuu, Jack Phu, Agnes Choi, Barbara Zangerl, Lisa Nivison-Smith, Bryan Jones, Rebecca Pfeiffer  
**Analyses Of Gaze Points During Simulated Driving In Normal And Glaucoma Subjects**<br>Aiko Iwase, Yuto Susuki, Yuko Ohno, Shinho Kunimatsu-Sanuki, Chota Matsumoto, Makoto Araie  
**Physiologic Statokinetic Dissociation Is Eliminated By Equating The Psychophysical Procedures Of Static And Kinetic Perimetry**<br>Jack Phu, Noha Al Saleem, Michael Kalloniatis, Sieu Khuu |
CAN FUNCTIONAL AND STRUCTURAL OUTCOMES PREDICT VISION-RELATED QUALITY OF LIFE IN AGE-RELATED MACULAR DEGENERATION?
Nicola Cassels, John Wild, Tom Margrain, Victor Chong, Jennifer Acton

13.00 LUNCHEON PRESENTATION

FUNDUS AUTOMATED PERIMETRY: LATEST INNOVATION IN VISUAL FIELD
Sponsored by Centervue
Giuliano Barbaro

13.30 Lunch

14.30 PROGRESSION ANALYSIS I

Chairs: Fritz Dannheim, Manuel Gonzalez de la Rosa

STRUCTURAL CHANGE CAN BE DETECTED IN ADVANCED GLAUCOMA EYES
Linda Zangwill, Felipe A. Medeiros, Christopher Bowd, Jeffrey M. Liebmann, Christopher A. Girkin, Robert N. Weinreb, Luke Saunders, Akram Belghith

PERCENTILE PLOT - A NEW GRAPHICAL ANALYSIS OF THE QUANTITATIVE ASPECTS OF PROGRESSION
Joerg Weber

SIGNIFICANT GLAUCOMATOUS VISUAL FIELD PROGRESSION IN THE FIRST TWO YEARS: WHAT DOES IT MEAN?
Andrew J. Anderson

THE USEFUL DYNAMIC RANGE OF STANDARD AUTOMATED PERIMETRY FOR PROGRESSION IN GLAUCOMA: SIZE III VS. SIZE V
Gideon Zamba, Paul H. Artes, Michael Wall

CLUSTER TREND ANALYSIS FOR DETECTION OF VISUAL FIELD CHANGE
Stuart K. Gardiner, Shaban Demirel

15.45 Coffee break

16.15 POSTER SESSION A

Chairs: Paul H. Artes, Aiko Iwase, Mario Zulauf

1. FIXATIONAL EYE MOVEMENTS MEASURED BY EYE TRACKING SYSTEM EMR-9 IN THE STATIC VISUAL FIELD TESTING
Ikumi Umebara, Akemi Wakayama, Yuma Nakai, Takeshi Kohama, Chota Matsumoto, Yoshikazu Shimomura

2. DEVELOPMENT OF A ROBOT (“LORIS”) FOR VISUAL FIELD TESTING USING A HIGH DYNAMIC RANGE (HDR) CAMERA
Shigeki Hashimoto, Chota Matsumoto, Sachiko Okuyama, Hiroki Nomoto, Tomoyasu Kayazawa, Takuya Numata, Yoshikazu Shimomura

3. VISUAL FIELD PARADIGMS FOR ASSESSING FUNCTIONAL FIELD LOSS
Subhi Hikmat, Keziah Latham, Joy Myint, Michael Crossland

4. RELATIONSHIP BETWEEN RETINAL ARTERY TRAJECTORY AND OCULAR BIOMETRY IN JAPANESE ELEMENTARY AND JUNIOR HIGH SCHOOL STUDENTS
Takehiro Yamashita, Naoya Yoshihara, Taiji Sakamoto

5. THE RELATIONSHIP BETWEEN THE TARGET ENERGY AND REACTION TIME AT THE LOCATION OF KINETIC THRESHOLD
Tomoyasu Kayazawa, Chota Matsumoto, Sachiko Okuyama, Shigeki Hashimoto, Hiroki Nomoto, Takuya Numata, Yoshikazu Shimomura

6. AN INVESTIGATION OF THE ROBUSTNESS OF PREDICTION ACCURACY OF A DYNAMIC STRUCTURE-FUNCTION MODEL FOR GLAUCOMA PROGRESSION
Fang-I Chu, Iván Marín-Franch, Lyne Racette
7. THE EFFECT OF CONCENTRIC CONSTRUCTION OF THE VISUAL FIELD OF 10 AND 15 DEGREES ON AUTOMOBILE DRIVING
Sachiko Udagawa, Aiko Iwase, Shinji Ohkubo, Yuto Susuki, Shiho Kunimatsu-Sanuki, Hiroshi Ono, Takeo Fukuchi, Chota Matsumoto, Sugiyama Kazuha, Makoto Araie

8. AUTOMATED GLAUCOMA CLASSIFICATION IN VISUAL FIELDS
Serife Seda Kucur, Raphael Sznitman

17.15 Session Finish
THURSDAY SEPTEMBER 29TH 2016

8.00 Registration

8.45 NEW INSTRUMENTS AND TECHNIQUES I

Chairs: Allison M. McKendrick, Kazuhsa Sugiyama

- PROPERTIES OF NORMATIVE DATA FOR THREE MULTIFOCAL PUPILLOGRAPHIC OBJECTIVE PERIMETRY (MFPOP) TESTS
  Corinne F. Carle, Özge Saraç, Rohan W. Essex, Maria Kolic, Emilie M.F. Rohan, Faran Sabeti, Andrew C. James, Ted Maddess

- NEW PERIMETER WITH VIDEO IMAGING TECHNOLOGY - CLINICAL APPLICATIONS
  Jacques Chartlier, Xavier Zanlonghi

- RESPONSE VARIABILITY FOR MULTI-DIMENSIONAL PERIMETRIC STIMULI IN GLAUCOMA
  Lindsay Routtree, Pádraig J. Mulholland, Roger S. Anderson, Tony Redmond

- VISUAL FIELD TESTING WITH NEW HEAD-MOUNTED PERIMETER “IMO”
  Chota Matsumoto, Sayaka Yamao, Hiroki Nomoto, Sachiko Okuyama, Shinji Kimura, Kenzo Yamanaka, Makoto Aihara, Yoshikazu Shimomura

9.45 PROGRESSION ANALYSIS II

Chairs: David Crabb, Linda Zangwill

- COMPARISON OF GLAUCOMA PROGRESSION DETECTION USING 24-2 AND 10-2 VISUAL FIELDS

- THE USEFULNESS OF CORVISST TONOMETRY AND THE OCULAR RESPONSE ANALYZER TO ASSSESS THE PROGRESSION OF GLAUCOMA
  Masato Matsuura, Kazunori Hirasawa, Hiroshi Murata, Shunsuke Nakakura, Yoshiaki Kiuchi, Ryo Asaoka

- VISUAL FIELD ANALYSIS TOOLS FOR REAL WORLD CLINICS
  Susan Bryan, David Crabb

- THE SYDNEY OPHTHALMIC GLAUCOMA STUDY (SOGS)
  Barbara Zangerl, Michael Yapp, Michael Hennessy, Minas Coroneo, Andrew Hayen, Paul Healey, Paul Mitchell, Michael Kalloniatis

10.45 Coffee break

11.15 POSTER SESSION B

Chairs: Stefano Gandolfi, Stuart Gardiner, Allison M. McKendrick

- 9. DEVELOPMENT OF A TRAINING SYSTEM FOR THE MEASUREMENT OF MANUAL KINETIC PERIMETRY USING THE GOLDMANN PERIMETER
  Hokuto Ubukata, Fumiatsu Maeda, Osamu Masuda, Maki Shindo, Ryosuke Kawachi, Akiko Kobayashi, Kazutaka Kani, Haruki Abe

- 10. STATISTICS OF JOINT STRUCTURAL AND FUNCTIONAL CHANGES IN EYES WITH GLAUCOMA AFTER SHORT SERIES OF VISITS
  Ivan Marin-Franch, Fang-I Chu, Lyne Racette

- 11. COMPARING MULTIFOCAL PUPILLOGRAPHIC OBJECTIVE PERIMETRY (MFPOP) AND MULTIFOCAL VISUAL EVOKE POTENTIALS (MFVEP) IN RETINAL DISEASES
  Corinne F. Carle, Ted Maddess, Andrew C. James, Rohan W. Essex, Andrew Bell, Faran Sabeti

- 12. MONITORING QUALITY AND VIGILANCE DURING AUTOMATED STATIC PERIMETRY. A PROOF-OF-CONCEPT-STUDY USING VIDEO-PUPILLOGRAPHY, HEART RATE RECORDING, AND AN INCREASED NUMBER OF CATCH TRIALS
  Judith Ungewiss, Thomas Kübler, Hanspeter A. Mallot, Ulrich Schiefer

- 13. MONOCULAR SENSITIVITY MEASURED WITH BOTH EYES OPEN USING THE HEAD-MOUNTED PERIMETER IMO®
  Akemi Wakayama, Chota Matsumoto, Yoriko Ayato, Yoshikazu Shimomura
14. VISUAL FIELD TESTING USING A PORTABLE TABLET DEVICE
Yu Xiang George Kong, Ming Guang He, Jonathan G. Crowston, Algis J. Vingrys

15. UTILITY OF STRUCTURAL AND FUNCTIONAL MEASUREMENTS IN DETECTING EARLY GLAUCOMA
Kazunori Hirasawa, Natsumi Takahashi, Kazuhiro Matsumura, Masayuki Kasahara, Nobuyuki Shoji

12.15 THE AULHORN LECTURE
Chair: David Garway-Heath
WHAT HAPPENS IN THE BACK OF THE EYE WHEN IOP DROPS?
Stefano Gandolfi

13.00 Session Finish
FRIDAY SEPTEMBER 30TH 2016

8.00  Registration

8.15  BREAKFAST PRESENTATION

BRIDGING THE GAP BETWEEN SAP AND SUPRA-THRESHOLD TESTING:  
A NEW SUPRA-THRESHOLD ALGORITHM  
Sponsored by Elektron Technology  
David Henson

8.45  NEW INSTRUMENTS AND TECHNIQUES II

Chairs: Nomdo M. Jansonius, Luca Rossetti

TABLET VISUAL FIELD SCREENING: COMPARISON OF TESTS AND EXAM CONDITIONS  
Chris A. Johnson, Swati Upadhyaya, Suman Thapa, Alan Robin, Jenny Reiniger, Johanne Forkel

NOVEL PERIMETRY USING EYE TRACKING ON A TABLET COMPUTER - A FEASIBILITY STUDY  
David Crabb, Wei Bi, Nicholas Smith

THE FACTORS OF VISUAL FIELD SENSITIVITY FLUCTUATION ON HIGH RESOLUTION PERIMETRY WITH 0.5-DEGREE INTERVAL  
Takuya Numata, Chota Matsumoto, Sachiko Okuyama, Fumi Tanabe, Shigeki Hashimoto, Tomoyasu Kayazawa,  
Ted Maddess, Yoshikazu Shimomura

PERFORMANCE EVALUATION OF A NOVEL COMPUTER-BASED SELF-ADMINISTERED VISUAL FIELD SCREENING TEST FOR GLAUCOMA  
Emmanouil Tsamis, Cecilia Fenerty, Robert Harper, Tariq Aslam, David Henson

10.00  POSTER SESSION C

Chairs: Paolo Capris, Mitchell Dul, Ulrich Schiefer

16. COMPARISON OF THE NEW COMPASS PERIMETER WITH HUMPHREY FIELD ANALYZER USING THE GLAUCOMA STAGING SYSTEM 2 (GSS 2)  
Paolo Fogagnolo, Giovanni Montesano, Maurizio Digiuni, Luca Rossetti, Paolo Brusini

17. COMPARISON OF RADIAL PERIPAPILLARY CAPILLARIES BETWEEN TWO OCT-A SCANNING AREAS  
Kimikazu Sakaguchi, Tomomi Higashide, Sachiko Udagawa, Shinji Ohkubo, Kazuhiisa Sugiyama

18. THE OCT STAGING SYSTEM: A NEW METHOD FOR A STANDARDIZED CLASSIFICATION OF THE GLAUCOMATOUS RETINAL NERVE FIBER LAYER LOSS ASSESSED WITH OCT  
Paolo Brusini, Marco Zeppieri, Claudia Tosoni, Maria Letizia Salvetat

19. EVALUATION OF THE AMBIENT INTERACTIVE ZEST (AIZE) OF A HEAD MOUNTED PERIMETER “IMO” IN NORMAL SUBJECTS  
Hiroki Nomoto, Chota Matsumoto, Sachiko Okuyama, Asami Minamino, Tairou Kimura, Keiji Yoshikawa, Shirou Mizoue,  
Aiko Iwase, Hajime Aihara, Shigeki Hashimoto, Takuya Numata, Sayaka Yamao, Shinji Kimura, Yoshikazu Shimomura

20. INVESTIGATING THE USEFULNESS OF CLUSTER TREND ANALYSIS  
Shuichiro Aoki, Hiroshi Murata, Ryo Asaoka

21. PRECISION OF COMPASS PERIMETER: SHORT TERM REPEATABILITY  
Luca Rossetti, Paolo Fogagnolo, Giovanni Montesano, Maurizio Digiuni, Paolo Brusini

11.00  Coffee break

11.30  PERIMETRY III

Chairs: Andrew Anderson, Hiroshi Murata

TESTING OF THE FULL VISUAL FIELD IN EARLY GLAUCOMA:  
THE IOWA OPEN PERIMETRY INITIATIVE  
Michael Wall, Paul H. Artes, Luke X. Chong, Eric Lee, Rob Wanzek, Ivan Marin-Franch, Bill Swanson, Chris A. Johnson,  
Allison M. McKendrick, Andrew Turpin
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<td>Paolo Brusini</td>
<td>A POLYMERIC NEUROINTERFACE RESTORES LIGHT SENSITIVITY IN DEGENERATE RETINAS: POTENTIAL APPLICATION AS ARTIFICIAL RETINA - Fabio Benfenati</td>
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<td>PERIMETRY IV</td>
<td>Ryo Asaoka, David Henson</td>
<td>VALIDATING VARIATIONAL BAYES LINEAR REGRESSION MODEL WITH MULTICENTRAL DATA - Hiroshi Murata, Yuri Fujino, Ryo Asaoka</td>
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<td>INCORPORATING PROBABILISTIC GRAPHICAL MODELS INTO PERIMETRIC TEST PROCEDURES - Nikki J. Rubinstein, Allison M. McKendrick, Andrew Turpin</td>
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<td>SEQUENCE EFFECTS DURING FREQUENCY-OF-SEEING EXPERIMENTS IN PERIMETRY - Marco Miranda, Paul H. Artes</td>
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<td>DE VRIES-ROSE AND WEBER LAW IN GLAUCOMA - Nomdo M. Jansonius, Marije H. de Boer, Ronald A.J.M. Bierings</td>
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<td>IPS LECTURE</td>
<td>Chris A. Johnson</td>
<td>THE VISUAL FIELD-MORE THAN JUST PERIMETRY - Ulrich Schiefer</td>
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<td>IPS GENERAL BUSINESS MEETING</td>
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