

PROGRAM & ABSTRACTS

40th Annual Meeting

Kfar Maccabiah
4th-5th March, 2020

תכנית ותקצירים
הכינוס השנתי ה-40
כפר המכבייה

4-5 במרץ, 2020

עריכת התוכנית: דר' מיכל קרמר, דר' יוסי מנדל, דר' דידי פביאן
פרופ' איתי חוברס

הפקת הכינוס:



כלים שלובים
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עיצוב והבאה לדפוס: דבורה מרקס אוחנה

תודה לחברות החסות



ISRAELI SOCIETY FOR VISION AND EYE RESEARCH**The 40th Annual Meeting, March 4-5, 2020****Program at a glance****Wednesday, March 04 , 2020**

Session	Location	Time
Coffee	Exhibition Hall	08:00 – 08:30
Opening remarks	Rayman Center	08:30 - 08:35
Rapid fire 1	Rayman Center	08:35 - 09:25
Retina - basic science	Rayman Center	09:25 - 10:30
Coffee	Exhibition Hall	10:30 - 11:00
Oncology +Pediatrics	Rayman Center	11:00 - 11:45
Cornea	Rayman Center	11:45 - 12:25
Guest lecture - K. Bailey Freund	Rayman Center	12:25 - 13:05
Lunch	Dining Room	13:05 - 14:05
Guest lecture - K. Bailey Freund	Rayman Center	14:05 - 14:45
Imaging	Rayman Center	14:45 - 15:35
Coffee	Exhibition Hall	15:35 – 16:00
Rapid fire 2	Rayman Center	16:00 - 17:00

Thursday, March 05 , 2020

Coffee	Exhibition Hall	08:00 – 08:30
Rapid fire 3	Rayman Center	08:30 - 09:30
Genetics	Rayman Center	09:30 - 10:20
Coffee	Exhibition Hall	10:20 - 10:50
Neuro + Visual function	Rayman Center	10:50 - 11:40
Updates and Awards	Rayman Center	11:40 - 12:20
Guest lecture - Sergiu Hart	Rayman Center	12:20 - 13:00
Lunch	Dining Room	13:00 - 14:00
Cataract + Glaucoma + Clinical studies	Rayman Center	14:00 - 15:15
Coffee	Exhibition Hall	15:15 - 15:40
Rapid fire 4	Rayman Center	15:40 - 16:55

יושבי-ראש של האגודה הישראלית לחקר העין והראייה

CHAIRMEN OF THE ISRAEL SOCIETY FOR VISION AND EYE RESEARCH

*- YE RESEARCH

Prof. Elaine Berman	1979 -1982	פרופ' איליין ברמן ז"ל
Prof. Michael Belkin	1983-1985	פרופ' מיכאל בלקין
Prof. Saul Merin	1986-1989	פרופ' שאול מרין ז"ל
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Prof. Fabian Abraham	1994-1996	פרופ' פביאן אברהם ז"ל
Prof. Ido Perlman	1997-1999	פרופ' אידו פרלמן
Prof. Jacob Pe'er	2000-2003	פרופ' יעקב פאר
Prof. Ahuva Dovrat	2004-2006	פרופ' אהובה דברת ז"ל
Prof. Mordechai Rosner	2007-2009	פרופ' מרדכי רוזנר
Prof. Eyal Banin	2010-2012	פרופ' איל בנין
Prof. Avi Solomon	2012-2015	פרופ' אבי סלומון
Prof. Dror Sharon	2015-2018	פרופ' דרור שרון
Prof. Itay Chowers	2019	פרופ' איתי חוברס

חברי ועד האגודה הישראלית לחקר העין והראייה
BOARD MEMBERS OF THE ISRAEL SOCIETY FOR VISION
AND EYE RESEARCH

Prof. Itay Chowers Chairman	פרופ' איתי חוברס- יו"ר
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האגודה הישראלית לחקר העין והראייה
Israeli Society for Vision & Eye Research

**מרצים המקבלים השנה פרס על עבודות שהוצגו בכנס השנה שעברה
(הכנס ה-39, 6-7 במרץ 2019)**

**Award Recipients for the Best Papers Presented at the Previous
Annual Meeting (the 39th Meeting, March 6th-7th 2019)**



העמותה לחקר בריאות העין
ומניעת עיוורון בישראל (נכ"ר)

מלגות נסיעה ל- ARVO ניתנות בעזרת מענקים
שנתרמו באדיבות:
משפחת מרין לזכרו של פרופ' שאול מרין ז"ל
משפחת דברת לזכרה של פרופ' אהובה דברת ז"ל
באדיבות עמותת "לראות".

Reut Ifrah

*Department of Medical Neurobiology, Faculty of Medicine and the
Edmond and Lily Safra Center for Brain Sciences (ELSC), Hebrew
University*

A Drosophila model for a Dehydrodolichyl Diphosphate Synthase
(DHDDS) mutation causing Retinitis Pigmentosa in humans

Sara Nagosa

*The Ruth and Bruce Rappaport Faculty of Medicine, Technion –
Israel Institute of Technology*

MicroRNA-184 controls corneal stromal thickness, epithelial cell
proliferation, adhesion and response to injury

Efrat Na'aman

Department of Ophthalmology, Rambam Health Care Campus

Oligomeric and fibrillar assemblies of Amyloid-B 42 are highly
retinotoxic: Implications for the pathophysiology of Age-Related
Macular Degeneration

Michael Mimouni

*Department of Ophthalmology, Rambam Health Care Campus,
Technion- Israel Institute of Technology*

Rosmarinic Acid Restores Complete Transparency of Human
Cataract Ex Vivo and Delays Cataract Formation In Vivo



THE ISRAELI RESEARCH ASSOCIATION FOR
EYE HEALTH AND BLINDNESS PREVENTION (R.A.)

LIROT was established in 2006 with the unique goal to fight blindness through preventive medicine and medical research.

In 2019 we organized conferences in Hebrew and Arabic on innovation in genetics of blinding eye diseases in the family to support patients and the Israeli research consortium of degenerative retinal diseases. As a result we developed a very active RP patient community on the internet.

Lirot summarized 7 years of the eye mobile project by checking more than 15.000 elderly in need and saving the vision of 21% of the diagnosed patients. Last year we started a pilot telemedicine project in collaboration with Prof. M.Weisboard of Ichilov.

Screening kindergarten children for amblyopia is already In his third year and our annual awareness campaign of 2019 was on children's health with the collaboration of Dr Alvit Wolf and Prof Yair Morad.

Lirot activities were supported by a group of dedicated volunteers ready to help develop the association.

Lirot Board

President : Prof. Mordechai Shani

Ohad Lahav: chairman

Prof. Ido Perlman: Chair of Scientific Committee

Board members:

Prof. Dov Weinberger, Prof. Anat Loewenstein, Prof. Hanah Garzozzi, Prof. Yacov Peer, Prof. Ehud Asia, Prof. Dror Sharon, Prof. Yair Morad, Prof. Avi Solomon, Prof. Hani Verbin, Prof. Melamed, Dr. Ronit Lewinger, Dr. Yafit Stark, Mrs. Iris Spiegel, Mr. Mark Amos, Dr Nir Erdinest, Prof. Arie Solomon, Prof. Itay Howers, Prof. Irit Bahar, Prof. Noam Shomron.

Lirot Staff:

Nadine Hollander, CEO

Zedkyau Baruh, Eye Mobile director

We look for more young doctors and researchers to volunteer in our preventive medicine projects please contact Nadine@eyes.org.il

www.eyes.org.il www.lirot.org

Keynote speaker ISVER 2020

K. Bailey Freund, MD

Inaugural speaker of the
Dr. Stephen and Susan Fichman
Annual Lecture in Clinical Ophthalmology

Wednesday March 4th 2020

12:25

Defining the Pachychoroid Disease Spectrum

14:05

Histologic Correlates for OCT Signatures Occurring AMD



K. Bailey Freund, MD is one of the leading retina specialists on an international He is a Clinical Professor of Ophthalmology at New York University School of Medicine. He is a senior partner at Vitreous Retina Macula Consultants of New York. He is an attending surgeon at Manhattan Eye, Ear and Throat Hospital and New York Presbyterian Hospital.

Thursday 5th March 2020 -12:20

תורת המשחקים: שידוכים יציבים, סטודנטים לרפואה ומוסר כליות

Sergiu Hart is an Israeli mathematician and economist, the Chairperson of the Humanities Division of the Israel Academy of Sciences and Humanities, and the past President of the Game Theory Society (2008–2010). He is the Kusiel-Vorreuter University Professor, professor (emeritus) of mathematics, and professor (emeritus) of economics, at the Center for the Study of Rationality at the Hebrew University of Jerusalem in Israel.



Program – Wednesday, March 4th 2020

Wednesday, March 4th 2020

Coffee and Exhibition 8:00 – 8:30

Opening remarks 8:30 – 8:35

Prof. Itay Chowers

Rapid fire I 8:35 – 9:25

Moderators:

Moderators: Einat Shneor & Guy Kleinman

1 Safety & efficacy of automated Direct Selective Laser Trabeculoplasty: First-in-Human study results

8:35

Mordechai Goldenfeld(1), Sharon Blum Meirovitch(1), Ari Leshno(1), Masha Dobkin-Bekman(2), Zachary Sacks(2), Eli Makdasi(2), Emil Abramov(2), Daniel Elkayam(2), Alon Skaat(1), Michael Belkin(1,3)

(1)Goldschleger Eye Institute, Sheba Medical Center, Sheba Medical Center (2) BELKIN Laser Ltd, Yavne (3)Goldschleger Eye Research Institute, Tel Aviv University, Sheba Medical Center

3 Visual Quality with Hybrid versus Miniscleral Contact Lens Corrections in Subjects with Keratoconus

8:38

Hala Labai, Yonatan Berkowitz, Avi Ezra, Liat Gantz
Interdisciplinary School for Sciences, Health and Society - Optometry, Hadassah Academic College

2 Does the order of intraocular pressure measurements affect the results in the left and right eyes?

8:41

Oren Peer (1), Dikla Arad (1), Cristina Lelescu (2), Maya Ross (1), Ron Ofri (1).

(1) Koret School of Veterinary Medicine, Hebrew University of Jerusalem, Rehovot, (2) The University of Agricultural Sciences and Veterinary Medicine of Cluj-Napoca (USAMVCN) Romania.

- 4**
8:44
AC
Is it necessary to wait several minutes between applications of different topical ophthalmic drugs?
Dikla Arad, Reut Dekel, Maya Ross, Ron Ofri.
Koret School of Veterinary Medicine, The Hebrew University of Jerusalem, Rehovot
- 5**
8:47
AC
Retinal and Choroid Thickness Using OCT in individuals with Type-A vs. Type-B behavior patterns
Shira Shine¹, Rachel Zaffran¹, Ravid Doron¹, Einat Shneur¹, and Yaffa Zerbib¹
Department of Optometry and Vision Science, Hadassah Academic College
- 6**
8:50
Effect of contact lens design on objective visual quality metrics in pre-presbyopic patients in photopic and mesopic lighting conditions
Orit Sztrigler (1), Noga Bamberger (1), Yonina Thee (1), Avi Ezra(1), Liat Gantz(1), Hadas Ben-Eli (1)(2)
(1) Department of Optometry and Vision Science, Hadassah Academic College (2) Department of Ophthalmology, Hadassah-Hebrew University Medical Center
- 7**
8:53
Anti-VEGF-Aptamer Modified C-Dots A Hybrid Nanocomposite for Topical Treatment of Ocular Vascular Disorders
Asaf Shoval [1,2], Amos Markus [1,2], Zhixin Zhou [3], Xia Liu [3], Romi Cazelles [3], Itamar Willner [3], Yossi Mandel [3]
[1] School of Optometry and Vision Science, Faculty of Life Sciences, Bar-Ilan University [2] Bar Ilans Institute for Nanotechnology and Advanced Materials (BINA), Bar Ilan University, [3] Institute of Chemistry, The Minerva Center for Biohybrid Complex Systems, The Hebrew University of Jerusalem
- 8**
8:56
Time Outdoors, Near Work, and Electronic Device Use in Israeli Children
Jonathan Levine [1][2], Ariela Gordon-Shaag [2], Einat Shneur [2], Ravid Doron [2], and Lisa Ostrin[3]
[1]Department of Ophthalmology, Bronxcare Health System, Bronx USA [2]Department of Optometry, Hadassah Academic College, [3]College of Optometry, University of Houston, Houston USA

- 9**
8:59
The effect of decreased near visual acuity on eye movements and reading- using the developmental eye movement test
Melanie Brodach[1] Elisheva Lederman[1] Rachel Achitov[1]
Einat Shneor[1] Rachel Eichler[1]
[1] Department of Optometry and Vision Science, Hadassah Academic College
- 10**
9:02
AC
The prevalence of ciliary body detachment in patients with serous choroidal detachment
Alon Zahavi (1,2), Orly Gal Or (1,2), David Barash (1), Assaf Gershoni (1,2), Irit Bahar (1,2), Noa Geffen (1,2)
(1) Department of Ophthalmology, Rabin Medical Center, (2) Tel Aviv University, Sackler Faculty of Medicine
- 11**
9:05
AC
Preoperative Ocular Characteristics Predicting the Development of Intraoperative Floppy Iris Syndrome
Margarita Safir [1], Idan Hecht [1], Adi Einan-Lifshitz [1], Ori Mahler [1], Eran Pras [1]
[1] Ophthalmology Department, Yitzhak Shamir Medical Center Sackler Faculty of Medicine, Tel Aviv University
- 12**
9:08
Face mask worn by patients during intravitreal injections may increase the risk of endophthalmitis
Amir Hadayer, Alon Zahavi, Eitan Livny, Orly Gal-Or, Karin Mimouni, Rita Ehrlich
Ophthalmology, Rabin Medical Center
- 13**
9:11
AC
Efficacy and comparison of mini scleral and scleral contact lenses in severe dry eye
Achia Nemet(1)*, Nir Erdinest(2)*, Naomi London(3)
(1) Sackler Faculty of Medicine, Tel Aviv University (2) The Keratoconus Center, Jerusalem (3) private practice, Jerusalem

14 Infantile high myopia as a presenting sign of retinal dystrophy caused by novel RBP3 nonsense mutation

9:14

AC

Sarit Aharoni (1), Ohad Wormser (1), Eyal Banin (2), Libe Gradstein* (3), Ohad S. Birk* (1, 4)

(1) Morris Kahn Laboratory of Human Genetics, National Institute for Biotechnology (NIBN) in the Negev Ben Gurion University (2) Departments of Ophthalmology, Hadassah-Hebrew University Medical Center (3) Department of Ophthalmology, Soroka Medical Center, and Clalit Health Services, Ben Gurion University (4) Genetics institute, Soroka Medical Center, Ben Gurion University

15 Broad spectrum anti angiogenic therapy for wet AMD

9:17

Rawnaq Esa, Ouri Schwob, Ofra Benny

Institute for Drug Research, The School of Pharmacy, Faculty of Medicine, Campus Ein Karem, The Hebrew University of Jerusalem

54 In Vivo Effects of Bimatoprost on Orbital Fat in two different ways of administration

9:20

AC

Doha Jbara(1), Maya Eiger Moscovich (2), Yariv Keshet(1), Inbal Avisar(1)

(1) ophthalmology Rabin medical center (2) ocular oncology service wills eye hospital Philadelphia

Discussion

9:23

Retina - Basic science

9:30– 10:30

Moderators:

Shiri Zayit-Soudry & Rita Ehrlich

15 PEDF-derived peptide protects against Amyloid-2- toxicity in vitro and prevents retinal dysfunction in rats.

9:30

Efrat Naaman[1], Shadi Safuri[1], Flora Macsi[1], Chen Itzkovich[2], , Ignacio Melgar-Asensio[3], Charlotte Lin[4], Rayudu Gopalakrishna[4], Jack Henkin[3], Zayit-Soudry Shiri[1,5]

[1] Department of Ophthalmology, Rambam Health Care Campus, [2] Clinical Research Institute, Rambam Health Care Campus, [3] Center for Developmental Therapeutics, Northwestern University, Evanston, IL, United States. [4] Keck School of Medicine, University of Southern California, Los Angeles, CA, United States. [5] Ruth and Bruce Rappaport Faculty of Medicine, Technion Israel Institute of Technology

16 Activated protein C protective effects on the retina are partly mediated via the Tie2 receptor

9:36

AC

Mor Dahbash (1,2,3), Yael Nisgav (1), Dov Weinberger (1,2,4) and Tami Livnat (1,2,3).

(1) Laboratory of eye research, Felsenstein Medical Research Center, Petah Tikva, (2) Sackler faculty of medicine, Tel Aviv University, (3) The Israeli National Hemophilia Center and Thrombosis Unit, and The Amalia Biron Research Institute of Thrombosis and Hemostasis, Sheba Medical Center, Tel Hashomer, (4) Ophthalmology department, Rabin Medical Center

17 Protease activated receptor 1 distribution in the neuroretina of mice under physiological conditions and in diabetes

9:42

AC

Zehavit Goldberg (1,2), Ifat Sher (1,2), Efrat Shavit-Stein (2,3), Joab Chapman (2,3), Ygal Rotenstreich (1,2)

(1) Goldschleger Eye Institute, Sheba Medical Center, Tel-Hashomer (2) Sackler Faculty of Medicine, Tel Aviv University, (3) Department of Neurology and The J. Sagol Neuroscience Center, Sheba Medical Center, Tel HaShomer,

18 Migration of mononuclear phagocytes into the subretina contributes to retinal degeneration in the Leber congenital amaurosis RPE65/rd12 mouse model

9:48
AC

Hadas Ketter-Katz (1,2), Ettel Bubis (1,2), Ifat Sher (1,2), Estela Derazne (2), Florian Sennlaub (3), Ygal Rotenstreich (1,2)
(1)Goldschleger Eye Institute, Sheba Medical Center, Tel-Hashomer . (2)Sackler Faculty of Medicine, Tel Aviv University. (3)Institut de la Vision, Sorbonne Universit es, UPMC University Paris.

19 PRCD interacts with TULP1 and TUB in the mammalian retina

9:54

Tamar Ben-Yosef, Lital Remez, Ben Cohen, Mariela J. Nevet, Leah Rizel
Department of Genetics and Developmental Biology, Rappaport Faculty of Medicine, Technion

20 In vivo and histological studies of normal and blind eyes of the Common octopus (Octopus vulgaris)

10:00

Ron Ofri (1), Nir Nehser (2), Tal Shomrat (2), Oren Peer (1), Dikla Arad (1), Maya Ross (1), Richard Dubielzig (3)
(1) Koret School of Veterinary Medicine, Hebrew University of Jerusalem, Rehovot, (2) Faculty of Marine Sciences, Ruppin Academic Center, (3) Comparative Ocular Pathology Laboratory, School of Veterinary Medicine, University of Wisconsin, Madison, WI, USA

21 Protective effects of blue light-blocking cages in the RCS rat model of retinitis pigmentosa

10:07

AC

Rawan Saeed (1,2), Hadas Ketter-Katz (1,2), Ifat Sher (1,2), Ygal Rotenstreich (1,2).
(1) The Goldschleger Eye Institute, Sheba Medical Center, Tel Hashomer. (2) The Sackler School of Medicine, Tel Aviv University

22 CCR1 Receptor as Therapeutic Target in Atrophic AMD

10:14

AC

Sarah Hayoun, Batya Rinsky, Itay Chowers
Department of Ophthalmology, Hadassah-Hebrew University Medical Center, and the Hebrew University - Hadassah School of Medicine

Discussion

10:20

Coffee and breakfast

10:30– 11:00

Pediatrics and Oncology

11:00– 11:45

Moderators:

Didi Fabian & Libe Gradstein

27 Preschool vision screening and adherence to referrals in ethnic groups in Israel: a prospective study

11:00

AC

Orit Sztrigler(1), Hadas Ben-Eli(1,2), Ariela Gordon-Shaag(1), Avia Amar(1), Bat-sheva Assous(1), Anna Bekordeza(1), Ilana Chaimov(1), Goldi Gansburg(1), Mulunesh Gathon(1), Thila Guri(1),Efrat Netanya(1), Shirel Ratzon(1), Karin Shmuel(1), Deena Zimmerman(3), Monique Toledano(3), Bruce Moore(4), Chen Stein-Zamir(3,5)

(1) Department of Optometry and Vision Science, Hadassah Academic College, (2) Department of Ophthalmology, Hadassah-Hebrew University Medical Center, (3) Jerusalem District Health Office, Ministry of Health,(4) New England College of Optometry (5) The Hebrew University of Jerusalem, Faculty of Medicine, The Hebrew University and Hadassah Braun School of Public and Community Medicine

28 Myopia and childhood migration: a study of 607,862 adolescents

11:06

AC

Alon Peled (1,2) Arnon Afek (1,3) Gilad Twig (1, 4,5,6) Eran Pras (1,2,7) Ygal Rotenstreich (1,8) Ifat Sher (8) Estela Derazne (1,4) Dorit Tzur (4) Barak Gordon (4,5)

(1)Sackler Faculty of Medicine, Tel Aviv University(2)Department of Ophthalmology,Assaf-Harofeh Medical Center(3)Medical Management, Chaim Sheba Medical Center(4)Medical Corps, Israeli Defense Forces(5)The Faculty of Medicine, The Hebrew University, (6)Department of Medicine and the Dr. Pinchas Bornstein Talpiot Medical Leadership Program, Sheba Medical Center(7)The Matlow's Ophthalmogenetics Laboratory, Assaf-Harofeh Medical Center(8)The Goldschleger Eye Institute,Sheba Medical Center

29 Lighting and epidemiologic risk factors for myopia in preschool children of the Arab population in Israel

11:12

Arwa Massarwa(1), Nagham Shama-Bakri(1), Yuval Cohen(2), Otzem Chassid(2), Hadas Ben-Eli(1)(3)

(1) Department of Optometry and Vision Science, Hadassah Academic College, (2) Department of Ophthalmology, Ziv Medical Center, (3) Department of Ophthalmology, Hadassah-Hebrew University Medical Center

24 Vismodegib for Periocular Locally Advanced Basal Cell Carcinoma

11:18

AC

Meydan Ben Ishai (1), Alon Tiosano (1), Eyal Fenig(2), Guy Ben Simon (3), Iftach Yassur (1)
(1)Department of Ophthalmology, Rabin Medical Center - Beilinson Hospital, Sackler Faculty of Medicine, Tel Aviv University, (2)Davidoff Center for Oncology, Rabin Medical Center - Beilinson Hospital, (3)Goldscgleger Eye Institute, Sheba Medical Center, Tel Hashomer, all affiliated to the Sackler Faculty of Medicine, Tel Aviv University

25 Retinoblastoma presentation: Africa vs Europe

11:24

Ido Didi Fabian(1,2), Andrew W Stacey(3), Allen Foster(2), Marcia Zondervan(2), Nir Gomel(4), Tero Kivelä(5), Francis Munier(6), Laila Hessissen(7), Richard Bowman(2)
(1)Goldschleger Eye Institute, Sheba Medical Center; (2)London School of Hygiene & Tropical Medicine, London, UK; (3)Department of Ophthalmology, University of Washington, Seattle, US; (4)Division of Ophthalmology, Sourasky Medical Center, (5)Department of Ophthalmology, Helsinki University Hospital, Helsinki, Finland; (6)Gonin Eye Hospital, Lausanne, Switzerland; (7)Pediatric Hematology Department, Mohammed V University, Rabat, Morocco

26 Scleral melting after Ru-106 brachytherapy for uveal melanoma

11:32

AC

Pablo Galarza(1), Ana Navarrete(1), Jacob Pe'er(1), Shahar Frenkel(1,2)
Division of Ophthalmology, Hadassah-Hebrew University Medical Center, (1), The Wohl Institute for Translational Medicine, Hadassah Hebrew University, (2)

11:38

Discussion

Cornea

11:45– 12:25

Moderators:

Eitan Livni & Itay Lavy

11:45 **A novel type of corneal epitheliopathy from a new class of antibody-drug conjugate anti-cancer treatments**

Shahar Frenkel (1,2), Avraham Solomon (1), Jacob Pe'er(1)
(1) *Division of Ophthalmology, Hadassah-Hebrew University Medical Center* (2) *The Wohl Institute for Translational Medicine, Hadassah-Hebrew University Medical Center,*

30 **Adhesion Strength and Rolling Properties of Descemet Membrane Endothelial Keratoplasty Grafts in a Rabbit Eye Model**

11:51

AC

Ruti Sella [1,2,3], Hideki Fukuoka [1], Matthew Haynie [1], Natalie A. Afshari [1]
[1] *Department of Ophthalmology, Shiley Eye Institute, University of California San Diego, La Jolla, CA, USA* [2] *Department of Ophthalmology, Rabin Medical Center* [3] *Tel Aviv University*

31 **Femtosecond Laser Assisted In Situ Keratomileusis versus Photorefractive Keratectomy for Correction of Hyperopia**

11:57

AC

Olga Reitblat (1,2), Assaf Gershoni (1,2,3), Eitan Livny (1,2,3), Yoav Nahum (1,2,3), Irit Bahar (1,2,3)
(1) *Ophthalmology Division, Rabin Medical Center, Petach Tikva* (2) *Sackler Faculty of Medicine, Tel Aviv University,* (3) *Assuta optic, Assuta Medical Center*

32 **Two novel stem cell populations with distinct cycling properties**

12:03

Aya Amitai-Lange (1), Anna Altshuler (1), Swarnabh Bhattacharya (1), Beatrice Tiosano (2), Liran Hanan (2), Michael Mimouni (3), Sergiu Socea (3), Ruby Shalom-Feuerstein (1)
(1) *Technion - Israel Institute of Technology* (2) *Hillel Yafe Medical Center* (3) *Rambam medical center*

Program – Wednesday, March 4th 2020

33 A novel quantification system of corneal staining in patients wfluorescein ith dry eyes

12:09

AC

Or Shmueli(1), Arie maya barbavid(1), Hadas Ben-Eli(1), Avraham solomon(1)

(1) Department of Ophthalmology, Hadassah-Hebrew University Medical Center

34 Clinical Outcomes of Descemet Membrane Endothelial keratoplasty in Patients Over 85 Years old

12:15

Eitan Livny(1,2), Asaf Achiron(1), Yoav Nahum(1,2), Alon Tiosano(1), Issac Levy(1), Raneen Shehadeh-Mashor(3), Uri Elbaz(1,2), Irit Bahar(1,2)

(1) Department of Ophthalmology, Rabin Medical Center (2) Sackler School of Medicine, Tel Aviv University, (3) Department of Ophthalmology, Baruch Padeh medical center, Poriyah

12:21 **Discussion**

Guest lecture - K. Bailey Freund

12:25– 13:05

Defining the Pachychoroid Disease Spectrum

Lunch break

13:05 - 14:05

Guest lecture - K. Bailey Freund

14:05 - 14:45

Histologic Correlates for OCT Signatures Occurring AMD

Imaging

Moderators:

Orly Gal-or & Liran Tioosano

**36 Repeatability and Reproducibility of
14:45 Corneal Epithelial Thickness Mapping with
AC Spectral Domain Optical Coherence
Tomography**

Ruti Sella [1,2,3], Linda M. Zangwill [1], Robert N. Weinreb [1], Natalie A. Afshari [1]

[1] Department of Ophthalmology, Shiley Eye Institute, University of California San Diego, La Jolla, CA, USA [2] Department of Ophthalmology, Rabin Medical Center, [3] Tel Aviv University

**37 Automatic detection of complete retinal
14:51 pigment epithelium and outer retinal
AC atrophy in optical coherence tomography
scans using deep learning**

Or Shmueli(1), Adi Szeskin(2), Roei Yehuda(2), Leo Joskowicz(2), Jaime Levy(1)

(1) Department of Ophthalmology, Hadassah Medical Center, (2) School of Computer Science and Engineering, The Hebrew University of Jerusalem

**38 Full thickness macular defects in AMD:
14:57 distinguishing between two clinical
AC entities**

Shani Pillar(1), Achia Nemet(1), Rita Ehrlich(2), Dana Barequet(3), Amir Rosenblatt(3), Elad Moisseiev(3), Hillel Greifner(4), Itay Magal(4), Ori Segal(1)

(1) Department of Ophthalmology, Meir Medical Center, (2) Department of Ophthalmology, Rabin Medical Center - Beilinson Hospital, (3) Department of Ophthalmology, Tel Aviv Souraski Medical Center, (4) Department of Ophthalmology, Shaare Zedek Medical Center

39 **Effect of anti-VEGF treatment on choroidal neovascularization flow patterns in age-related macular degeneration assessed by OCTA**

15:03
AC

Orly Gal-Or(1) Edward Barayev(1), Amit Meshi (1), Assaf Gershoni(1), Ori Segal(2), Rita Ehrlich(1)
(1) *Department of ophthalmology , Rabin Medical Center, (2) Department of Ophthalmology, Meir Medical Center*

40 **Long term follow-up of disorganization of the retinal inner layers as a predictor of visual acuity in macular edema secondary to vein occlusion**

15:09
AC

Assaf Ben-Arzi (1), Ori Segal (1)
(1) *Department of Ophthalmology, Meir Medical Center*

41 **Optimizing the Repeatability of Choriocapillaris Flow Deficit Measurement from Optical Coherence Tomography Angiography**

15:15

Liran Tiosano (1,2,3), Iksoo Byon (1,2); Ahmed Roshdy Alagorie (1,2); Yongsok Ji (1,2); SriniVas R. Sadda (1,2)
(1) *Doheny Image Reading Center, Doheny Eye Institute, Los Angeles, CA, USA. (2) Department of Ophthalmology, David Geffen School of Medicine at UCLA, Los Angeles, CA, USA. (3) Department of Ophthalmology, Hadassah-Hebrew University Medical Center, and the Hebrew University Hadassah School of Medicine*

42 **Choriocapillaris Flow Deficit associated with Intraretinal Hyperreflective Foci in Intermediate Age-Related Macular Degeneration**

15:21

Liran Tiosano (1,2,3), Iksoo Byon (1,2), Ahmed Roshdy Alagorie (1,2), Yongsok Ji (1,2), Srinivas R. Sadda (1,2)
(1) *Doheny Image Reading Center, Doheny Eye Institute, Los Angeles, CA, USA. (2) Department of Ophthalmology, David Geffen School of Medicine at UCLA, Los Angeles, CA, USA. (3) Department of Ophthalmology, Hadassah-Hebrew University Medical Center, and the Hebrew University - Hadassah School of Medicine*

43 Automatic Detection Of Retinal Disease: Screening and Ophthalmologist Virtual Assistant

15:27

AC

Tamar Levi Vineberg (1) Itay Magal(2)
(1)*Ophthalmology Department, Hadassah-Hebrew University Medical Center, (2) Shaare Zedek Medical Center, Ophthalmology Department*

15:33 **Discussion**

Coffee and exhibition

15:35-16:00

Rapid fire II

16:00 – 17:00

Moderators:

Nitza Goldenberg-Cohen & Ori Segal

44 The effect of hemodialysis on individual retinal layers' thickness

16:00

Idit Maharshak,(1,5) Idan Hecht,(3,5) Lihi Mankuta,(6) Asaf Achiron,(1,5) Oriel Spierer,(1,5) Zvia Burgansky,(4,5) Asaf Bar,(1,5) Aliza Grossbard,(2,5) Anna Katkov,(2,5) Relu Cernes,(2,5) Leonid Feldman.(2,5)

(1)*Department of Ophthalmology, Edith Wolfson Medical Center, (2)Department of Nephrology and Hypertension, Edith Wolfson Medical Center, (3)Department of Ophthalmology, Shamir Medical Center, (4)Department of ophthalmology, Meir medical center, Israel Sackler School of Medicine, Tel-Aviv University, (6)Department of Medicine, Faculty of Health Sciences, Ben-Gurion University of the Negev,*

45 Outcomes of Combined Phaco-Vitreotomy Without Corneal Suturing

16:03

Amir Hadayer, Yehonatan Weinberger, Orly Gal-Or, Dov Weinberger, Rita Ehrlich
Rabin Medical Center

46 Eye patching after cataract surgery is associated with an increased risk of short-term corneal edema

16:06

AC

Inbal Gazit (1), Biana Dubinsky-Pertzov (1), Lior Or (1) Eran Pras (1) Avner Belkin (2) Adi Einan-Lifshitz (1)
(1)*Ophthalmology department, Shamir medical center, (2) Ophthalmology department, Meir Medical Center*

47 **The Effect of Anterior Chamber Depth, Lens Thickness, and White-To-White Measurements on The Barrett Universal II Formula Calculations**
16:09
AC

*Yakov Vega; *Assaf Gershoni; Asaf Achiron; Yehonatan Weinberger; Eitan Livny; Yoav Nahum; Irit Bahar; Uri Elbaz
*The first two authors contributed equally to this work
Department of Ophthalmology, Rabin Medical Center, Sackler Medical School, Tel Aviv University

48 **Influence of Spectralis® OCT signal strength on Macular and Retinal Nerve Fiber Layer parameters**
16:12
AC

Edward Barayev (1,4), Assaf Gershoni (1,4) Igor Vainer (2), Raviv Allon (2), Roy Yavnieli (3), Yinon Shapira (2), Michael Mimounni (2), Ori Segal (3,4)
(1) Department of Ophthalmology, Rabin Medical Center, (2) Department of Ophthalmology, Rambam Health Care Campus, (3) Department of Ophthalmology, Meir Medical Center, (4) Sackler Faculty of Medicine, Tel Aviv University

49 **The use of Triamcinolone for hydrodissection and visualization prior to epiretinal injections**
16:15
AC

Maya Ross (1), Edward Averbukh (2), Eyal Banin (2), Alexey Obolensky (2), Leah Byrne (3), Zhouhuan Xi (3), Hen Honig (4), Esther Yamin (2) Alexander Rosov (4), Hay Dvir (4), Elisha Gootwine (4), Ron Ofri (1)
(1) Koret School of Veterinary Medicine, Hebrew University of Jerusalem, (2) Department of Ophthalmology, Hadassah-Hebrew University Medical Center, (3) Department of Ophthalmology, University of Pittsburgh, Pittsburgh, USA (4) Department of Animal Science, ARO, The Volcani Center

50 **Discordance between expected and observed prevalence of specific inherited retinal disease (IRD) genotypes**
16:18

Dror Sharon, Mor Hanany
Department of Ophthalmology, Hadassah Medical Center, Faculty of Medicine, The Hebrew University of Jerusalem

51 **Variable Phenotype of Knobloch Syndrome caused by Biallelic COL18A1 Mutations in Children**

16:21

Claudia Yahalom (1), Dror Sharon (1), Eyal Banin (1), Mor Hanany (1), Adva Kimchi (1,2), Michal Macarov (1,2), Vardiella Meiner (2), Karen Hendler (1)

1-Department of Ophthalmology, Hadassah-Hebrew University Medical Center, 2-Department of Genetics and Metabolic Diseases, Hadassah-Hebrew University Medical Center

53 **OCTA imaging for evaluating graft revascularization post pterygium surgery**

16:24

AC

Yariv Keshet (1,2), Asaf Polat (1,2), Elinor Megiddo (2,3) Michal Schaap Fogler (1,2)

(1) Department of Ophthalmology, Rabin Medical Center, (2) Sackler Faculty of Medicine, Tel Aviv University, (3) Department of Ophthalmology, Wolfson Medical Center

55 **Metallic nanoparticles in tears: Implementation of Ion Beam Analysis to differentiating the rural and urban populations.**

16:30

AC

Noa Cohen-Sinai (1) , Olga Girshevitz (2), Yoav Vardizer (1), Dror Fixler (2), Nitza Goldenberg-Cohen (2)

(1) Department of Ophthalmology Bnai-Zion Medical Center, Technion, Israel Institute of Technology, (2) Bar Ilan Institute of Nanotechnology and Advanced Materials (BINA), Bar-Ilan University

56 **Therapeutic potential of mitochondrial transplantation in ocular diseases**

16:33

AC

Ortal Zaks (1), Michal Aharoni-Simon (1), Keren Ben Yaakov (1), Maya Sharvit-Bader (1), Arie Marcovich (1,2), Hana Leiba (1,2), Ziv Rotfogel (1,2)

1. Department of Ophthalmology, Kaplan Medical Center, 2. Bio-Medical Sciences, The Hebrew University of Jerusalem

57 **Genetic characterization of Blepharophimosis population in Israel and the relation to ovarian insufficiency**

16:36

AC

Rawan Kharouba[1], Nitza Goldenberg-Cohen[1,2], Yoav Vardizer[1]

[1] Bnai Zion Medical Center, [2] Technion

58 **A NOVEL FINDING OF HYPERREFLECTIVE MATERIAL IN THE SILICONE-RETINA INTERFERE - AN OPTICAL COHERENCE TOMOGRAPHIC AND HISTOPATHOLOGICAL STUDY**

16:39

Shulamit Schwartz(1,2) Omer Trivizki (1,2) Dinah Zur (1,2) Dafna Goldenberg (1)Adiel Barak (1,2)
(1) *OPHTHALMOLOGY Tel Aviv Medical Center* (2) *Sackler Faculty of Medicine, Tel Aviv University*

59 **Can we prevent LHON in the next generation?**

16:42

Karin Herscu (1,2), Nitza Cohen-Goldenberg (1,2)

AC

(1) *Ophthalmology Department, Brai Zion Medical Center,* (2) *Technion- Israel Institute of Technology*

60 **Case Report: A successful treatment for a child with Cystinosis**

16:45

Oz Levinkron (1) Orly Ha'lahmi-Eyal (1)

AC

(1) *Ophthalmology Ha-Emek medical center*

35 **Comparison between adhesive properties of a semi-autologous glue composed of cryoprecipitate and commercial thrombin and a commercial biological glue**

16:48

AC

Ori berliner (1) Lihi Adler-Abramovich (3) Yitzhaq Moradov (2) Ron Kadmoni (2) Shavit Tabo (2) Shani Yeshayahu (2) Reut Kesner (2) Uri Elbaz (1) Moran Aviv (2,3)

(1) *Department of ophthalmology, Rabin medical center,* (2) *School of Medical Engineering, Afeka Tel Aviv Academic College of Engineering,* (3) *Department of Oral Biology, The Goldschleger School of Dental Medicine, Sackler Faculty of Medicine, Tel Aviv University*

16:48

Discussion

Gala Dinner
"Na Lagaat" – Jaffa port

18:00

Thursday, March 5th 2020

Coffee and Exhibition 8:00 -8:30

Rapid fire III 8:30 – 9:45

Moderators:

Ron Ofri

61 **The beneficial effects of aflibercept in treating chemical induced corneal neovascularization**
8:30

Ariel Gore ,Tamar Kadar, Mayyan Cohen, Hila Gutman, Liat Cohen, Relli Gez, Shlomit Dachir and Vered Horwitz
Department of Pharmacology, Israel Institute for Biological Research

62 **Changes in contrast sensitivity after subacute stroke**
8:33

Soley Einy(1), Yudit Horovitch(1), Haim Wircer(1), Hadas Ben-Eli(1) (2)
(1) Department of Optometry and Vision Science, Hadassah Academic College (2) Department of Ophthalmology, Hadassah-Hebrew University Medical Center

63 **Finite element modelling of corneal paired arcuate relaxing incisions for the treatment of astigmatism**
8:36

Yoav Nahum[1], Amit Ron[2], Yair Goldberg[2], Moshe Brand[2]
[1] Ophthalmology Department, Rabin Medical Center [2] Department of mechanical engineering and mechatronics, Ariel University

64 **Automatic segmentation of Descemet's membrane detachment following DMEK surgery**
8:39

Yoav Nahum[1], Hava Mechtayev[1], Irit Bahar[1], Yahel Oren[2], Ella Sahar[2], Yair Zimmer[2]
[1] Ophthalmology Department, Rabin Medical Center [2] School of Medical Engineering, Afeka College of Engineering

65 **Video Recording and Light Intensity Change Analysis during Cataract Surgery Using an Animal Model**

8:42
AC

Ruti Sella [1,2,3], Hideki Fukuoka [1], Spencer D. Fuller [1], Craig See [1], Natalie A. Afshari [1]
[1] Department of Ophthalmology, Shiley Eye Institute, University of California San Diego, La Jolla, CA, USA [2] Department of Ophthalmology, Rabin Medical Center, [3] Tel Aviv University

66 **Safety and efficacy of ocular repetitive magnetic stimulation in moderate to severe dry eye disease**

8:45

Hadas Ben-Eli(1,4),yoav David Zadok(2), Haggay Avizemer(3), Asaf Bar(3), David Smadja(2), Abraham Solomon(1)
(1)Department of Ophthalmology, Hadassah-Hebrew University Medical Center, (2) Department of Ophthalmology, Shaare Zedek Medical Center, (3)Department of Ophthalmology, Wolfson Medical Center, (4)Department of Optometry and Vision Science, Hadassah Academic College

67 **Prospective evaluation of naïve PDR cases treated by intravitreal anti-VEGF injections using optical coherence tomography angiography**

8:48
AC

Brice Vofo(1), Levy Jaime(1)
(1) Ophthalmology Department, Hadassah Medical Center

68 **The role of LIM homeodomain 2 (Lhx2) and LIM-domain-binding 1 (Ldb1) in differentiation of the Mammalian Retinal-Pigmented Epithelium (RPE)**

8:51

Mazal Cohen
Tel Aviv

69 **Foveal hypoplasia as a cause for unexplained poor visual acuity**

8:54
AC

Shalhevet Goldfeather Ben Zaken (1), Hana Leiba (1), Beatrix Hadas (1), Niv Levi (1), Peter Hoffman (1), Reut Parness-Yossifon (1)
(1) Ophthalmology Department, Kaplan Medical Center

**70 Issues of Multifocal and Bifocal Glasses
Compatibility in Parkinsons Disease**

8:57

Aliza Geller (1), Josh Kruger (1)
(1) Department of Ophthalmology, Hadassah Medical Center

**71 Refractive Surgery in IDF Recruits - a Rising
Trend**

9:00

Eran Greenbaum (1,3), Edward Barayev (1,3), Sagi Shpitzer (1.3), Yoav Nahum (2.3), Eitan Livny (2.3), Assaf Gershoni (2,3), Irit Bahar(2,3)
1 Israel Defense Forces, Medical Corps. 2 Rabin Medical Center, 3 Tel Aviv University

**72 Herpes viral polymerase chain reaction in
donor corneas**

9:03

AC Eleanor Ngwe Nche (1), Ayala Katzir (1), Dana Wolf (2), Denise Wajnstajn (1), David Landau (1), Avraham Solomon (1), Lavy Itay(1)

(1) Ophthalmology department, Hadassah-Hebrew University Medical Center, (2) Microbiology department, Hadassah-Hebrew University Medical Center

**73 Ocular toxicity of Belantamab Mafodotin in a
compassionate use program to treat patients
with relapsed/refractory multiple myeloma**

09:06

David Varssano (1), Irit Avivi (2), Shay Gutfreund (1), Tamir Shragai (2), Mark Krauthamer (1), Yael C. Cohen (2)

(1) Department of Ophthalmology, Tel Aviv Sourasky Medical Center and Sackler Faculty of Medicine, Tel Aviv University, (2) Department of Hematology, Tel Aviv Sourasky Medical Center and Sackler Faculty of Medicine, Tel Aviv University

**74 Ocular surface temperature highlights
differences in retinal vascular disease**

09:09

AC Ari Leshno, Hadar Naidorf, Joseph Moisseiev, Amir Alhalel
Goldschleger Eye Institute, Sheba Medical Center, Tel-Hashomer, Israel affiliated to the Sackler Faculty of Medicine, Tel Aviv University

75 Characterization of synaptogenesis in human photoreceptors precursors - In-vitro and ex-vivo model

09:12

AC

Aviad Slotky(1,2,3), Amos Markus (1,2,3), Yossi Mandel (1,2,3)
(1) *Mina and everard Goodman Faculty of life science, Bar-Ilan University*, (2) *School of Optometry and vision science, Faculty of life science, Bar-Ilan University* (3) *Bar-Ilan Institute for nanotechnology and advanced materials (BINA), Bar-Ilan University*

76 Soft contact lens wear affects meibomian glands

9:15

AC

Achia Nemet(1)*, Nir Erdinest(2)*, Naomi London(3)
(1) *Sackler Faculty of Medicine, Tel Aviv University*, (2) *The Keratoconus Center, Jerusalem*, (3) *private practice, Jerusalem*

77 Lens coloboma - Ophthalmic, systemic and genetic manifestations.

9:18

Christine Safieh [1] Orly Halachme [1] Daniel Briscoe [1]
Ophthalmology Department, Emek Medical Center

9:21

Discussion

Genetics

9:30 – 10:20

Moderators:

Tamar Ben Yosef & Eran Pras

77 Is SCAPER a cell-cycle regulator or a ciliary protein?

9:30

AC

Yasmin Tatour (1), Hadas Bar-Joseph (2), Ruth Shalgi (2),
Tamar Ben-Yosef (1)
(1) *Department of Genetics and Developmental Biology, Rappaport Faculty of Medicine, Technion*, (2) *Department of Cell and Developmental Biology, Sackler Faculty of Medicine, Tel-Aviv University*

78 MicroRNAs as biomarkers for ocular involvement in juvenile idiopathic arthritis

9:36

AC

Shani Pillar(1,2), Yael Sharon(2,4), Nir Pillar(2), Guy Shapira(2), Gil Amarilyo(2,3), Liora Harel(2,3), Noam Shomron(2), Michal Kramer(2,4)

(1) Department of Ophthalmology, Meir Medical Center, (2) Sackler Faculty of Medicine, Tel Aviv University, (3) Department of Pediatric Rheumatology, Rabin Medical Center (4) Department of Ophthalmology, Rabin Medical Center

80 A Deep Intronic Substitution in CNGB3 is One of the Major Causes of Achromatopsia among Jewish Patients

9:42

AC

Hamzah Aweidah (1), Manar Salameh (1), Michal Macarov (1), Nicole Weissschuh (2), Susanne Kohl (2), Eyal Banin (1), Dror Sharon (1)

(1) Department of Ophthalmology, Hadassah Medical Center, Faculty of Medicine, The Hebrew University of Jerusalem, (2) Institute for Ophthalmic Research, Centre for Ophthalmology, University of Tübingen, Tübingen, Germany

81 Bestrophin1 Mutations Associated with Best Disease and ADVIRC Phenotypes Affect Distinct Biophysical Functions of Bestrophin1

9:48

AC

Shadi Safuri (1,2), Ronit Heinerich (2), Shai Berlin (2), Ido Perlman (2)

(1) Department of Ophthalmology, Rambam Health Care Campus, (2) Ruth & Bruce Rappaport Faculty of Medicine, Technion-Israel Institute of Technology, and the Rappaport Institute

82 Characterization of a new knock-in (KI) Fam161a mouse model for the human pathogenic nonsense mutation p.Arg523*

9:54

AC

Prakadeeswari Gopalakrishnan, Avigail Beryozkin-Munitz, Alexey Obolensky, Chen Matsevich, Eyal Banin, Dror Sharon

Department of Ophthalmology, Hadassah Medical Center, Faculty of Medicine, The Hebrew University of Jerusalem,

83 Identification of a Homozygous Fameshift Mutation in SLC4A7 as the Cause of Autosomal Recessive Retinitis Pigmentosa in Jews of Oriental Origin

10:00
AC

Talya Millo, Devora Marks Ohana, Mor Hanany, Boris Rosin, Eyal Banin, Dror Sharon
Department of Ophthalmology, Hadassah Medical Center, Faculty of Medicine, The Hebrew University of Jerusalem

84 First Steps Towards Gene Therapy of FAM161A: How Can We Overcome Alternative Splicing?

10:06

Avigail Beryozkin (1), Prakadeeswari Gopalakrishnan (1), Chen Matsevich (1), Alexey Obolensky (1), M^olissa Desrosiers (2), Deniz Dalkara (2), Eyal Banin (1), Dror Sharon (1)
(1) Department of Ophthalmology, Hadassah Medical Center, Faculty of Medicine, The Hebrew University of Jerusalem, (2) Sorbonne Universit^es, UPMC Univ Paris 06, INSERM, CNRS, Institut de la Vision, 75012 Paris, France

10:12 **Discussion**

Coffee and Exhibition

10:20 -10:50

Neuro and Visual function

10:50 – 11:40

Moderators:

Josh Kruger & Ifat Sher

85 Photovoltaic restoration of sight in geographic atrophy: one-year follow-up

10:50

Daniel Palanker [1], Yannick Le Mer [2], Ralf Hornig [3], Guillaume Buc [3], Martine Deterre [3], Saddek Mohand-Said [4], Jose A. Sahel [2,5]

[1] Department of Ophthalmology and Hansen Experimental Physics Laboratory, Stanford University, CA, USA; [2] Department of Ophthalmology, Fondation Ophtalmologique A. de Rothschild, Paris, France; [3] Pixium Vision, Paris, France [4] Clinical Investigation Center, Quinze-Vingts National Eye Hospital, Paris, France; [5] Department of Ophthalmology, University of Pittsburgh School of Medicine, Pittsburgh, PA, USA

86 **Retinotopic to spatiotopic mapping in blind patient implanted with visual cortical neurostimulator**

10:56

Avi Caspi (1,2,3)

(1) *Jerusalem College of Technology* (2) *Second Sight Medical Products, Inc., Sylmar, USA*; (3) *Wilmer Eye Institute, Baltimore, USA*

87 **Experimental achromatopsia treatment reveals the extant of cortical recovery in adulthood**

11:02

Ayelet McKyton (1), Eyal Banin (2), Netta Levin (1)

(1) *Neurology Department, Hadassah Medical Center*, (2) *Ophthalmology Department, Hadassah Medical Center*

88 **Noninvasive objective diagnosis and monitoring of patients with focal intracranial pathology based on pupil response for focal chromatic light stimuli**

11:08

Ifat Sher (1,2), Amit Hamburg (1,2), Anton Wohl (2,3), Zvi Cohen (2,3), Ygal Rotenstreich (1,2),

(1) *Goldschleger Eye Institute, Sheba Medical Center, Tel-Hashomer, Sackler Faculty of Medicine, Tel Aviv University*, (3) *Department of Neurosurgery, Sheba Medical Center, Tel Hashomer*

89 **A Retrospective Study to Determine the Normal Range of Vascular Compression of the Optic Nerve and Chiasm.**

11:14

AC

Elchanan Parnasa (1), Josh Kruger (1)

(1) *Department of Ophthalmology, Hadassah Medical Center*

90 **Automated Visual Field Abnormalities - a Multi-Phase Survey of Neuro-Ophthalmologists and Consensus Statement**

11:20

Josh Kruger (1)

(1) *Hadassah Medical Center*

**91 OPTIC NEURITIS MONITORING USING
11:26 OBJECTIVE VISUAL FIELD TESTING**

AC Shlomit Zorani (1,2), Yisroel Tucker (1), Ifat Sher (1,2), Amit Hamburg (1,2), Daniel Ben Ner (1), Ofir Zmira (2,3), David Magalashvili (3), Mark Dolev (3), Anat Achiron (2,3), Ygal Rotenstreich (1,2)

(1) Goldschleger Eye Institute, Sheba Medical Center, Tel-Hashomer, (2) Sackler Faculty of Medicine, Tel Aviv University, (3) Multiple Sclerosis Center, Sheba Medical Center, Tel-Hashomer

**92 Cortical responses to prosthetic retinal
11:32 stimulation are significantly affected by the
AC light-adaptive state of the surrounding
natural retina**

Rivkah Lender [1,2], Tamar Arens-Arad [1,2], Nairouz Farah [1,2], Thomas Flores [3], Daniel Palanker [3,4], Yossi Mandel [1,2]

[1] Faculty of Life Sciences, School of Optometry and Vision Science, Bar-Ilan University, [2] Bar-Ilan Institute for Nanotechnology and Advanced Materials (BINA), Bar-Ilan University, [3] Hansen Experimental Physics Laboratory, Stanford University, CA 94305, USA [4] Ophthalmology, Stanford University, CA 94305, USA

11:38 Discussion

Awards and ISVER update 11:40 -12:20

Guest Lecture - Sergiu Hart 12:20 – 13:00

תורת המשחקים: שידוכים יציבים,
סטודנטים לרפואה ומוסר כליות

13:00 – 14:00

Lunch

Cataract, Glaucoma & Clinical studies

14:00 – 15:15

Moderators:

Hadas Ben Eli & Alon Zahavi

93 Result of the AssiAnchor Capsule Device in Subluxated Crystalline Lenses

14:00

Shalhevet Goldfeather Ben-Zaken (1), Guy Kleinmann (2)
(1) The Department of Ophthalmology, Kaplan Medical Center, Rehovot, (2) The Department of Ophthalmology, Edith Wolfson Medical Center, Holon, Israel

94 Clinical Outcome of Iris versus Scleral Intraocular Lens Fixation

14:06

Shani Levy-Neuman,¹ MD, Olga Reitblat,² MD, Arie Marcovich,¹ MD PHD, Amir Bukelman,¹ , Guy Kleinmann,³ MD
1. Department of Ophthalmology, Kaplan Medical Center, 2. Ben-Gurion University of the Negev, 3. Department of Ophthalmology, E. Wolfson Medical Center

95 Clinical characteristics and outcomes of pediatric posterior lenticonus associated with cataract

14:12

AC

Rani Patal¹, Evelyne Cohen¹, Ran David¹, Milka Matanis-Sudan¹, Hadas Mechoulam¹ and Irene Anteby¹
1 Center for Pediatric Ophthalmology, Department of Ophthalmology, Hadassah-Hebrew University Medical Center

96 Residual astigmatism predictors by pre-operative modalities in toric intraocular lenses for cataract surgery

14:18

AC

Ron Kaufman (1), Or Shmueli (1), Moran Malayev (2), Mor Itzhaki (2), Itay Chowers (1), Hadas Ben-Eli (1,2)
(1) Department of Ophthalmology, Hadassah-Hebrew University Medical Center, (2) Department of Optometry and Vision Science, Hadassah Academic College

**97 Alzheimers disease as a risk factor for a
14:24 decreased visual outcome after cataract
 surgery**

AC Ron Kaufman (1), Ori Saban (1), Shahar Luski (2), Jaime Levy
 (1), Itay Chowers (1), Hadas Ben-Eli (1,3)
 *(1) Department of Ophthalmology, Hadassah-Hebrew University Medical
 Center, (2) Hebrew University of Jerusalem (3) Department of Optometry
 and Vision Science, Hadassah Academic College*

**98 How do non pigmented ciliary epithelium
14:30 derived exosomes transfer their signals to
 the trabecular meshwork in the ocular
 drainage system?**

AC Saray Tabak, Sofia Schreiber-Avissar, Elie Beit-Yannai
 *Department of Clinical Biochemistry & Pharmacology, Ben-Gurion
 University of the Negev*

**99 Optical coherence tomography for
14:36 differentiation between glaucomatous and
 suprasellar-tumor related optic disc
 appearance**

AC Alon Zahavi (1,2,3), Yehonatan Weinberger (1,2), Noa Geffen
 (1,2), Itay Gabbay (1,2), Michael Mimouni (4,5), Orly Gal-Or
 (1,2), Dan D Gaton (1,2), Hadas Stiebel-Kalish (1,2,3)
 *(1) Department of Ophthalmology, Rabin Medical Center, (2) Sackler
 School of Medicine, Tel Aviv University, (3) Felsenstein Medical
 Research Center, (4) Department of Ophthalmology, Rambam Health
 Care Campus, (5) Technion-Israel Institute of Technology*

100 Retinal Displacement Detected with Fundus Autofluorescence following Pneumatic Retinopexy vs. Pars Plana Vitrectomy (INTEGRITY STUDY)

14:42
AC

Brosh K(1), Francisconi CLM(1), Qian J(2), Sabatino F(3), Juncal VR(1), Hillier RJ(3), Chaudhary V(2), Berger AR(1), Giavedoni LR(1), Wong DT(1), Altomare F(1), Kadhim MR(3), Newson R4(3), Marafon SB(1), Muni RH(1).

(1)St. Michael's Hospital, Toronto, CANADA, (2)St. Joseph's Healthcare, Hamilton CANADA (3)Royal Victoria Infirmary, Newcastle upon Tyne, UK

101 Minimal treatment for retinal vein occlusion: How low can you go?

14:48

Russell Pokroy

Department of Ophthalmology, Barzilai Medical Center

102 Penetrating ocular injuries at Emek medical center between the years 2014 and 2017

14:54

Christine Safieh [1] Eldad Adler [1] Daniel Briscoe [1]

[1] Ophthalmology Department, Emek Medical Center

103 Risk Factor for Vision Loss in Anterior Uveitis

15:00

AC

Karin Herscu (1,2), Efrat Vitchevsky (2), Oren Tomkins-Netzer (1,2)

(1) Ophthalmology Department, Bnai Zion Medical Center, Haifa (2) Technion- Israel Institute of Technology, Haifa

15:06 Discussion

Coffee and Exhibition

15:15 -15:40

Rapid fire IV

15:40 – 17:00

Moderators:

Daniel Briscoe & Shachar Frenkel

104 Prevalence of Demodex among Chronic Dacryocystitis patients

15:40

Christine Safieh [1] Ester Lieve [2] Daniel Briscoe [1]
[1] *Ophthalmology Department, Emek Medical Center, Afula, Israel* [2]
Pathology Department, Emek medical center, afula, Israel

105 Unjustifiable Abandon of Scleral Buckling Technique: Outcomes of Primary Rhegmatogenous Retinal Detachment Repair among Young Patients

15:43

AC

Khaled Safadi, Itay Chowers, Samer Khateb
Department of Ophthalmology, Hadassah-Hebrew Medical Center, Jerusalem, Israel

106 Multi-Modal Image Analysis to Quantify Elmiron Retinal Toxicity Demonstrates an Dose-Response Curve

15:49

AC

Aviel Hadad (1), Omar Helmy (2), Samuel Leeman(2), Shlomit Schaal(2)
(1) Department of Ophthalmology, Soroka Medical Center, Ben-Gurion University, Beer-Sheva, Israel. (2) Department of Ophthalmology and Visual Sciences, University of Massachusetts Medical School, Worcester, MA, USA.

107 Topical interferon alpha 2a for ocular surface tumors

15:46

Jacob Pe'er (1), Shachar Frenkel (1,2)
1 - Division of Ophthalmology, Hadassah-Hebrew University Medical Center, Jerusalem, Israel 2 - The Wohl Institute for Translational Medicine, Hadassah-Hebrew University Medical Center, Jerusalem, Israel.

108 Eye-tracking-based prolonged dichoptic amblyopia treatment reduces interocular suppression

15:55

Oren Yehezkel, Michael Belkin, Tamara Wygnanski ׀“ Jaffe
1. Novasight Ltd, Airport city, Israel. 2. Goldschleger Eye Research Institute, Sheba Medical Center, Tel Hashomer, Israel. 3. Goldschleger Eye Institute, Sheba Medical Center, Tel-Hashomer, Israel.

109 Subconjunctival Aflibercept for the Treatment of Corneal Neovascularization

15:58

AC

Ruti Sella(1,2), Meydan Ben Ishai (1,2), Eitan Livny(1,2), Yoav Nahum(1,2), Irit Bahar(1,2)
(1) Department of Ophthalmology, Rabin Medical Center, Petach Tikva, Israel; (2) Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel

110 Endophthalmitis Epidemiology Study in the Jerusalem Area

16:01

AC

Juan M Sanchez (1) Radgonde Amer (1)
Hadassah Medical Center

111 The effect of injection volume of ICG into the EVSC on dye distribution and intraocular pressure

16:04

Ygal Rotenstreich (1,2), Hadas Ketter-Katz (1,2), Ettl Bubis (1,2), Zehavit Goldberg (1,2), Rawan Saeed (1,2), Ifat Sher (1,2)
(1) The Goldschleger Eye Institute, Sheba Medical Center, Tel Hashomer. (2) The Sackler School of Medicine, Tel Aviv University, Tel Aviv.

112 Does method of delivery influence recurrence of rhegmatogenous retinal detachment.

16:07

Galia Adler (1), Assaf Dotan (1)(2)
(1) Department of Ophthalmology, Rabin Medical Center, Petah Tikva
(2) Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv

113 The incidence of consecutive exotropia after bi-medial recession for esotropia using non-absorbable or absorbable sutures: retrospective cohort study

16:10
AC

Biana Dubinsky-Pertzov, Eran Pras, Morris E. Hartstein¹, Yair Morad
Shamir Medical Center, Tel-Aviv University, Israel

114 Significance of the Time Interval From Diagnosis to First Intravitreal Bevacizumab Injection in Naive Exudative Age-Related Macular Degeneration

16:13
AC

*Assaf Gershoni (1,2); *Rabeea H.Daood (1); Orly Gal-Or (1,2); Olga Reitblat (1); Maria Tressler (1); Michal Schaap Fogler (1,2); Amir Hadayer (1,2); Assaf Dotan (1,2), Rita Ehrlich (1,2) *The first two authors contributed equally to this work.
(1) *Ophthalmology Division, Rabin Medical Center, Petach Tikva, Israel*
(2) *Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel*

115 Rapid onset post-operative pre-retinal fibrosis is Macular Proliferative Vitreoretinopathy (PVR) rather than Epiretinal Membrane (ERM) - A case series

16:16
AC

Hamzah Aweidah (1), Samer Khateb (1), Shahar Frenkel (1), Tareq Jaouni (1)
(1) *Department of Ophthalmology, Hadassah-Hebrew University Medical Center, Jerusalem, Israel*

116 DYOP Dynamic Visual Acuity Compared with Static LogMAR Visual Acuity

15:52
AC

Wolf Nadav[1], Wunch Inbar[1], Einat Shneur[1], Dinah Paritzky[1], Gantz Liat[1]
[1]*Department of Optometry and Vision Science, Hadassah Academic College, Jerusalem, Israel*

118 Optical Quality And Tear film Change After Reading Electronic Article

16:25

Emmanuel bettach (1) Avi Shoshani (1), Adi Abulafia (1), David Zadok (1), David Smadja (1)
(1) ophthalmology, Shaare Zedek, Jerusalem

119 Low dose atropine as an isolated or as a combination therapy effectively reduces myopia progression

16:28

AC

Achia (1)*, Nir Erdinest(2)*, Naomi London(3), Yair Morad(2)
(1) Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel (2) The Myopia center, Rishon LeZion, Israel (3) private practice, Jerusalem, Israel

120 Treatment results of a novel surgical technique for treating eyelid tumors

16:31

AC

Ayan Galbinur, Jacob Pe'er, Shahar Frenkel
Division of Ophthalmology, Hadassah-Hebrew University Medical Center

121 The neural basis of working memory load and emotional expression recognition

16:22

AC

Esty Maxim¹, Geula Twito¹, Ravid Doron¹, Einat Shneur¹, and Noa Zeharia¹
(1) Department of Optometry and Vision Science, Hadassah Academic Collage, Jerusalem, Israel

122 The Importance of vision acuity test, for subjects Older than 40 years for renewal driving license

16:19

AC

Osnat Boruhov, Tehila Samucha, Ravid Doron, Einat Shneur and Yael Fine
Department of Optometry and Vision Science, Hadassah Academic Collage, Jerusalem, Israel.

123 Gadolinium retention in mouse organs following intraperitoneal administration

16:34

AC

Alon Zahavi (1,2,3), Yoav Vardizer (4), Olga Girshevitz (5), Hila Kreizman-Shefer (6), Jacob Bajar (6), Dror Fixler (5), Nitza Goldenberg-Cohen (3,5,7)

(1) Department of Ophthalmology, Rabin Medical Center, Petach Tikva, Israel (2) Sackler School of Medicine, Tel Aviv University, Tel Aviv, Israel (3) Krieger Eye Research Laboratory, FMRC, Petach Tikva, Israel (4) Department of Ophthalmology, Bnai-Zion Medical Center, Haifa, Israel (5) Faculty of Engineering and Institute of Nanotechnology, Bar-Ilan University, Ramat Gan, Israel (6) Pathology Department, Bnai-Zion Medical Center, Haifa, Israel (7) Technion Institute of Technology, Haifa, Israel

16:37 **Discussion**

Concluding remarks

16:45 – 17:00

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