

April 25th - 27th, 2013 | Dan Caesarea Hotel Scientific Programme

Organizing Committee

Dr. Eliezer Golan, President, ISNH. Meir Medical Center, Kfar Saba

Dr. Talia Weinstein, Vice-President, ISNH. Sourasky Medical Center, Tel Aviv

Scientific Committee

Dr. Suheir Assady, Chairperson, Rambam Health Care Campus, Haifa

Dr. Talia Weinstein, Sourasky Medical Center, Tel Aviv

Dr. Sydney Benchetrit, Meir Medical Center, Kfar Saba







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Day 1 - Thursday, April 25th, 2013

12:30 - 13:30 Reception, Exhibition & Lunch

13:30 - 13:50 **Session 1**

13:30 - 13:40 Greetings & Opening Remarks

Dr. Suheir Assady, Dr. Eliezer Golan

13:40 - 13:50 ISNH RENAL REGISTRY (IRR) - Annual Report

Dr. Eliezer Golan

13:50 - 15:15 **Session 2**

Chairs: Dr. Gabriel Mordochovic, Dr. David Tovbin

13:50 - 14:50 Free Communications- Dialysis and Hypertension

13:50 PERCUTANEOUS RENAL REVASCULARIZATION: A LONG TERM FOLLOW- UP OF 155 PROCEDURES

Daniel Kushnir¹, Jeri Marcusohn¹, Alon Antebi¹, Rima Sukhotnik¹, and <u>Victor Frajewicki</u>¹.

¹Department of Nephrology and Hypertension, Carmel Medical Center, Haifa.

14:00 PAIN MANAGEMENT IN PATIENTS WITH ADVANCED CHRONIC KIDNEY DISEASE: RESULTS OF ONE CENTER EXPERIENCE

<u>Isabelle Haggiag</u>^{1,2}, Yael Einbinder¹, Jacques Bernheim ^{1,2} and Sydney Benchetrit^{1,2}.
¹Department of Nephrology and Hypertension, Meir Medical Center, Kfar Saba;
²Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv.

14:10 RISK MANAGEMENT AND QUALITY CONTROL PARAMETERS IN ONE HEMODIALYSIS CENTER: A CLINICAL AND PATIENT CARE ATTITUDE

<u>Ze'ev Katzir</u>¹, Olga Shmain-Naidanov², Relu Cernas¹, Zvi Barnea¹, Alexander Biro¹, and Mona Boaz³.

¹Institute of Nephrology; ²Radiology Department; ³Epidemiology Unit, E. Wolfson Medical Center, Holon.

14:20 EFFECT OF UPPER EXTREMITY ARTERIOVENOUS HEMODIALYSIS SHUNT ON CARDIAC RISK IN PATIENTS HAVING CORONARY BYPASS USING INTERNAL THORACIC ARTERY

<u>Leonid Feldman</u>^{1,2}, Inna Tkacheva¹, Igor Rabin^{1,2}, Ilia Beberashvili^{1,2}, Michal Shani^{2,3}, and Zhan Averbukh^{1,2}.

¹Nephrology Department, Assaf Harofeh Medical Center, Zerifin; ²Sackler School of Medicine, Tel-Aviv University, Tel Aviv; ³Department of Family Medicine, Clalit Health Services, Rishon Le Zion.



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14:30 LOW SERUM CONCENTRATION OF OBESTATIN AS A PREDICTOR OF MORTALITY IN MAINTENANCE HEMODIALYSIS PATIENTS

<u>Ilia Beberashvili</u>^{1, 2}, Inna Sinuani³, Ada Azar⁴, Hadas Kadoshi⁴, Gregory Shapiro¹, Leonid Feldman^{1, 2}, Judit Sandbank^{2,3}, and Zhan Averbukh^{1,2}.

¹Nephrology Department, Assaf Harofeh Medical Center, Zerifin; ²Sackler School of Medicine, Tel-Aviv University, Tel Aviv; ³Pathology Department, Assaf Harofeh Medical Center, Zerifin; ⁴Nutrition Department, Assaf Harofeh Medical Center, Zerifin.

14:40 AGE-STRATIFIED SURVIVAL AMONG DIALYSIS PATIENT IN THE JERUSALEM AREA

<u>Reut Zaguri</u>¹, Yulia Himelraikh², Yosef S. Haviv^{1,4}, and Matan J Cohen^{3,4}.

¹Nephrology and Hypertension Services; ²Hebrew University Medical School, ³Center for Quality Assurance, Hadassah-Hebrew University Medical Center, Jerusalem, ⁴MONDO-monitoring dialysis outcome network.

14:55 - 15:10 ADOLESCENCE RISK MARKERS FOR ADULTHOOD ESKD

Dr. Asaf Vivante

Department of Pediatrics, the Edmond and Lily Safra Children's Hospital, and Sheba Medical Center, Tel Hashomer.

15:10 - 15:15 **Q&A**

15:15 - 15:45 Coffee break & Exhibition

15:45 - 16:55 **Session 3**

Chairs: Prof. Avry Chagnac, Prof. Dvora Rubinger

15:45 - 16:30 Free Communications- Obesity and Diabetes

15:45 ACETAZOLAMIDE REDUCES GLOMERULAR HYPERFILTRATION AND RENAL PLASMA FLOW IN OBESE SUBJECTS: A RANDOMIZED CONTROLLED TRIAL

Boris Zingerman¹, Arie Erman^{1,2}, Sarit Bar Sheshet Itach¹, Yaacov Ori^{1,2}, Michal Herman-Edelstein^{1,2}, Uzi Gafter^{1,2}, and Avry Chagnac^{1,2}.

¹Nephrology, Rabin Medical Center; ²Sackler School of Medicine, Tel Aviv University,

Tel Aviv.

15:55 ROLE OF BILE-ACID-ACTIVATED RECEPTORS: TGR5 AND FARNESOID X RECEPTOR IN HUMAN DIABETIC NEPHROPATHY

<u>Michal Herman-Edelstein</u>¹, Pnina Scherzer², Ana Tobar³, Moshe Levi⁴, and Uzi Gafter¹.

¹Felsenstein Medical Research Center and Department of Nephrology, Rabin Medical Center, Sackler School of Medicine, Tel-Aviv University, Tel Aviv; ²Department of Nephrology, Hadassah Medical Center, and Jerusalem College of Engineering, Department of Pharmaceutical Engineering, Jerusalem; ³Department of Pathology, Rabin Medical Center, Sackler School of Medicine Tel-Aviv University, Tel Aviv; ⁴Department of Medicine, Division of Renal Diseases and Hypertension, University of Colorado, Aurora, CO, and VA Medical Center, Denver, CO, USA.



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16:05 EFFECT OF VITAMIN D ON MICRORNAS IN ENDOTHELIAL CELLS EXPOSED TO A DIABETIC ENVIRONMENT

<u>Tali Zitman-Gal</u>¹, Eliezer Golan^{1,3}, Janice Green¹, Metsada Pasmanik-Chor², Jacques Bernheim, and Sydney Benchetrit^{1,3}.

¹ Renal Physiology Laboratory, Department of Nephrology and Hypertension, Meir Medical Center, Kfar Saba; ²Bioinformatics Unit, The G. S. Wise Faculty of Life Sciences, Tel Aviv University; ³Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv.

16:15 SILYBIN PREVENTS HIGH-GLUCOSE SUPEROXIDE GENERATION AND PODOCYTES APOPTOSIS, BOTH IN VITRO AND IN VIVO

<u>Khaled Khazim</u>¹, Yves Gorin², Hanna E. Abboud², and Paolo Fanti².

¹Division of Nephrology, Western Galilee Hospital, Nahariya; ²Division of Nephrology, University of Texas Health Science Center at San Antonio, San Antonio TX, USA.

16:30 - 16:55 DIABETIC NEPHROPATHY-PRESENT AND FUTURE

Prof. Yoram Yagil

Head, Department of Nephrology and Hypertension, Barzilai Medical Center, Ashkelon; Head, Laboratory for Molecular Medicine and Israeli Rat Genome Center, Clara and Alejandro Stransky Chair in Nephrology, Faculty of Health Sciences, Ben-Gurion University.

16:55 - 17:00 **Q&A**

17:00 - 17:30 Coffee break & Exhibition

17:30 - 18:40 Session 4 - The German-Israeli Session

Chairs: Dr. Itzchak Slotki, Prof. Doron Schwartz

17:30 - 18:00 D+HUS AND AHUS: SIMILAR BUT DIFFERENT

Prof. Jan Menne

Consultant Nephrologist, Head of the Study Unit in the Department of Nephrology and Hypertension, Hannover Medical School (MHH), Germany.

18:00 - 18:05 **Q&A**

18:05 - 18:35 NEW ASPECTS OF ACUTE KIDNEY INJURY PREVENTION

Prof. Carsten Willam

Consultant for Nephrology and Intensive Care Medicine, Universitätsklinikum Erlangen; University of Erlangen, Germany.

18:35 - 18:40 Q&A



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18:40 - 19:10 **Session 5**

Chairs: Dr. Suheir Assady, Prof. Ze'ev Korzets

Free Communications- AKI

18:40 PHOSPHODIESTERASE-5 INHIBITION PROTECTS AGAINST ISCHEMIA-REPERFUSION-INDUCED ACUTE KIDNEY INJURY

Zaid Abassi¹, Rima Sohotnik², Omri Nativ³, Victor Frajewicki², Zaher Armaly⁴, Samuel Heyman⁵, Hoda Awad¹, and Ofer Nativ³.

¹Department of Physiology & Biophysics, Rappaport Faculty of Medicine, Technion and Rambam Medical Center; ²Department of Nephrology, Carmel Medical Center; ³Department of Urology, Bnai-Zion Hospital, Haifa; ⁴Department of Nephrology, Nazareth Hospital-EMMS, Nazareth; ⁵Department of Medicine, Hadassah Hebrew University Hospital, Jerusalem.

18:50 HYPERGLYCEMIA, INFLAMMATION, RAS ACTIVATION: THREE CULPRITS TO BLAME FOR ACUTE KIDNEY INJURY EMERGING IN HEALTHY RATS DURING GENERAL ANESTHESIA

<u>Shai Efrati</u>, Sylvia Berman, Ramzia Abu Hamad, Ranin El Nakib, Chanimov Michael, Yariv Siman-Tov, Zhan Averbukh, and Joshua Weissgarten.

Nephrology Division, Research & Development Unit, Assaf Harofeh Medical Center, Zerifin; Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv.

19:00 NEUTROPHIL GELATINASE-ASSOCIATED LIPOCALIN (NGAL) IN A TRIPHASIC MODEL OF KIDNEY INJURY INDUCED BY ADENINE IN THE RAT

Amnon Gil¹, Vera Brod², Hoda Awad³, Zaid Abassi³, and Victor Frajewicki¹.

¹ Department of Nephrology and Hypertension, Carmel Medical Center, Haifa;

²Ischemia- Shock Research Laboratory, Carmel Medical Center, Haifa;

³Department of Physiology and Biophysics, Rappaport Faculty of Medicine, Haifa.

19:30 - 21:00 Dinner

21:15 - 22:15 Session 6 - THE PRICE OF ALTRUISM

Prof. Oren Harman
Chair of the Graduate Program in Science, Technology and Society,
Bar Ilan University.



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Day 2 - Friday, April 26th, 2013

08:30 - 09:25 **Session 7**

Chairs: Dr. Michal Dranitzki Elhalel, Prof. Amos Douvdevani

08:30 - 08:50 Free Communications- Transplantation

08:30 ON CYCLOSPORINE, RENAL HYPOXIA AND ENDOTHELIN CONVERTING ENZYME (ECE)-1

Mogher Khamaisi¹, Christian Rosenberger², Hala Toukan¹, Ahuva Shina³, Galina Skarjinski³, Jonathan Axelrod³, Rinat Abramowitz³, Zohar Millman³, Seymour Rosen⁴, Imari Mimura⁵, Masaomi Nangaku⁵, and <u>Samuel N Heyman</u>³.

¹ Rambam Hospital and Rapapport Technion Medical School, Haifa; 2Charite, Berlin; ³Hadassah Hebrew university Hospitals, Jerusalem; ⁴Beth Israel Deaconess Hospital and Harvard Medical School, Boston; ⁵Tokyo University Hospital, Tokyo.

08:40 ADENOSINE A1 RECEPTOR PRECONDITIONING INDUCE IMMUNOSUPPRESSION AND TREG DEVELOPMENT

Oshri Naamani¹, Cidio Chaimovitz², Moshe Zlotnik, and Amos Douvdevani^{1,2}.

¹Department of Clinical Biochemistry and Pharmacology; ²Department of Nephrology, Soroka University Medical Center and Ben-Gurion University of the Negev, Beer-Sheva.

08:50 EXPANDED CRITERIA DONORS FOR KIDNEY TRANSPLANTATION

Dr. Ayelet Grupper

Department of Nephrology, Sourasky Medical Center, Tel Aviv.

09:00 - 09:20 KIDNEY TRANSPLANTATION IN ISRAEL- 2013

Dr. Michal Dranitzki Elhalel

Head, Nephrology and Hypertension Services, Hadassah-Hebrew University Medical Center, Jerusalem.

09:20 - 09:25 Q&A

09:25 - 11:10 Session 8

Chairs: Prof. Karl Skorecki, Dr. Talia Weinstein

09:25 - 09:35 IN TRIBUTE TO THE MEMORY OF Prof. Joshua Weissgarten

Prof. Zhan Averbukh

Department of Nephrology, Assaf Harofeh Medical Center, Zerifin.

09:35 - 10:05 UPDATE ON NEW SOLUTIONS FOR PERITONEAL DIALYSIS: IT'S NOT TIME TO PARTY YET

Prof. Joanne Bargman

President, International Society of Peritoneal Dialysis

Director of Peritoneal Dialysis for the University Health Network; Professor of

Medicine, University of Toronto, Canada.



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10:10 - 10:40 APPROACH TO TECHNICAL PROBLEMS IN PERITONEAL DIALYSIS Prof. Joanne Bargman

10:40-10:45 O&A

10:45 - 11:05 RESISTANT HYPERTENSION: CAROTIS BARORECEPTOR ACTIVATION AS A NEW TOOL

Prof. Jan Menne

Consultant Nephrologist, Head of the Study Unit in the Department of Nephrology and Hypertension, Hannover Medical School (MHH), Germany.

11:05 - 11:10 Q&A

11:10 - 11:40 Coffee break & Exhibition

11:40 - 13:20 Session 9

Chairs: Dr. Sydney Benchetrit, Prof. Jayson Rapoport

11:40 - 12:00 CORIN: A NEW PLAYER IN THE PATHOGENESIS OF SALT AND WATER RETENSION CHARACTERIZING EDEMATOUS DISEASES

Prof. Zaid Abassi

Department of Physiology, Faculty of Medicine, Technion and Rambam Medical Center.

12:00 - 12:05 O&A

12:05 - 13:20 Free Communications: CKD

12:05 PARATHYROID PROLIFERATION IS REGULATED BY THE MTOR PATHWAY IN SECONDARY HYPERPARATHYROIDISM DUE TO HYPOCALCEMIA OR CKD

 $\underline{Oded\ Volovelsky}^{1,2}, Gili\ Cohen^1, Gilad\ Wasserman^1, Tomer\ Meir^1, Justin\ Silver^1, and Tally\ Naveh-Many^1.$

¹Minerva Center for Calcium and Bone Metabolism, ²Pediatric Department Hadassah-Hebrew University Medical Center, Jerusalem.

12:15 THE ROLE OF LOCAL BONE VASCULARIZATION AND PARACRINE FACTORS IN CHRONIC KIDNEY DISEASE (CKD) RELATED GROWTH RETARDATION

<u>Daniel Landau</u>^{1,2}, Ariel Troib², Leonid Katchko³, Jill Helms⁴, Ralph Rabkin⁵ and Yael Segev².

Depts. of Pediatrics¹ and Pathology³, Soroka Medical Center. Dept. of Microbiology and Immunology², Ben Gurion University, Beer Sheva, Depts. of Surgery⁴ and Medicine⁵, Stanford University, California, USA.

12:25 INVOLVEMENT OF HEPARANASE IN THE PATHOGENESIS OF GLOMERULAR DISEASES

Suheir Assady^{1,2}, Joel Alter¹, Michael Litvak¹, Neta Ilan², Israel Vlodavsky², and Zaid Abassi^{1,2}.

¹Rambam Health Care Campus, and ²Rappaport Faculty of Medicine, Technion, Haifa.



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12:35 THE EFFECT OF ALBUMIN OXIDATION ON THE ONCOTIC PRESSURE IN CHRONIC KIDNEY DISEASE

Regina Michelis¹, Shifra Sela^{1,3}, Teuta Zeitun², Ronit Geron^{2,3}, and Batya Kristal^{2,3}. ¹Eliachar Research Laboratory and ²Nephrology Department, Western Galilee Hospital, Nahariya, Israel; ³Faculty of Medicine in the Galilee, Bar Ilan University, Safed.

12:45 MICRORNA AS POTENTIAL BIOMARKERS IN AUTOSOMAL DOMINANT POLYCYSTIC KIDNEY DISEASE

<u>Iddo Z. Ben-Dov</u>^{1,2}, Ying-Cai Tan³, Pavel Morozov², Patricia D. Wilson⁴, Hanna Rennert³, Jon D. Blumenfeld⁵, and Thomas Tuschl².

¹Nephrology and Hypertension Services, Hadassah – Hebrew University Medical Center, Jerusalem, ²Howard Hughes Medical Institute, Laboratory of RNA Molecular Biology, The Rockefeller University, New York, NY, ³Molecular Pathology Laboratory at the New York Presbyterian Hospital and Pathology and Laboratory Medicine at Weill Medical College of Cornell University, New York, NY, ⁴Centre for Nephrology, University College London Medical School, London, ⁵Rogosin Institute and Weill Medical College of Cornell University, New York, NY.

12:55 THE GENETIC EVALUATION OF ELEVEN ISRAELI FAMILIES WITH ALPORT SYNDROME

<u>Idit Maya</u> ¹, Lina Basel-Vanagaite^{1,2,3,4}, Bela Davidov¹, Doron Behar⁵, Irit Krause^{2,6}, Einat Lahav⁶, Meital Keidar⁶, Amit Dagan⁶, Hadas Alefanderi⁶, Asher Korzets^{2,7}, Miriam Davidovits^{2,6}, Uzi Gafter^{2,7}, and Mordechay Shohat^{1,2}.

¹The Raphael Recanati Genetic Institute, Rabin Medical Center, Petah Tikva; ²The Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv; ³Pediatric Genetics, Schneider Children's Medical Center of Israel, Petah Tikva; ⁴Felsenstein Medical Research Center, Rabin Medical Center, Petah Tikva; ⁵Rambam Medical Center, Haifa; ⁶Nephrology Department, Schneider Childrens Medical Center of Israel, Petah Tikva; ⁷Nephrology Department, Hasharon Hospital, Rabin Medical Center, Petah Tikva.

13:10 NURR1 ACTIVATION BY PTH INCREASES FGF23 EXPRESSION IN VITRO AND IN VIVO, AND THIS IS PREVENTED BY A CALCIMIMETIC IN UREMIC RATS

<u>Tomer Meir</u>, Oded Volovelsky, Gili Cohen, Karina Durlacher, Tally Naveh-Many and Justin Silver.

Nephrology, Hadassah Hebrew University Medical Center, Jerusalem

13:20 - 14:30 Lunch

14:30 - 16:00 Session 10

Chairs: Dr. Victor Frajewicki, Prof. Batya Kristal

14:30 - 14:50 THE WONDERFUL TALE OF UNCOVERING THE MOLECULAR BASIS OF SPORADIC AND FAMILIAL PRIMARY HYPERALDOSTERONISM

Prof. Eli J. Holtzman

Director of Nephrology and Hypertension Institute, Sheba Medical Center, Tel-Hashomer.



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14:55 - 15:25 Debate I: IS IT TIME TO SWITCH TO ON-LINE HEMODIAFILTRATION?

Pro:

Dr. Gai Milo

Department of Nephrology, Belinson Hospital, Rabin Medical Center, Petah Tikva.

Con:

Dr. Gil Chernin

Department of Nephrology, Sourasky Medical Center, Tel Aviv.

15:25 - 16:00 Debate II: DOES AKI TRULY LEAD TO CKD?

Prof. Ze'ev Korzets

Department of Nephrology and Hypertension, Meir Medical Center, Kfar Saba

vs.

Prof. Asher Korzets

Department of Nephrology, Hasharon Hospital, Rabin Medical Center, Petah Tikva.

16:00 - 17:00 **Session 11** - **General Assembly**

Day 3 - Saturday April 27th, 2013

10:30 - 12:30 Session 12

Chairs: Dr. Eliezer Golan, Prof. Yoram Yagil

THE FUTURE OF NEPHROLOGY RESEARCH IN ISRAEL

DIALYSIS WATER - QUALITY AND SAFETY ISSUES

12:30 **ADJOURN**