The 49th Conference of the Israeli Society of Nephrology and Hypertension
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
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 Victor Frajewicki¹.
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
Isabelle Haggiag¹,², Yael Einbinder¹, Jacques Bernheim¹,² and Sydney Benchetrit¹,².
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
Ze’ev Katzir¹, 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
Leonid Feldman¹,², Inna Tkacheva¹, Igor Rabin¹,², Ilia Beberashvili¹,², Michal Shani²,³, and Zhan Averbukh¹,².
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.
14:30 LOW SERUM CONCENTRATION OF OBESTATIN AS A PREDICTOR OF MORTALITY IN MAINTENANCE HEMODIALYSIS PATIENTS
Ilia Beberashvili1, 2, Inna Sinuani3, Ada Azar4, Hadas Kadoshi4, Gregory Shapiro1, Leonid Feldman1, 2, Judit Sandbank2,3, and Zhan Averbukh1,2.
Nephrology 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
Reut Zaguri1, Yulia Himelraikh2, Yosef S. Haviv1,4, and Matan J Cohen3,4.
Nephrology 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 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 Erman1,2, Sarit Bar Sheshet Itach1, Yaacov Ori1,2, Michal Herman-Edelstein1,2, Uzi Gafter1,2, and Avry Chagnac1,2.
Nephrology, 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
Michal Herman-Edelstein1, Pnina Scherzer2, Ana Tobar3, Moshe Levi4, and Uzi Gafter1.
Felsenstein 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.
16:05 EFFECT OF VITAMIN D ON MICRO-RNAS IN ENDOTHELIAL CELLS EXPOSED TO A DIABETIC ENVIRONMENT
Tali Zitman-Gal1, Eliezer Golan1,3, Janice Green1, Metsada Pasmanik-Chor2, Jacques Bernheim, and Sydney Benchetrit1,3.
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
Khaled Khazim1, Yves Gorin2, Hanna E. Abboud2, and Paolo Fanti2.
1 Division of Nephrology, Western Galilee Hospital, Nahariya; 2 Division 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
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  
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.
Day 2 - Friday, April 26th, 2013

08:30 - 09:25 **Session 7**
Chairs: Dr. Michal Dranitzki Elhalel, Prof. Amos Douvdevani

08:30 - 09:25 **Free Communications - Transplantation**

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

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 Douvdevani1,2.

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.

10:05 - 10:10 **Q&A**
10:10 - 10:40 **APPROACH TO TECHNICAL PROBLEMS IN PERITONEAL DIALYSIS**  
Prof. Joanne Bargman

10:40-10:45 **Q&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 RETENTION CHARACTERIZING EDEMATOUS DISEASES**  
Prof. Zaid Abassi  
Department of Physiology, Faculty of Medicine, Technion and Rambam Medical Center.

12:00 - 12:05 **Q&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**  
Oded Volovelsky\(^1,2\), Gili Cohen\(^1\), Gilad Wasserman\(^1\), Tomer Meir\(^1\), Justin Silver\(^1\), and Tally Naveh-Man\(^1\).  
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**  
Daniel Landau\(^1,2\), Ariel Troib\(^2\), Leonid Katchko\(^3\), Jill Helms\(^4\), Ralph Rabkin\(^5\) and Yael Segev\(^2\).  
Depts. of Pediatrics\(^1\) and Pathology\(^3\), Soroka Medical Center. Dept. of Microbiology and Immunology\(^2\), Ben Gurion University, Beer Sheva. Depts. of Surgery\(^4\) and Medicine\(^5\), Stanford University, California, USA.

12:25 **IN Volvement Of heparanase In the Pathogenesis Of Glomerular Diseases**  
Suheir Assady\(^1,2\), Joel Alter\(^1\), Michael Litvak\(^1\), Neta Ilan\(^2\), Israel Vlodavsky\(^2\), and Zaid Abassi\(^1,2\).  
1Rambam Health Care Campus, and 2Rappaport Faculty of Medicine, Technion, Haifa.
12:35 **THE EFFECT OF ALBUMIN OXIDATION ON THE ONCOTIC PRESSURE IN CHRONIC KIDNEY DISEASE**  
Regina Michelis¹, Shifra Sela¹,3, Teuta Zeitun², Ronit Geron²,3, and Batya Kristal²,3.  
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**  
Iddo Z. Ben-Dov¹,², 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**  
Idit Maya¹, Lina Basel-Vanagaite¹,²,³,⁴, Bela Davidov¹, Doron Behar⁵, Irit Krause²,⁶, Einat Lahav⁶, Meital Keidar⁶, Amit Dagan⁶, Hadas Alefanderi⁶, Asher Korzets²,⁷, Miriam Davidovits²,⁶, Uzi Gafter²,⁷, and Mordechay Shohat¹,².  
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**  
Tomer Meir, 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.
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**