



33rd Annual Conference of the Israeli Society of Pediatric Hematology Oncology (ISPHO)

Cassia Hotel Jerusalem

June 22–24, 2023



FELLOWS' EDUCATIONAL SESSION

Thursday, June 22, 2023

09:00 Precision Oncology in Practice

Daniel Morgenstern

Solid Tumor Section, Hematology Oncology, Hospital for Sick Children, Toronto, Canada

09:40 Imaging, Biology Biomarkers and Other Developments in Rhabdomyosarcoma

Hans Merks

Pediatric Oncology, Princess Maxima Center, Utrecht, Netherlands

10:20 *Short Coffee Break*

10:40 TBA

Alan J. Warren

Hematology Dept., School of Clinical Medicine, University of Cambridge, UK

11:20 Strategies in Management of Children with Sickle Cell Disease

Julie Kanter

UAB Adult Sickle Cell Clinic, Division of Hematology Oncology, University of Alabama, Birmingham, USA



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SCIENTIFIC PROGRAM

Thursday, June 22, 2023

12:45 Gathering, Registration, Poster Viewing, Visit the Exhibition and Light Lunch - Exhibition Area

13:00 WELCOME GREETINGS
Dr. Shifra Ash, ISPHO Chair

13:05 - 14:35 Session I - Oncology

Chair: Ronit Elhasid, Israel

- 13:05 **Lecture sponsored by MSD**
Options and Management for Pediatric Hodgkin Lymphoma
Gil Gilad
Rina Zaizov Division of Pediatric Hematology Oncology ,Schneider Children's Medical Center of Israel, Petach-Tiqva, Israel
- 13:20 **Lecture sponsored by Rhenium Oncotest**
Comprehensive Genomic Profiling for Management of Pediatric and Young Adult Sarcomas
Iris Kventsel
Pediatric Hemato-Oncology Division, Sheba Medical Center, Ramat Gan, Israel
- 13:35 **Lecture sponsored by AstraZeneca**
Incorporating MEK Inhibitors in to NF Treatment Paradigm
Orli Michaeli
Rina Zaizov Division of Pediatric Hematology Oncology, Schneider Children's Medical Center of Israel, Petach-Tiqva, Israel
- 13:50 **Lecture sponsored by Novartis**
BRAF and MEK Inhibitors in Pediatric Glioma and Ameloblastoma - The Sheba Experience
Gadi Abebe Campino
Pediatric Hemato-Oncology Division, Sheba Medical Center, Ramat Gan, Israel



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SCIENTIFIC PROGRAM (Cont.)

Thursday, June 22, 2023 (Cont.)

13:05 - 14:35 Session I - Oncology (Cont.)

- 14:05 MicroRNA as Cell Death Regulator and Liquid Biopsy Marker in Pediatric GB
Ruty Shai
Hematology Oncology, Sheba Medical Center, Ramat Gan, Israel
- 14:20 Ethnic and Socioeconomic Disparities in Survival of Children and Adolescents with CNS Tumors in Southern Israel
Abed Abu-Quider
Hematology Oncology, Soroka Medical Center, Beer Sheva, Israel
- 14:35 *Short Coffee Break, Poster Viewing and Visit the Exhibition*

14:50 - 16:35 Session II - Oncology

Chairs: **Myriam Ben-Arush**, Israel
Shai Izraeli, Israel

- 14:50 **Keynote Lecture**
Update on the Results of the RMS 2005 and the Aims of the FAR RMS
Hans Merks
Pediatric Oncology, Princess Maxima Center, Utrecht, Netherlands
- 15:30 ERG - From Down Syndrome to Treatment of Leukemia
Shai Izraeli
Rina Zaizov Division of Pediatric Hematology Oncology, Schneider Children's Medical Center of Israel, Petach-Tiqva, Israel
- 15:45 Revaccination of Children with Acute Lymphoblastic Leukemia Following Completion of Chemotherapy
Gil Gilad
Rina Zaizov Division of Pediatric Hematology Oncology, Schneider Children's Medical Center of Israel, Petach-Tiqva, Israel
- 16:00 Rapid Fire - Poster Presentation - 4 min Each Presentation
- 16:35 *Coffee Break, Poster Viewing and Visit the Exhibition*



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SCIENTIFIC PROGRAM (Cont.) Thursday, June 22, 2023 (Cont.)

17:05 - 19:20

Session III - Hematology

Chairs: **Noa Mandel Shorer**, Israel
Hagit Miskin, Israel

17:05 **Keynote Lecture**

Neutropenia

Alan J. Warren

Hematology Dept., School of Clinical Medicine, University of Cambridge, UK

17:45 **Lecture sponsored by Sanofi**

Acquired Pediatric TTP: Learning from Adult's Experience:

Dorit Blickstein

Senior Hematologist, Thrombosis & Hemostasis, Shamir Medical Center, Zerifin, Israel

18:20 Genetic Background and Clinical Characteristics of Congenital Neutropenias in Israel
Orna Steinberg Shemer

Rina Zaizov Division of Pediatric Hematology Oncology, Schneider Children's Medical Center of Israel, Petach-Tiqva, Israel

18:35 Long Term Hematopoietic Dysfunction in Patients with Large-Scale Mitochondrial DNA Deletion Syndromes

Noa Greenberg-Kushnir

Pediatric Hemato-Oncology Division, Sheba Medical Center, Ramat Gan, Israel

18:50 RAS Pathway Mutations are the Driver of MDS in a Subset of Pediatric Patients
Asaf Yanir

BMT, Cell Processing Facility, Schneider, Petach-Tiqva, Israel

19:05 Increased Prevalence of Thromboembolic Events in Patients with Congenital Dyserythropoietic Anemia Type I

Mahdi Asleh^{1,2}

¹Pediatric Hematology Oncology, Soroka University Medical Center, Beer Sheva;

²Faculty of Medicine, Ben-Gurion University of the Negev, Beer Sheva, Israel

19:20 **End of Day's Sessions**



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SCIENTIFIC PROGRAM (Cont.)

Friday, June 23, 2023 (Cont.)

07:50 **ISPHO - Annual Report and New ISPHO Chair Enouncement**
New ISPHO Director Announcement

08:05 GREETING ISRAEL CANCER ASSOCIATION
Moshe Bar-Haim, Director General, Israel Cancer Association

08:10 - 10:05 Session IV - Neuroblastoma - *Sponsored by Takeda*

Chairs: **Shifra Ash**, Israel
Dalia Waldman, Israel

- 08:10 **Keynote Lecture**
New Therapeutic Approaches for Neuroblastoma
Daniel Morgenstern
Solid Tumor Section, Hematology Oncology, Hospital for Sick Children, Toronto, Canada
- 08:50 The Landscape of Persister Cells in High-Risk Neuroblastoma
Liron Grossmann
Pediatric Hemato-Oncology Division, Sheba Medical Center, Ramat Gan, Israel
- 09:05 Circulating Tumor DNA to Guide Targeted Therapy in Neuroblastoma
Esther Berko^{1,2}
¹Pediatric Hematology Oncology, Rina Zaizov Division of Pediatric Hematology Oncology, Schneider Children's Medical Center of Israel, Petach-Tiqva, Israel;
²Division of Oncology and Center for Childhood Cancer Research, Children's Hospital of Philadelphia, Philadelphia, PA, USA
- 09:20 The Influence of Irinotecan on CD47/PDL-1/GD-2 Expression in Neuroblastoma Cells
Tom Lapidos
Goldyne Savad Institute of Gene and Cell Therapy, Hadassah Hebrew University Hospital, Jerusalem, Israel
- 09:35 The Use of Anti GD2 Naxitamab in High Risk Neuroblastoma in Shaare Zedek Medical Center
Iris Fried
Hematology Oncology, Shaare Zedek Medical Center, Jerusalem, Israel



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SCIENTIFIC PROGRAM (Cont.)

Friday, June 23, 2023 (Cont.)

08:10 - 10:05 Session IV - Neuroblastoma (Cont.) - Sponsored by Takeda

09:50 **Lecture Sponsored by Medison**

Chemoimmunotherapy for Relapse/Refractory Neuroblastoma with Qarziba

Esther Berko^{1,2}

¹Pediatric Hematology Oncology, Rina Zaizov Division of Pediatric Hematology Oncology, Schneider Children's Medical Center of Israel, Petach-Tiqva, Israel;

²Division of Oncology and Center for Childhood Cancer Research, Children's Hospital of Philadelphia, Philadelphia, PA, USA

10:05 *Coffee Break, Poster Viewing and Visit the Exhibition*

10:35 - 11:45 Session V - Hematology

Chairs: **Jaon Joakobovich**, Israel
Carina Levin, Israel

10:35 **Keynote Lecture**

New Options in Therapeutics for Sickle Cell Disease

Julie Kanter

UAB Adult Sickle Cell Clinic, Division of Hematology Oncology, University of Alabama at Birmingham, USA

11:15 Hemoglobin S Polymerization and RBC Sickling Evaluation in Sickle Cell

Sari Peretz^{1,2,3}

¹Pediatric Hematology Unit and Research Laboratory, EMEK medical center, Afula;

²Clinical Laboratory Unit, EMEK medical center, Afula; ³The Ruth and Bruce Rappaport Faculty of Medicine, Technion-Israel Institute of Technology, Haifa, Israel

11:30 Flow Cytometric Osmotic Fragility Test for Hemoglobinopathies Carriers Screening

Carina Levin^{1,2}

¹Pediatric Hematology Unit and Research Laboratory, EMEK Medical Center, Afula;

²The Ruth and Bruce Rappaport Faculty of Medicine, Technion Israel Institute of Technology, Haifa, Israel

11:45 *Short Coffee Break*



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SCIENTIFIC PROGRAM (Cont.)

Friday, June 23, 2023 (Cont.)

12:00 - 14:00

Session VI - BMT

Chairs: **Toren Amos**, Israel
Gal Goldstein, Israel

12:00 **Keynote Lecture**

TBA

Rupert Handgretinger

Dept. of General Pediatrics, Pediatric Hematology Oncology, University Hospital Tuebingen, Germany

- 12:40 Haploidentical Stem-Cell Transplantation for Children with Acute Leukemia and Non-Malignant Disorders, Using AB+ T CELL /CD19+ B-cell Depletion, A Single Center Experience

Amos Toren^{1,2}

¹Pediatric Hemato-Oncology Division, Sheba Medical Center, Ramat Gan; ²Sackler Faculty of Medicine, Tel-Aviv University, Tel-Aviv, Israel

- 12:55 Mesenchymal Stem Cell Coupled with Hematopoietic Stem Cell Transplantation in Recessive Dystrophic Epidermolysis Bullosa (RDEB)

Ronit Elhasid

¹Pediatric Hematology Oncology, Dana Children's Hospital, Tel-Aviv Sourasky Medical Center, Tel-Aviv, Israel

- 13:10 TCR α / β + Depletion Using CliniMacs Prodigy vs CliniMacs Plus Systems: A Head to Head Comparison

Asaf Yanir

BMT, Cell Processing Facility, Schneider Children's Medical Center of Israel, Petach-Tiqva, Israel

- 13:25 Systemic Effects of Oral Budesonide Given for Gastrointestinal-Graft Versus Host Disease Treatment, in Children after Allogeneic Hematopoietic Stem Cell Transplantations

Aharon Gefen^{1,2}

¹Division of Pediatric Hematology, Oncology and Bone Marrow Transplants, Rambam Medical Center, Haifa; ²Faculty of Medicine, Technion - Israel Institute of Technology, Haifa, Israel



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SCIENTIFIC PROGRAM (Cont.) Friday, June 23, 2023 (Cont.)

12:00 - 14:00 Session VI - BMT (Cont.)

13:40 ***Sponsored lecture by Novartis***

Ruxolitinib for Graft Versus Host Disease in Children - Are we in a New Era?

Asaf Yanir

Rina Zaizov Division of Pediatric Hematology Oncology, Schneider Children's Medical Center of Israel, Petach-Tiqva, Israel

13:55 CONCLUDING REMARKS

Dr. Shifra Ash, ISPHO Chair



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POSTER PRESENTATIONS

Board no.

1. Comparison between Peripheral and Central Blood Cultures in Pediatric Oncology Patients with Bloodstream Infections
Mahdi Asleh^{1,2}
¹Faculty of Medicine, Ben Gurion University of the Negev, Beer Sheva; ²Pediatric Hematology Oncology, Soroka University Medical Center, Beer Sheva; Israel
2. The Role of Hydroxychloroquine in The Management of Children with ITP and Positive Antinuclear Antibodies
Dafna Brik Simon^{1,2}
¹Pediatric Hematology Oncology, Schneider Children's Medical Center, Petach-Tiqva; ²Sackler Faculty of Medicine, Tel-Aviv University, Tel-Aviv; Israel
3. Fulminant Liver and Renal Failure in a Child with Sickle Cell Disease on Deferasirox
Hila Dias-Polak
Pediatric Hematology Oncology, Ruth Rappaport Children's Hospital, Rambam Health Care Campus, Haifa; Israel
4. Low-Level Laser Therapy (LLLT) for Pediatric Oral Mucositis Induced by Chemotherapy
Dan Harlev
Pediatric Hematology Oncology, Hadassah University Medical Center, Jerusalem; ²Dept. of Oral Medicine - School of Dentistry, Hadassah University Medical Center, Jerusalem, Israel
5. Does Weight Loss Impair Response to Chemotherapy in Pediatric Patients with Osteosarcoma?
Yair Peled
Pediatric Hematology Oncology, Tel-Aviv Medical Center, Tel-Aviv, Israel
6. Incidence of Bevacizumab Associated Toxicity in Children with Low Grade Glioma with and without NF1
Alexander Yelak
Pediatric Hematology Oncology, Schneider Children's Medical Center, Petach-Tiqva; Israel



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POSTER PRESENTATIONS (Cont.)

Board no.

7. 18F-FDG-PET/CT in the Assessment of Bone Marrow Involvement in Pediatric Non-Hodgkin Lymphoma- A Single Center Experience
Maayan Siri¹, Hila Rosenfeld-Keidar¹, Rachel Shukrun¹, Mikhail Kesler², Ronit Elhasid¹
¹Pediatric Hematology Oncology, Dana Children's Hospital, Tel-Aviv Sourasky Medical Center, Tel-Aviv, Israel; ²Dept. of Nuclear Medicine, Tel-Aviv Sourasky Medical Center, Tel-Aviv, Israel