



ISPHO

**35th Annual Conference
of the Israeli Society of Pediatric
Hematology Oncology (ISPHO)**

May 22-24, 2025

Hagoshrim Hotel & Nature

FELLOWS' EDUCATIONAL SESSION

Thursday, May 22, 2025

- 10:30 Educational on T-cell ALL
Michelle L. Hermiston
Adjunct Professor of Pediatrics at Vin University in Hanoi, Vietnam,
Professor of Pediatrics at the University of California, San Francisco (UCSF), USA
- 11:00 The Transformation of Hemophilia and its Management
Manuel Carcao
Hematologist in the Division of Hematology/Oncology and Professor of
Pediatrics at the University of Toronto, Canada
- 11:30 Early Career Seminar - Professional Development
- 12:30 *End of Educational sessions*



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SCIENTIFIC PROGRAM

Thursday, May 22, 2025

12:45 Gathering, Registration and Visit the Exhibition

13:00 WELCOME GREETINGS

Dr. Joanne Yacobovich, ISPHO Chair

Mr. Moshe Bar-Haim, Director General of the Israel Cancer Association

13:15 - 14:35 Session I - Oncology

Chairs: **Adi Nitzan-Luques**, Israel

Myriam Ben Harush, Israel

13:15 Shallow Whole-Genome Nanopore Sequencing for Liquid Biopsy-Based Sarcoma Monitoring

Gal Goldstein

Pediatric Hemato-Oncology Dept., Hadassah University Hospital,
Lab for Liquid Biopsy at the Dept. of Pediatric Hemato-Oncology,
Hadassah, Jerusalem, Israel

13:30 Mifamurtide Adjuvant Therapy in Patients with Osteosarcoma - A Single Center Experience

Michal Manisterski¹, Netanya Kollender¹, Ronit Elhasid¹, Yair Peled¹,
Yair Gortzak², Dror Levin¹

¹Pediatric Hemato-Oncology Dept., ²Orthopedic - Oncology Dept.,
Tel Aviv Medical Center, Tel Aviv, Israel

13:45 Suggested Role for Neutrophil Extracellular Trap Formation in Ewing Sarcoma and Osteosarcoma Immune Microenvironment

Ronit Elhasid^{1,2,3}, Szilvia Baron^{1,3}, Yoav Binenbaum^{1,4}, Dror Levin^{2,3},
Osnat Sher^{3,5}, Michal Manisterski^{2,3}, Yair Peled^{2,3}, Yair Gortzak^{3,6},
Claudia Rössig⁷, Rachel Shukrun^{1,3}

¹Pediatric Hemato-Oncology Research Laboratory, Tel Aviv Medical Center,
Tel Aviv, Israel, ²Depr. of Pediatric Hemato-Oncology, Tel Aviv Medical Center,
Tel Aviv, Israel, ³Tel Aviv University, School of Medicine, Tel Aviv, Israel,
⁴Dana-Farber/Boston Children's Cancer and Blood Disorders Center, Boston,
MA, USA, ⁵Dept. of Pathology, Tel Aviv Medical Center, Tel Aviv, Israel,
⁶Pediatric Orthopedic Oncology Unit, National Unit of Orthopedic Oncology,
Tel Aviv Medical Center, Tel Aviv, Israel, ⁷University Children's Hospital Münster,
Pediatric Hematology and Oncology, Münster, Germany



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SCIENTIFIC PROGRAM (cont.)

Thursday, May 22, 2025 (cont.)

13:15 - 14:35 Session I - Oncology (cont.)

14:00 ***Invited Lecture - Sponsored by Astra Zeneca***

The Management of Mek Inhibitors in Pediatric Hematology Oncology

Helen Toledano

Hematology Oncology Division, Schneider Children's Medical Center,
Petach Tikva, Israel

14:20 Ocular Safety and Visual Acuity Stability in Pediatric Patients with Optic
Pathway Gliomas and Orbital Plexiform Neurofibromas Treated with BRAF
and MEK Inhibitors

Aviv Sever¹, Gad Dotan^{2,3}, Dafna Brik^{1,3}, Ariela Zaikin⁴, Helen Toledano^{1,3}

¹Dept. of Pediatric Hematology/Oncology, Schneider Children's Medical
Center, Petah Tikva, ²Ophthalmology Unit, Schneider Children's Medical
Center, Petah Tikva, ³Faculty of Medical and Health Sciences, Tel Aviv
University, Tel Aviv, ⁴Depr. of Pharmacy, Schneider Children's Medical Center,
Petah Tikva, Israel

14:35 *Coffee Break and Visit the Exhibition*

15:00 - 16:05 Session II - Hematology

Chairs: **Oded Gilad**, Israel

Hagit Miskin, Israel

15:00 ***Sponsored Lecture - Truemed***

HLH in Israel

Dafna Brik Simon

Hematology Oncology Division, Schneider Children's Medical Center of Israel,
Petach Tikva, Israel

15:20 Utility of Screening Tests to Diagnose Factor Deficiencies and Lupus
Anticoagulant

Harel Munish¹, Julia Abramovitz², **Shoshana Revel-Vilk**^{1,3}

¹School of Medicine, Hebrew University, Jerusalem, ²Laboratory Dept.,
Shaare Zedek Medical Center, Jerusalem, ³Pediatric Hematology/Oncology Unit,
Shaare Zedek Medical Center, Jerusalem, Israel



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SCIENTIFIC PROGRAM (cont.)

Thursday, May 22, 2025 (cont.)

15:00 - 16:05 Session II - Hematology (cont.)

- 15:35 Acute Mastoiditis-Associated Cerebral Sinus Venous Thrombosis in Children - A Retrospective Review
Tal Ben-Ami^{1,2}, Yael Sellam^{1,2}, Elchanan Zloczower^{2,3}, Maru Gete^{2,4}, Shoshana Revel-Vilk^{2,5}, Avigail Eisenberg-Wygoda^{1,2}, Gil Lahav^{2,3}, Yonatan Lahav^{2,3}, Alex Guri^{2,6}, Amit Nahum^{2,6}
¹Pediatric Hematology-Oncology Unit, Kaplan Medical Center, Rehovot,
²Faculty of Medicine, Hebrew University of Jerusalem, Jerusalem,
³Dept. of Otolaryngology Head and Neck Surgery, Kaplan Medical Center, Rehovot, ⁴Dept. of Otolaryngology Head and Neck Surgery, Shaare Zedek Medical Center, Jerusalem, ⁵Pediatric Hematology/Oncology Unit, The Eisenberg R&D Authority, Shaare Zedek Medical Center, Jerusalem, ⁶Dept. of Pediatrics, Kaplan Medical Center, Rehovot, Israel
- 15:50 Should Female Adolescents be Screened for Iron Deficiency Anemia? Insight from a Large-scale Population Study
Tal Ben-Ami^{1,2}
¹Pediatric Hematology-Oncology Unit, Kaplan Medical Center, Rehovot,
²Faculty of Medicine, Hebrew University of Jerusalem, Jerusalem, Israel

16:05 *Coffee Break and Visit the Exhibition*

16:40 - 18:30 Session III - Novel Diagnoses and Therapies

Chairs: **Ronit Elhasid**, Israel
Dani Raved, Israel

- 16:40 *Invited Lecture*
Vascular Lesions
Manuel Carcao
Hematologist in the Division of Hematology/Oncology and Professor of Pediatrics at the University of Toronto, Canada



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SCIENTIFIC PROGRAM (cont.)

Thursday, May 22, 2025 (cont.)

16:40 - 18:30 Session III - Novel Diagnoses and Therapies (cont.)

17:10 ***Sponsored Lecture - Medison***

New Therapies in ALL

Shai Izraeli

Hematology-Oncology Dept., Schneider Children's Medical Center,
Petach Tikva, Genetics, Tel Aviv University, Tel Aviv, Israel

17:40 Methylation Markers for Tracking Acute Lymphoblastic Leukemia in Bone Marrow and Plasma

Sigal Weinreb¹, Ori Fridlich Ilana Fox-Fisher², Gal Goldstein¹

¹Pediatric Hematology Oncology Dept., Hadassah Medical Center, Jerusalem,

²Dept. Developmental Biology and Cancer Research, The Hebrew University, Jerusalem, Israel

17:55 Systems Level Analysis of B-Cell Development Identified BDNF as a Driver for Human B Lymphopoiesis

Neta Nevo¹, Tim J. Few-Cooper¹, Ayelet Alpert¹, Neta Milman¹, Yuval Klein¹,
Doron Melamed² Shai S. Shen-Orr¹

¹Systems Immunology & Precision Medicine Lab, Dept. of Immunology,
Medicine Faculty, Technion, ²Developmental Immunology and Aging,
Dept. of Immunology, Medicine Faculty, Technion, Israel

18:10 The Value of Optical Genomic Mapping in the Standard Diagnostics of Childhood Acute Lymphoblastic Leukemia

Elad Jacoby^{1,2}, Vica Marcu-Malina^{1,2}, Shiran Leib^{1,2}, Michal Malki Golan^{1,2},
Bella Bielora^{1,2}

¹Division of Pediatric Hematology and Oncology, Edmond and Lily Safra Children's Hospital, Sheba Medical Center, ²Tel Aviv University, Israel

18:30 - 19:00 Session IV - ISPHO AGM report & Discussion

18:30 ISPHO AGM Report

Dr. Joanne Yacobovich

18:40 Discussion on future activities

19:00 End of day's sessions



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08:00 Gathering, Registration and Visit the Exhibition

08:10 - 10:40 Session V - Hematology & Transplant

Chairs: **Tsippi Korenfield**, Israel
Joanne Yacobovich, Israel

08:10 Belumosudil for Refractory Chronic GVHD in Children: A National Israeli Real-World Study

Etai Adam¹, Amit Dotan², Aviva Krauss², Daphna Hutt¹, Elad Jacoby¹,
Hila Rosenfeld-Keidar³, Aharon Gefen⁴, Ronit Elhasid³, Sarah Malkiel¹,
Amos Toren¹, Bella Bielora¹

¹Pediatric Hematology, Oncology, and Bone Marrow Transplant, Sheba Medical Center, ²Pediatric Hematology, Oncology, and Bone Marrow Transplant, Schneider Children's Hospital, ³Pediatric Hematology, Oncology, and Bone Marrow Transplant, Ichilov Medical Center, ⁴Pediatric Hematology, Oncology, and Bone Marrow Transplant, Rambam Medical Center, Israel

08:40 ***Sponsored Lecture - Sanofi***

Rezurock as an Advanced Treatment for cGvHD

Aviva Krauss

HSCT Unit, Dept. of Hematology-Oncology, Schneider Children's Medical Center of Israel, Petach Tikva, Israel

08:55 ***Invited Lecture***

HLH Update

Michelle L. Hermiston

Adjunct Professor of Pediatrics at Vin University in Hanoi, Vietnam, Professor of Pediatrics at the University of California, San Francisco (UCSF), USA

09:25 Granulocyte Transfusions in Pediatric Hemato-Oncology: A 10-Year Experience from a Tertiary Center

Aviv Sever¹, **Ron Rabinowicz**¹, Shlomit Barzilai-Birenboim¹, Salvador Fisher¹,
Ronit Goldman Levi², Assaf Yanir¹, Jerry Stein¹, Efraim Bilavsky³, Vered Yahalom²

¹Dept. of Pediatric Hematology/Oncology, Schneider Children's Medical Center,
²Blood Services & Apheresis Institute, Rabin Medical Center, ³Pediatric Infectious Disease Unit, Schneider Children's Medical Center, Israel



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SCIENTIFIC PROGRAM (cont.)

Friday, May 23, 2025 (cont.)

08:10 - 10:40

Session V - Hematology & Transplant (cont.)

- 09:40 Cell Free DNA Characterization in Plasma of Children with New Onset Thrombocytopenia
Ori Fridlich¹, Lisandro Luques², Dan Harlev³, **Gal Goldstein**^{1,3}
¹Center for Liquid biopsy at the Dept. of Pediatric-Hemato Oncology,
²Dept. of Pediatric-Surgery, ³Dept. of Pediatric-Hemato Oncology, Hadassah University Medical Center, Israel
- 09:55 How do I Diagnose Pediatric Patient's Skull Langerhans Cell Histiocytosis Lesions?
Anat Ilivitzki, Michal Scolnik, Dana Ashkenazi, Myriam Ben-Arush
Radiology, Rambam Health Care Campus, Haifa, Israel
- 10:20 **Sponsored Lecture - Takeda**
Treatment with ADZYNMA (Recombinant ADAMTS13) in cTTP-The Israeli Experience
Dan Harlev
Pediatric Hemato-Oncology Dept., Hadassah University Hospital, Jerusalem, Israel
- 10:40 *Coffee Break and Visit the Exhibition*

11:00 - 12:30

Session VI - Precision Medicine/Survivorship

Chairs: **Gadi Abebe Campino**, Israel
Liat Oren Malek, Israel

- 11:00 Precision Dosing in Pediatric Oncology: Lots of Tradition, Little Evidence
Razan Sakran^{1,2}, Dani Kurnik^{1,3},
¹Section of Clinical Pharmacology and Toxicology, Rambam Health Care Campus, Haifa, Israel, ²Dept. of Pharmacy, Uppsala University, Sweden
³Rappaport Faculty of Medicine, Technion, Haifa, Israel



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SCIENTIFIC PROGRAM (cont.)

Friday, May 23, 2025 (cont.)

11:00 - 12:30

Session VI - Precision Medicine/Survivorship (cont.)

- 11:20 Clinical Characteristics and Outcomes of Wilms Tumor in Infants: A 22-Year Retrospective Single Tertiary Center Study

Alon Barnea¹, Shira Amar², Esther Berko², Shifra Ash³, Aviv Sever²,
Orli Michaeli²

¹The Faculty of Medicine, Ariel University, ²Dept. of Pediatric Oncology, Schneider Children's Medical Center of Israel, ³Dept. of Pediatric Oncology, Rambam Medical Center, Haifa, Israel

- 11:35 Enhanced Early Detection of Infections in Febrile Pediatric Oncology Patients Using Infrared Spectroscopy and Machine Learning Integration

Yotam D. Eshel¹, Uraib Sharaha^{2,3}, Dima Bykhovsky⁴, Mahmoud Huleihel¹, Hagit Miskin³, Itshak Lapidot^{5,6}, Shaul Mordechai⁷, Joseph Kapelushnik³, Ahmad Salman⁸

¹Dept. of Microbiology, Immunology and Genetics, Faculty of Health Sciences, Ben-Gurion University of the Negev, Beer-Sheva, Israel, ²Dept. of Hematology and Oncology, Saban Pediatric Medical Center, Soroka University Medical Center and Faculty of Health Sciences, Beer-Sheva, Israel³, Dept. of Biology, Science and Technology College, Hebron University, Hebron, Palestine, ⁴Electrical and Electronics Engineering Dept., SCE-Sami Shamoon College of Engineering, Beer-Sheva, Israel, ⁵Dept. of Electrical and Electronics Engineering, Afeka Tel-Aviv Academic College of Engineering, Tel-Aviv, Israel, ⁶LIA, Avignon Université, Avignon, France, Dept. of Physics, Ben-Gurion University of the Negev, Beer-Sheva, Israel, ⁸Dept. of Physics, SCE-Sami Shamoon College of Engineering, Beer-Sheva, Israel

- 11:50 Survivors of Cancer in Childhood on Long Term Follow Up - A Single Center Experience 1996-2024

Monique Peretz-Nahum, Myriam Weyl-Ben Arush, Shifra Ash
Pediatric Hemato-Oncology Dept., Ruth Children Hospital, Rambam Health Care Center, Haifa, Israel



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SCIENTIFIC PROGRAM (cont.)

Friday, May 23, 2025 (cont.)

11:00 - 12:30 Session VI - Precision Medicine/Survivorship (cont.)

- 12:05 Assessment of The Effect of Treatment with Aminoglycosides on Hearing Impairment in Children with Oncological Diseases Treated with Platinum-Based Chemotherapy
Noor Wattad¹, Gal Goldestein¹, Gadi Kampino²
¹Pediatric Hemato-Oncology, Hadassah - Ein karem, Jerusalem, ²Pediatric Hemato-Oncology, Sheba Medical Center, Tal Hashomer, Ramat Gan, Israel
- 12:20 Clinical Recommendation Variability Among Israeli Pediatric Oncologists: Toward Unified, Culturally Adapted Guidelines for Infection Prevention and Multidisciplinary Care - Applying Insights from the SIOP-E Master Course
Dana Ashkenazi Lustig¹, **Adi Nitzan-Luques²**, Dan Raved³, Oz Mordechai¹
¹Pediatric Hematology and Oncology Dept., Rambam Health care Campus, Haifa, ²Pediatric Hematology and Oncology Dept., Hadassah, Hebrew University Medical Center, ³Pediatric Hematology and Oncology Dept., Sheba Medical Center at Tel HaShomer, Israel

12:35 - 13:15 Session VII - POSTER PRESENTATIONS

Chairs: **Tal Ben-Ami**, Israel
Carina Levin, Israel

POSTER PRESENTATIONS

- 12:35 Challenges in Managing a Child with Factor XI Deficiency and Leukemia: A Case Report
Sigal Weinreb, Gefen Bir
Pediatric Hematology Oncology Dept., Hadassah Medical Center, Jerusalem, Israel



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SCIENTIFIC PROGRAM (cont.)

Friday, May 23, 2025 (cont.)

12:35 - 13:15

Session VII - POSTER PRESENTATIONS (cont.)

- 12:40 Donor Cd45 Ra Depleted Cells for The Treatment of Severe Cryptosporidiosis Following Haploidentical HSCT
Rakefet Sidlik Muskatel^{1,2}, Aviva Krauss^{1,2}, Limor Horev-Azaria¹, Yakov Sverdlov¹, Michal Pearl-Yafe¹, Jerry Stein^{1,2}, Asaf David Yanir^{1,2}
¹Hematology-Oncology Division, Bone Marrow Transplantation and Cellular Therapy Unit, Schneider Children's Medical Center of Israel, Petach Tikva, ²Tel Aviv University, Tel Aviv, Israel
- 12:45 Combined Carboplatin and Trametinib for BRAF-Rearranged Low Grade Glioma
Smadar Laufer Geva^{1,2}, Gadi Abebe Campino^{1,2}, Michal Luria¹, Michal Yalon^{1,2}
¹Pediatric Hematology Oncology Dept., Edmond and Lily Safra Children's Hospital and Cancer Research Center, Sheba Medical Center, Ramat Gan, ²The Faculty of Medicine, Tel-Aviv University, Tel Aviv, Israel
- 12:50 Treatment of Langerhans Cell Histiocytosis Associated Neurodegenerative Disease with BRAF V600E Inhibitors: Presentation of Cases and Review of the Literature
Dana Ashkenazi Lustig¹, Adi Shapira¹, Mika Shapira², Ayelet Eran³, Yaniv Zohar^{4,5}, Diti Berger⁶, Nurit Gal Merk⁶, Sara Elitzur^{7,8}, Shifra Ash^{1,5}, Myriam Ben Arush^{1,5}
¹Pediatric Hematology-Oncology division, Rambam Health Care Campus, Haifa, Israel, ²Pediatric Radiology, Rambam Health Care Campus, Haifa, Israel, ³Radiology Dept., Rambam Health Care Campus, Haifa, Israel, ⁴Pathology Dept., Rambam Health Care Campus, Haifa, Israel, ⁵Technion, Faculty of Medicine, Haifa, Israel, ⁶Schneider Children's Medical Center, Petah Tikva, Israel, ⁷Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel, ⁸Dept. of Oncology, St. Jude Children's Research Hospital, Memphis, Tennessee, USA



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SCIENTIFIC PROGRAM (cont.)

Friday, May 23, 2025 (cont.)

12:35 - 13:15

Session VII - POSTER PRESENTATIONS (cont.)

- 12:55 Primary Cavernous Sinus Yolk Sac Tumor in a Young Child: Case Report and Review of Literature
Liat Oren Malek¹, Mika Shapira², Yonatan Roth³, Michal Raz⁴, Shifra Ash¹, Myriam Ben Arush¹
¹Pediatric Hematology Oncology Dept., Ruth Rapaport Children's Hospital, Rambam Medical Center, Haifa, ²Pediatric Radiology Dept., Ruth Rapaport Children's Hospital, Rambam Medical Center, Haifa, ³Pediatric Neurosurgery Dept., Sourasky Medical Center, Tel Aviv, ⁴Pathology Dept., Sourasky Medical Center, Tel Aviv, Israel
- 13:00 To Be but Not to Be - Insights from Patients with Leukocyte Adhesion Deficiency Type 3
Raizl Gruda-Sussman¹, Yogi Chopra², Walter Kahr³
Dept. of Hematology/Oncology, Ruth Rappaport Children's Hospital, Rambam Health Care Campus, Haifa, Israel, ²Dept. of Hematology, Oncology, Blood and Marrow Transplant and Cellular Therapy, The Hospital for Sick Children, University of Toronto, Toronto, ON, Canada, ³Cell Biology Program, Research Institute, Hospital for Sick Children, Toronto, Ontario, Canada; Dept. of Biochemistry, University of Toronto, Toronto, ON, Canada; Division of Haematology/Oncology, Dept. of Paediatrics, University of Toronto, The Hospital for Sick Children, Toronto, ON, Canada
- 13:05 Duffy Antigen Phenotyping for Diagnosis of Duffy Null-Associated Neutropenia
Hila Dias Polak¹, Raizl Gruda-Sussman¹, Lilach Bonstein^{2,3}, Noa Mandel-Shorer¹
¹Ruth Rappaport Children Hospital Rambam Health Care Campus, Dept. of Pediatric Hematology-Oncology, Haifa, ²Rambam Health Care Campus, Blood Bank, Haifa, ³Technion Israel Institution of Technology, The Bruce Rappaport Faculty of Medicine, Haifa, Israel
- 13:10 Concluding Remarks
Joanne Yacobovich, ISPHO Chair