

Deep Learning Model for Mammography-Based Breast Cancer Risk Prediction:

Towards a double paradigm shift in breast cancer screening

Friday | June 26, 2026

Peres Center for Peace and Innovation
132 Kedem St. Tel-Aviv Jaffa



Society of Breast Surgery
Israel Surgical Association



החברה לנירונות שד
באיגוד הישראלי לנירונות



קרן מחקר למימון מחקר
רפואה (ר"מ) ע"ר 588166387
Research Fund of the Medical
Association of Israel (R.F.M.A. 588166387)



08:00-08:45 Gathering and Registration

08:45-09:00 Welcome & Opening Remarks
Tanir Allweis, Hadassah Medical Center

09:00-09:30 Deep Learning Models for Assessing Risk of Breast Cancer
Regina Barzilay, School of Engineering, Distinguished Professor for AI and Health, MIT

09:30-10:00 AI for Screening - The Clalit Experience
Ran Balicer & Noa Dagan, Clalit Innovation & Ben Gurion University

10:00-10:20 The Radiologists Perspective
Michal Guindy, Assuta Medical Centers

10:20-11:00 Brunch

11:00-11:20 Limitations of Current Screening Program
Lital Keinan-Boker, Israel Center for Disease Control, Israel Ministry of Health & School of Public Health, University of Haifa

11:20-11:40 Patient Perspectives
TBD

11:40-12:10 Real-World Validation of MIRAI at Clalit Health Services: Preliminary Findings
Alina Vodonos & Rom Gutman, Clalit Innovation

12:10-12:30 Proactive Follow-up Approach for BRCA1/2 Carriers
Shay Ben-Shachar, Clalit Innovation & Clalit Health Services

12:30-13:00 **Panel Discussion:** Challenges and Solutions for Implementation of AI-Based Risk Stratification and Personalized Screening

13:00 Adjourn

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