



FROM INNOVATION TO GLOBAL TRANSFORMATION

Dr. Hila Harris Miller

Director of Intellectual Property

Sheba Impact Ltd



Sheba Medical Center

Israel's national health powerhouse

6

Hospitals & centers

1,800

Physicians

11,000

Healthcare professionals

1.9M

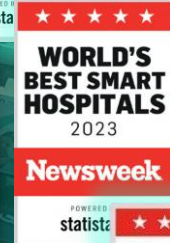
Clinical visits per year

12,000

Babies delivered annually

1,900

Beds





The image features a central title 'HEALTHCARE IS FACING EXISTENTIAL CHALLENGES' in white, bold, sans-serif font. Surrounding this title are eight red-outlined boxes, each containing a challenge. These boxes are interconnected by a network of thin, light-colored lines, creating a web-like structure. The background is dark with a subtle pattern of small, glowing orange dots and faint, larger numbers, giving it a high-tech or data-driven appearance.

HEALTHCARE IS FACING EXISTENTIAL CHALLENGES

Clinical Effectiveness

Workforce Shortage

Quality of Health

Financial Sustainability

Clinician Burnout

Patient Centeredness

Health Equity

Resource Efficiency

Patient Safety

In 2019 Sheba established ARC with two goals in mind

- ▶ Lead innovation & transformation efforts on a global scale
- ▶ Innovation as an economic engine of growth



ARC 2024 Exits



BELKIN
VISION

1st
\$466M

Alcon

2nd
\$300M



Edwards

innovvalve
heart of stability



Prof. Michael Belkin



Daria Lemann-Blumenthal



Prof. Ehud Raanani

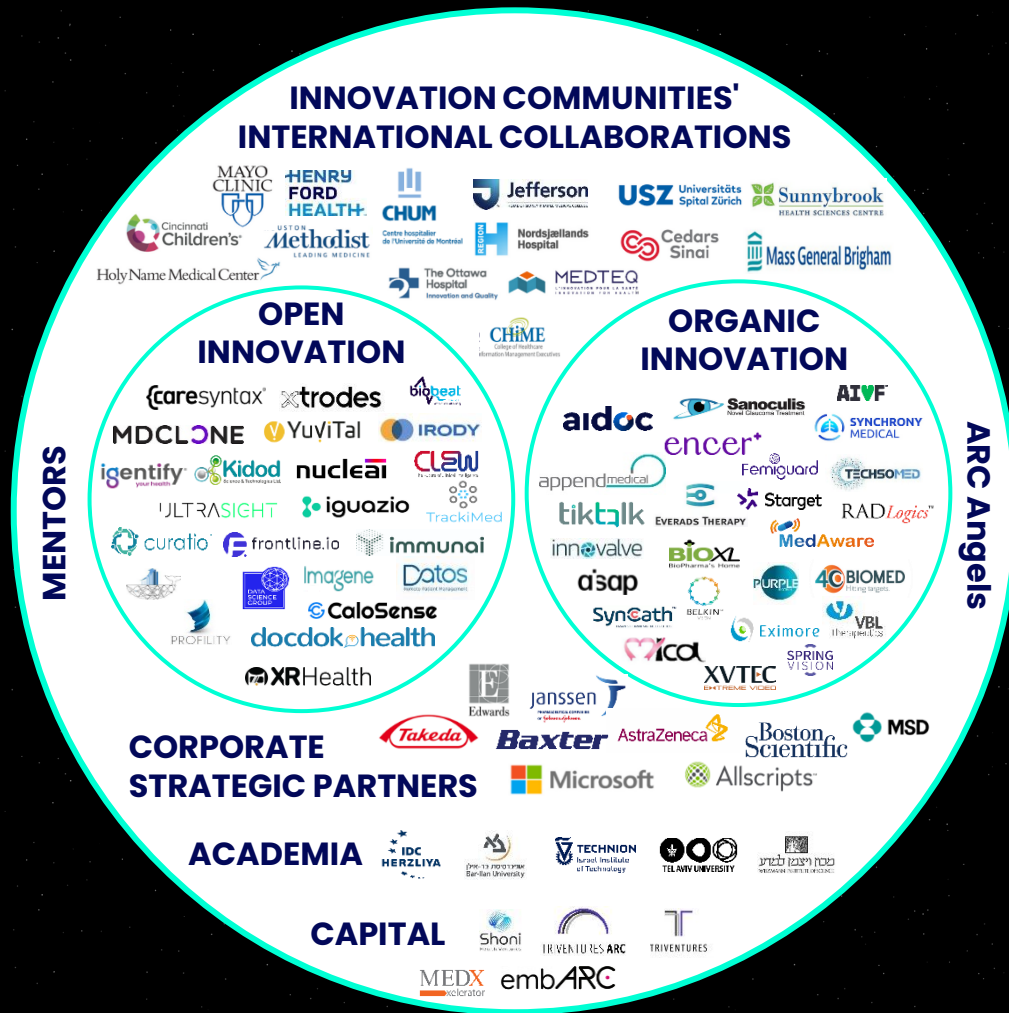


Dr. Boris Orlov



Eyal Baror

The Startup Ecosystem



IMPLEMENTING ARC **GLOBALLY**: ON AN INSTITUTIONAL, REGIONAL AND NATIONAL LEVEL



ARC's HIGH IMPACT TRANSFORMATIONAL TOOLS

Transforming Decision Making Processes

- » AI based patient journey
- » Point of care, AI enhanced, diagnostics
- » Digital biomarkers
- » Data based managerial decision support

Redesigning Professional Disciplines

- » Working at the top of the licence
- » Bed side data specialist
- » Redefining rolls between human and AI
- » Empowering clinicians through data

Providing Care Without an Address

- » Breaking geographic constraints
- » Designing hybrid hospitalization programs
- » Smart home to support health needs
- » Supporting health equity

Precision Medicine, Prediction & Prevention

- » Multi omics analysis
- » Pathoradiomics
- » Predictive tools to personalize health screening
- » Population health

Empowering the Patient

- » Personalized patient onboarding
- » Patient facing GenAI solutions
- » Digital therapeutics
- » Utilizing PROMs to drive value for patients

ENTREPRENEURIAL CULTURE

CULTIVATING ENTREPRENEURSHIP



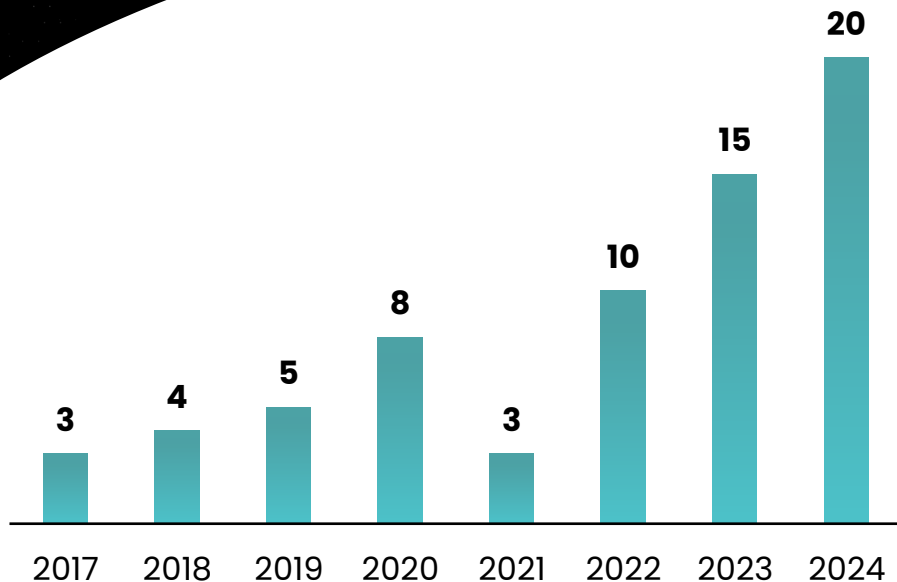
12-week hybrid, on-the-job training program transforming clinicians into entrepreneurs.
From identifying gaps to pitching solutions—designed by clinicians, for clinicians.

ARC's Innovation Champions



FROM A FEW TO DOZENS A YEAR

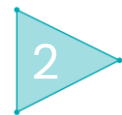
NUMBER OF SHEBA STARTUPS SPIN-OFFS



How did we get there?



Entrepreneurship
Culture



Streamlining
Commercialization

SHEBA'S ARC DRIVES ECONOMIC IMPACT

From November 2019 to December 2024



283

Patents
Families



112

Startup
Companies



245

Trade
Licenses



\$140M

In Sheba's
investment funds



~3,500

No. of employees
in ARC companies



\$238M

In seed
Funding



\$1.7B

Total raised by
ARC's Companies



\$1.6B

Cap Growth of ARC
companies in 2024



\$5.8B

Total valuation of
ARC Companies

Global **IMPACT**

by Organic Innovation

Bridge

Bridge academic to business chasm

Clinical/Academic Ideas

Global Implementation

Create strong internal innovation flow through large scale innovation training and community building

TECHNOLOGY

Help create first investable proof points

MARKET

Validate market and create first connections

TEAM

Bring top entrepreneurs and business experts to work with internal experts

Finances

Connect to early pre-seed funding

Follow and support companies through growth



HEALTH TECH

Clinical AI company Aidoc lands \$150M backed by General Catalyst, Nvidia's venture arm

By **Heather Landi** · Jul 23, 2025 8:00am

Aidoc

Artificial Intelligence

funding round

venture capital (VC)



Real-World Impact Across Key Facility Metrics

Multiple factors are contributing to operational challenges for health systems, but Aidoc's effectiveness as a prioritization tool has led to positive downstream financial and clinical results at partner facilities.

REVENUE CAPTURE

40%

increase in clinically appropriate
interventions (PE)¹

PRIORITIZED DISCHARGE

10% - 26%

decrease in patient length of stay
(ICH & PE)^{2,3,4}

DISEASE AWARENESS

45% - 70%

enhanced triage (iPE)^{5,6}

CLINICAL EFFICIENCY

22% - 55%

improvement in turnaround time
reduction⁷⁻¹⁰



Proven Solution FDA-cleared

AISAP's FDA-cleared platform is in use across health systems, hospitals, and clinics worldwide.



Shorten time to diagnosis

Get rapid, expert-level results instantly at the point of care



Reduce length of stay

Enables timely discharge, reducing LOS and avoiding unnecessary expenses and use of hospital imaging.



Early detection of structural heart disease

Identify heart disease early with expert-level AI results



Avoid unnecessary patients transfers

Avoid patient transfers by having the exam done right at the bed side.



POCUS OS™

A seamless ,all-in-one platform for all your POCUS needs

aⁱ AISAP's results are ready

- AP4
- AP4+CD MV
- AP4+CD TV
- PLAX
- PLAX+CD
- SC IVC



6/6

Results





Revolutionizing Surgery with AI & 3D Printing:
Personalized Implants & Tools, Instantly On-Site



Surgeries are Generic, Manual and Prone to Errors

Heavily dependent on surgeon expertise and precision



- Majority of errors are human-errors
- Surgical outcomes variability
- Extended surgery time
- Risk of contamination
- Higher readmission rates

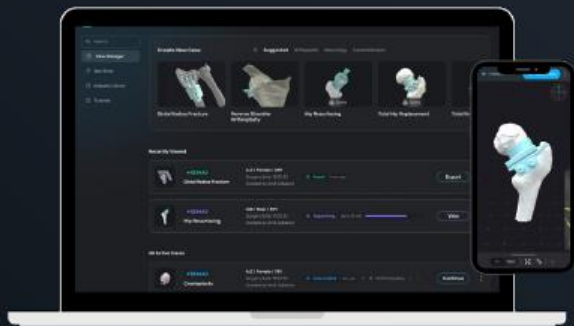
All surgeries involving the skeleton, including:
orthopedic, maxillofacial, cranial, spinal, and trauma procedures.

Sources: The Leapfrog Group, NIH, washington post

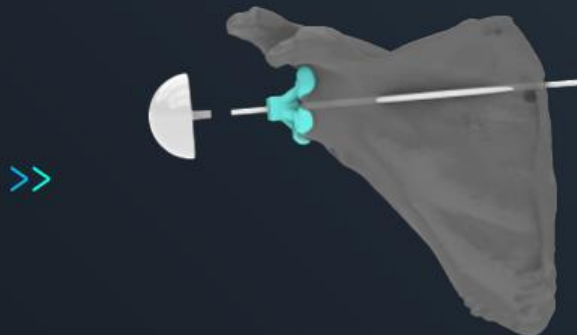
One-Stop-Shop for Surgeries

Surgeon-first, AI-driven platform for personalized surgical solutions

SOFTWARE



PERSONALIZED OUTPUTS



Any Surgeon
Zero Training





SaaS Fees
Monthly Subscription

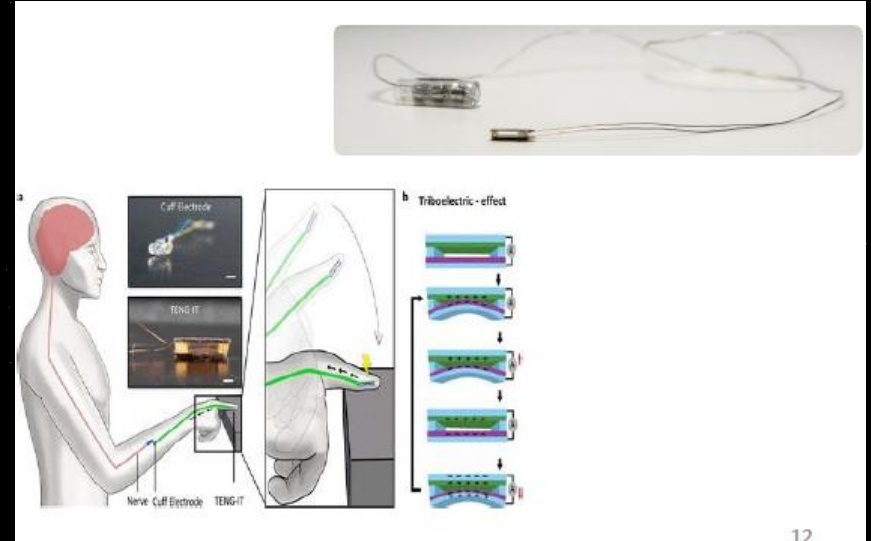


Real-Time
From anywhere



Cure At Your Fingertips: Tiny Implants Restore Lost Sensation Of Touch

By [Sara Miller](#), NoCamels  May 20, 2024  4 minutes



Sheba Medical Center–Backed Mentaily Secures \$3M to Scale AI- Powered Mental Health Platform



האנשים שמאחורי המהפכה באבחון הפסיכיאטרי. מימין: ד"ר אסף כספי, איריס שטיין, ד"ר דניאל כהן, פרופ' מרק ויזר



Thank you
ARC