



ARAB HEALTH TRADESHOW

ONLINE | MAY 23-July 22 | 2021
IN-PERSON EVENT | June 21-24 | 2021
Dubai World Trade Centre, UAE

Israel National Pavilion
Booth No. SA.E29



Contents

Intro - Why Israel?	3
The Israel Export & International Cooperation Institute	4
The Foreign Trade Administration	5
Index by Company	6
Biobeat	8
Chaban Medical Ltd	9
ELAD Health	10
IMNA Solutions	11
Naveh Pharma	12
Noam Urim	13
Sensible Medical	14
Silbermann Technologies	15

Why Israel?

DIVERSITY is the backbone of Israel's Medical Device & Digital Health Industry

Diverse Companies • Diverse Technological Implementation • Diverse Medical Applications.

By the end of the 1990s, Israel was a home to more than 200 life science companies. With steady growth over the last decade (some 40 new companies formed each year), Israel has introduced creativity and innovation into the field; today there are over **1500 active companies**.

In a relatively short period of time, an impressive 40 percent of these companies are already generating revenues. **Israel's entrepreneurial ecosystem** creates opportunities for start-ups to become **advanced, commercially viable and promising businesses**. As proof of the industry's development, 2018 Medical Device & Digital Health have passed \$2 billion, growing steadily since 2010; while a rich pipeline of seed companies promises to perpetuate current growth.

The **Largest Sectors** is **Medical Devices** and **Digital Health** (over 65 percent of companies). In the medical device arena, Israeli scientists and engineers have integrated advanced technologies in electronics, communications and electro-optics to develop world-class innovations in **Digital Imaging, Medical Lasers, Telemedicine, Early Diagnostics, Smart Surgical** Equipment and more. Over 600 medical device exporters engaged in a variety of medical application such as **Cardiovascular** and **Peripheral Vascular, Neurology** and **Degenerative Diseases, Preparedness** and **Emergency Medicine, Intensive Care, Women Health, Orthopedics and Sport Medicine, Gastrointestinal, Infection Control, Ophthalmology, Pain and Wound Management, Oral and Dental Care, Dermatology** and **Aesthetics**.

The digital era opens tremendous opportunities to deliver healthcare services to patients at the comfort of their homes or wherever they are, through any web or mobile device, without requiring a presence of healthcare provider in the loop. For millions of people that live in distance from or in scarcity of healthcare resources and services, the growing spread of smartphones creates new possibilities to improve healthcare services access and quality of life. **Telemedicine, mHealth, Wearables, Remote Monitoring, Electronic Medical Records, Big Data Analytics, Internet of Medical Things, Medical Apps** and others all can be incorporate into Digital Health or Health Information Technologies.

Israeli Digital Health industry has its roots in a long history of using innovative communication technologies to improve healthcare delivery. With **more than 25 years of expertise in implementing** health IT, electronic medical records and Big Data Analytics; today, our Government keeps investing strongly in IT thus putting Israeli expertise in international demand.

We are proud of the contributions of our gifted innovators at Israeli Medical Industry, which is a truly rewarding combination between Life Sciences and High-end Technologies starting from the design, development, advanced manufacturing integrating innovative materials, systems and technics promoting efficient work of the medical staff, allowing to achieve maximum accuracy in testing and treatment tailored to each patient's unique profile • **placing the individual in the center**.



THE ISRAEL EXPORT &
INTERNATIONAL COOPERATION INSTITUTE

Israel Inspired by Innovation at ARAB HEALTH 2021

The Israel Export & International Cooperation Institute, supported by member firms, private sector bodies and the government of Israel, advances business relationships between Israeli exporters and overseas businesses and organizations. By providing a wide range of export-oriented services to Israeli companies and complementary services to the international business community, the Institute helps build successful joint ventures, strategic alliances and trade partnerships.

The IEICI's Medical Device & Digital Health Sector is part of the Life Science Department which is the leader in business matching between the more than 1,500 companies in the Israeli life science industry and worldwide business partners at all levels. It has a proven ability to identify and match suitable potential business partners, organize one-on-one business meetings, and is a focal point for contacts with the government as well as with industry.

The Israeli Medical Device & Digital Health sector has more than 1,000 companies targeting various fields of medicine: Cardiology, Oncology, Neurology, Emergency Medicine, Rehabilitation, Ophthalmology, Gastrointestinal, Orthopedics and Sport Medicine, Women's Health, Pain and Wound Management, Dermatology and Aesthetics. Offers a variety of innovative medical solutions and technologies that answer today's healthcare challenges.

Discover [Israel's Medical Device & Digital Health Industry](#) with IEICI.

Mando Alfasa

Manager, Medical Device & Digital Health Sector
Israel Export & International Cooperation Institute
+972 3 514 2913 | Mandoa@export.gov.il

Alona Trivaks

Business Development, Medical Device & Digital Health Sector
Israel Export & International Cooperation Institute
+972 3 514 2955 | alonat@export.gov.il

Tamir Raveh

Business Development & Regulation Coordinator, Medical Device & Digital Health Sector
Israel Export & International Cooperation Institute
+972 3 514 2807 | tamirr@export.gov.il



Ministry of Economy and Industry
Foreign Trade Administration

The Foreign Trade Administration at the Ministry of Economy and Industry

The Foreign Trade Administration at the Ministry of Economy and Industry is responsible for managing and directing the international trade policy of the State of Israel.

The Administration's main fields of activity include promoting trade and exports, initiating and maintaining trade agreements, attracting and facilitating foreign investments and initiating strategic cooperation with foreign companies. Together with the Administration's team in Israel, we operate a network of more than 45 Economic and Trade Offices around the world, which serve as the operational arm of the Ministry in the global markets.

For further information:

Mr. Aviad Tamir

Appointed Commercial Attaché' to the UAE


The Israeli Ministry of Economy & Industry

Aviad.Tamir@economy.gov.il

Index by Company

Company Name	Website	Technology Categories	Therapeutic Areas	Page
Biobeat 	www.bio-beat.com	Artificial Intelligence Remote Monitoring Wearables & IOT	Cardiovascular Emergency Medicine Primary Care	8
Chaban Medical Ltd 	www.chaban-medical.com	Medical Equipment Proactive wellness / Lifestyle / Patient Engagement	Dermatology and Aesthetics Rehabilitation Respiratory	9
ELAD Health 	www.elad-health.com	Electronic Medical Records	General Health	10
IMNA Solutions 	www.imnasol.com	Decision Support Systems Personal Health Assistant Remote Monitoring	Obesity Orthopedic Rehabilitation	11
Naveh Pharma 	www.navehpharma.com	Nutrition Tech Personal Health Assistant	Ear, Nose and Throat (ENT) Psychiatry Women's Health	12
Noam Urim 	www.noam-urim.com	Disposable & Implantable Nursing Applications Personal Health Assistant	General Health Intensive Care	13

Index by Company

Company Name	Website	Technology Categories	Therapeutic Areas	Page
Sensible Medical	www.sensible-medical.com	Disease Management	Cardiovascular	14
		Medical Equipment	Pulmonary	
		Remote Monitoring		
	www.silbermnn.com	Medical Equipment	Emergency Medicine	15
		Nursing Applications	General Surgery	
		Remote Monitoring	Intensive Care	

● Technology Categories

- Artificial Intelligence
- Remote Monitoring
- Wearables & IOT

● Therapeutic Areas

- Cardiovascular
- Emergency Medicine
- Primary Care

AI remote patient monitoring platform, measuring 15 vital signs and triggering early clinical intervention

SOLUTION AT A GLANCE

Biobeat is a med-tech company with unique health-AI abilities in the patient monitoring space. The company's remote patient monitoring (RPM) health-AI platform includes a disposable short-term chest-monitor and a long-term wrist-monitor, both of which utilize a photoplethysmography-based (PPG) sensor to continuously provide accurate patient readings of 15 health parameters, including cuffless blood pressure, pulse rate, respiratory rate, blood oxygen saturation, temperature, stroke volume, cardiac output, one lead ECG (only chest-monitor) and more. Aggregated patient health data is viewed by medical staff via Biobeat's secure HIPPA and GDPR compliant cloud-based patient management platform, which utilizes an automated real-time early warning score (EWS) system that incorporates advanced AI-based algorithms to provide alerts on patient health status and potential deterioration.

Biobeat's wearable devices are the first devices to be FDA-Cleared for cuffless non-invasive blood pressure monitoring and are also CE Mark certified.





● Technology Categories

- Medical Equipment
- Proactive wellness / Lifestyle / Patient Engagement

● Therapeutic Areas

- Dermatology and Aesthetics
- Rehabilitation
- Respiratory

Chaban Medical, Changing Healthcare. Changing Lives.

SOLUTION AT A GLANCE

Chaban Medical (2003), FDA approved, holds ISO 14001, ISO 13485, ISO9001, clean room ISO-7 certifications, and a business license 1.3 for medical development and manufacturing.

OxyTec-55/8/10 (Oxygen Concentrator):

The Oxytec oxygen concentrator series, provide 93%+3% oxygen in all flow rate 1-5/1-8LPM and 90%+3% in all flow rate 1-10LPM. Chaban Medical was a leading supplier for oxygen concentrator to the Israeli Ministry of Health as well as the Indian government while providing thousands of products during the pandemic.

Just Walk:

A new therapy technology for rehabilitation following stroke and other neurological impairments. The device, FDA and CE approved can cover the entire continuum of rehabilitative care, starting in the inpatient hospital unit, progressing to the outpatient clinic and continuing in the home Care.

CryoNeedle:

The CryoNeedle Cryoprobe, FDA approved, is a hand-held cryosurgical instrument for destroying tissue of Hypertrophic Scars and Keloids (HSK) during surgical procedures by intralesional application of extremely cold cryoprobe. Therapeutic Area(s): Dermatology and Aesthetics.





Technology Categories

- Electronic Medical Records

Therapeutic Areas

- General Health

Elad Health is the developer of the Chameleon Electronic Medical Record (EMR). Chameleon provides a holistic medical view of the patient hospitalization processes including seamless interoperability across medical departments, units and clinics.

SOLUTION AT A GLANCE

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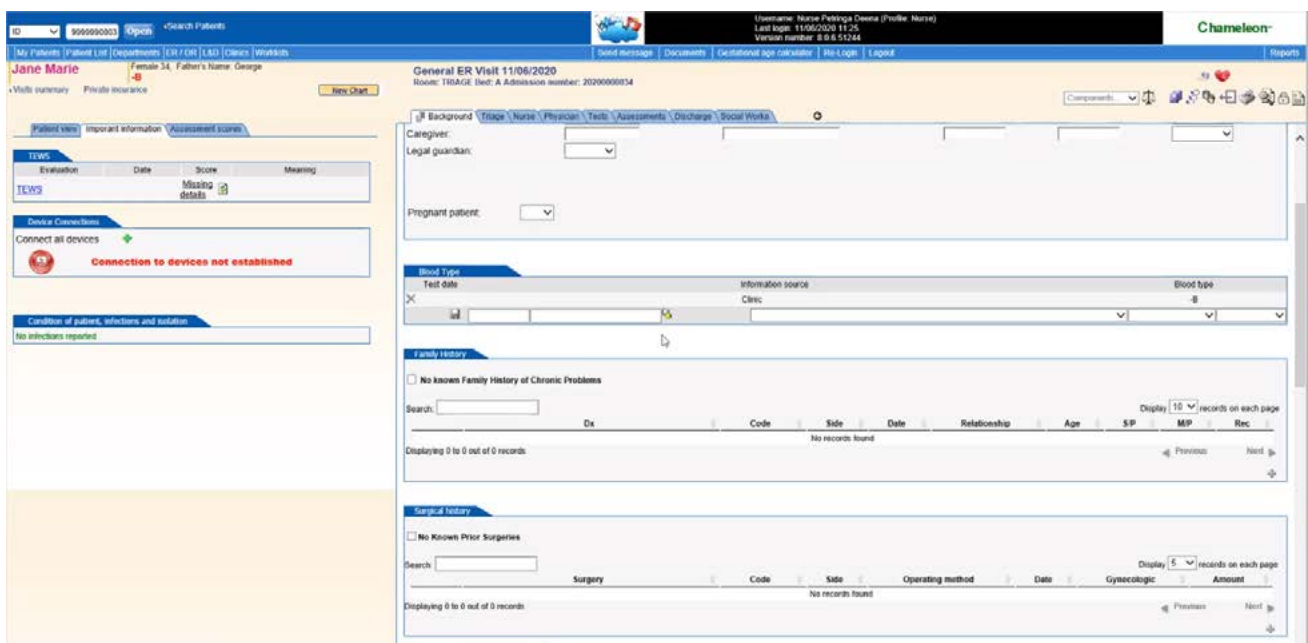
Elad Health established in 2004, deployed in 45 hospitals across Israel.

Chameleon is the leading EMR software solution in Israel used by 75% of hospitals.

Chameleon EMR: The Chameleon Electronic Medical Record is a flexible platform which addresses all departments and wards in the hospital creating a fully continuous care encounter and patient history. In addition, dedicated components of the solution offer deep and detailed clinical content for many disciplines in the hospital, day care units and outpatient clinics. Special attention is given to the most complex, potent and expensive areas such as ER, operating rooms, ICU, Oncology care, Maternity and Rehabilitation.

Chameleon benefits include:

- Reducing human errors
- Improving clinical outcomes
- Fast case and resource management
- Full medico legal audit trail



The screenshot displays the Chameleon EMR interface for a patient named Jane Marie. The interface is divided into several sections:

- Header:** Includes patient ID (999999999), search bar, and user information (Chameleon: Nurse Patricia Green, Profile: Nurse, Last login: 11/06/2020 11:25, Version number: 6.0.6.51244).
- Navigation:** Tabs for My Patients, Patient List, Departments, ER/ICU, L&D, Clinics, and Worklists.
- Patient Information:** General ER Visit 11/06/2020, Room: 110AGE, Bed: A, Admission number: 20200000154.
- Assessment Scores:** A table with columns for Evaluation, Date, Score, and Meaning. It shows a score of 10 for TICS with a missing detail.
- Device Connections:** A section indicating that connection to devices is not established.
- Medical History:**
 - Family History:** A table with columns for Search, Dx, Code, Side, Date, Relationship, Age, S/P, and Rec. It shows no records found.
 - Surgical History:** A table with columns for Search, Surgery, Code, Side, Operating method, Date, Gynecologic, and Amount. It shows no records found.



● Technology Categories

- Decision Support Systems
- Personal Health Assistant
- Remote Monitoring

● Therapeutic Areas

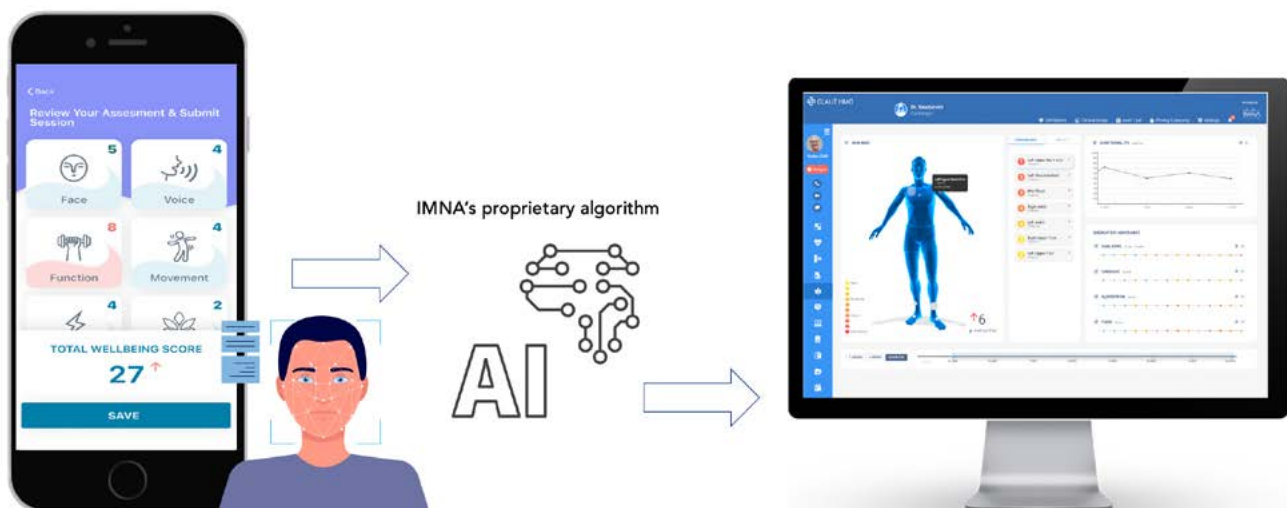
- Obesity
- Orthopedic
- Rehabilitation

Objective Insights for Pain Management

SOLUTION AT A GLANCE

Chronic pain is the No. 1 cause of disability and disease burden. We help patients gain objective insights into their personal pain journey and share it with their care teams. Through an interoperable connection with the electronic medical records (EMR/HER) IMNA is able to improve the shared decision-making process via intelligent use of data. IMNA's unified platform provides a global clinical impact on chronic disease management by reducing the information and knowledge gap between providers and patients between office visits. ListenCare, an AI-Based platform, maps and quantifies the interrelationships between physiological, psychological, and behavioral dimensions to provide an objective pain assessment solution.

Currently, no scalable and cost-effective solution exists to manage the pain assessment process, therefore providing an automated objective guidance is vital in order to reduce the risk of complications caused by an inadequate rehabilitation process in chronic diseases.





● Technology Categories

- Nutrition Tech
- Personal Health Assistant

● Therapeutic Areas

- Ear
- Nose and Throat (ENT)
- Psychiatry
- Women's Health

Balancing Your Life Saffron Extract Technology – Contribute to Mental Health & Wellness

SOLUTION AT A GLANCE

NAVEH PHARMA LTD established in 1996, specialized in developing, manufacturing and distributing diverse healthcare patented products. NAVEH PHARMA specialize in the research and development of Saffron (Crocus Sativus) active ingredients and its implementation to supplements in unique bioavailable forms of capsules and gummies. The company developed a line of proprietary, high quality natural and safe supplements exploiting the multifunctional properties of Saffron extract, using unique techniques. The unique supplements indicated to mental health, mood disorders, stress, anxiety learning disabilities and ADHD and is safe to use by children and adults, making the remedies as First Choice in mental health treatment before using drugs. Natural Safe & Effective Multifunctional – balancing all 3 neurotransmitters – Serotonin, Noradrenalin & Dopamine as well as GABA. The remedies are SSRI, SNRI Synonym with high bioavailability, with No side effects, addiction or tolerance in Capsules or Gummies for best compliance. NAVEH PHARMA is ISO and CE certified company.





● Technology Categories

- Disposable & Implantable
- Nursing Applications
- Personal Health Assistant

● Therapeutic Areas

- General Health
- Intensive Care

Non-Woven Disposable innovative items for personal care and general cleaning use

SOLUTION AT A GLANCE

Noam Urim produce and supply developed disposable fabrics / products for the hygiene and medical industry. Our main brand DiniClean[®], dry soaped sponges and gloves, designed as bath alternatives for confined to bed patients, avoiding cross contamination in hospitals and nursing homes. In our product range we have developed also an Antibacterial dry wipes, based on copper fibers which avoid bacteria growth, the ONLY odor reducing cleaning wipe which is wash resistance. Noam Urim is a leader in the manufacture of needle-punched nonwoven fabrics. The Company offers a variety of fabrics with features for different applications: soaped sponges for hygienic personal care, unique dry cleaning cloth for avoid cross contamination and more. The experienced Noam Urim team develops new items in collaboration with customers to meet exact technical requirements in compliance with international standard ISO 9001:2008 and the EC 1223/2009.



● Technology Categories

- Disease Management
- Medical Equipment
- Remote Monitoring

● Therapeutic Areas

- Cardiovascular
- Pulmonary

Sensible Medical Innovations developed ReDS brand the leading platform for Heart Failure and Fluid Management across the continuum of care: hospital and home

SOLUTION AT A GLANCE

Sensible Medical Innovations developed a non-invasive medical device that is very effective and accurate measuring of lung fluid in Heart Failure patients management.

Heart Failure is a major chronic disease and is the leading cause for hospital readmissions for elders (65+) worldwide.

Since 90% of Heart Failure patients are hospitalized due to shortness of breath resulting from fluid in the lungs, it is paramount to measure the lung fluid level in order to guide treatment and thus reduce readmissions. ReDS have proven to be able to reduce readmission to hospitals by 79%.

The company's ReDS technology is a miniature radar system originated from defense see-through-wall technology. Each measurement takes only 45 seconds, and it is being used in both hospital and home settings





● Technology Categories

- Medical Equipment
- Nursing Applications
- Remote Monitoring

● Therapeutic Areas

- Emergency Medicine
- General Surgery
- Intensive Care

Medical Gas Systems Since 1950

SOLUTION AT A GLANCE

Silbermann's Medical Gas System products have been trusted by hospitals around the world. Silbermann has earned global recognition as a leader in designing and manufacturing of medical gas delivery systems, oxygen & vacuum therapy equipment and patient care solutions. One Area of Expertise, Many Areas of Application: Silbermann Invests its full energies and resources in one area of expertise – medical gas systems. We offer a wide range of innovative products, varying in size and application, including:

- Medical Gas Pipeline: Fully automatic manifold systems, digital alarm panels, valve boxes, outlets of both American and European standards
- Medical Architectural: Bed head units, power columns, etc.
- Ceiling Suspended Arms: Ceiling pendants for critical departments such as OT, ICU's, trauma centers, gastroenterology units etc.
- Oxygen and suction therapy equipment: Flow-meters, pressure and vacuum regulators etc.
- Medical gas central supply systems: Medical air plant, medical vacuum plant, AGSS (WAGD) plant etc.
- Medical gas system verification

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Production: IEICI Media and Communication Division | Design: Nurit shelach

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