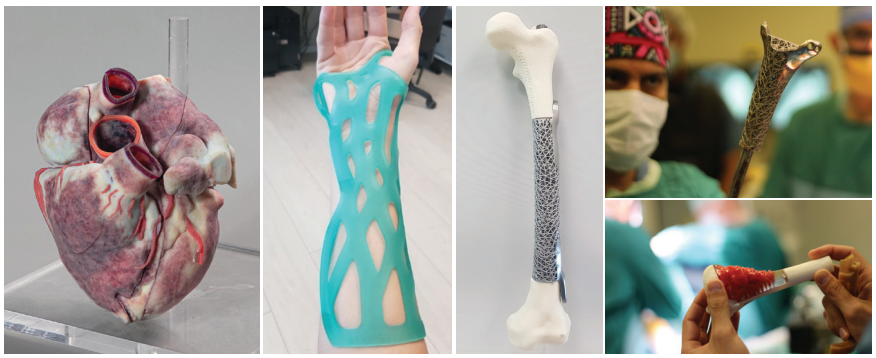
LEVIN CENTER SURGICAL 3D PRINTING INNOVATION

BRINGING SURGERY INTO THE NEXT DIMENSION

We deliver next-generation 3D solutions for personalized patient care.

Integrating medical excellence & skills with deep expertise in 3D imaging, data processing and 3D printing, surgeons can apply inventive, individualized surgical strategies and tools, tailored to patients' unique medical conditions.

With a world-class reputation as an outstanding hub of excellence, the Levin Center works to share and export its knowledge in order to improve patient care on a national and global scale.



R&D and academic partnerships

The Levin Center serves as an excellent testing environment, actively leading, participating in, and accomplishing novel achievements across a variety of scientific, preclinical, and clinical research endeavors in collaboration with global institutions and companies.

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SHARON TUVIA CREATIVELY ACCURATE · TEL AVIV UNIVERSITY · SYNERGY 3D med Customized Medical Devices · 3D SYSTEMS

Established in 2016

Lead by Dr. Solomon Dadia

11 Employees

The Levin Center uses 3D printing technology & advanced visualization tools to enable surgeons to optimize surgery & personalize treatment for each patient.

The Center converts medical imagery, such as MRIs and CT scans, into precise dynamic virtual and physical 3D models that surgeons can use to plan and perform intricate operations.

- Enhanced surgical accuracy
- Improved surgical result
- Expedited patient recovery
- Optimal post-surgery functioning
- Reduced overall risk
- Shortening of procedure time
- Procedure cost reduction
- Shorter hospitalization
- Reduced long-term burden on the medical and social infrastructures

TEL AVIV SOURASKY MEDICAL CENTER ICHILOV

FIELDS OF EXPERTISE

3D-PRINTED SURGICAL AIDS	Printing detailed 3D anatomical models, providing tangible-colored views of target organs, tissues, and structures
3D-PRINTED SURGICAL TOOLS	Design and 3D print surgical instruments tailored to specific patient needs
3D-PRINTED SURGICAL IMPLANTS	Create and 3D-print anatomically precise patient implants, introducing innovative materials and structures
3D-PRINTED ORTHOTIC DEVICES	Design and 3D-print custom casts and splints
AUGMENTED & VIRTUAL REALITY	Display a dynamic 3D simulation of a patient's surgical field including anatomy and pathology with highlighted structures to simulate the entire surgical procedure
DIGITAL VISUALIZATION	Advanced anatomical 3D modeling with sharp colored images and precise delineation of discrete anatomical structures
ROBOTICS	Combination of 3d imaging technologies with advanced medical robotic systems

LEVIN CENTER SURGICAL
3D PRINTING INNOVATION

THE TEAM

Dr. Solomon Dadia
DIRECTOR

Head of the Surgical Innovation and 3D Printing Unit at the Tel Aviv Sourasky Medical Center, Israel. Senior Deputy Director of Orthopedic Oncology of the National Unit at Sourasky.

Eran Golden
CTO

R&D Engineer at the Center for Surgical Innovation and 3D Printing.
As an expert in different materials and 3D implant design, Eran leads and initiates collaborations with doctors, academic researchers, and companies in the industry.

Dr. Amit Benady
HEAD OF RESEARCH

Fellow in the "Orion" program for physician-researchers at Tel-Aviv Medical Center, Ichilov.
Leads the field of academia and research with doctors, academics, and industry researchers.

Phillip Berman
3D TECH

Manager of 3D reconstruction services. Has been working in the 3D field for over 20 years. He leads all digital processing for doctors of all disciplines.

Our staff includes additional 7 members with advanced degrees and technical expertise in 3D hardware & software development

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