



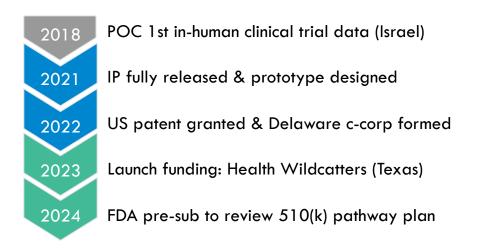
Non-invasive fluid status monitoring

Spot deterioration and guide therapy more closely for heart failure and at-risk patients in the hospital and home.



Company overview

\$33B heart failure and perioperative patient monitoring hospital & home market: VenoVision non-invasively delivers fluid status vital signs previously limited to invasive sensors and implants.



Seed round: \$4M

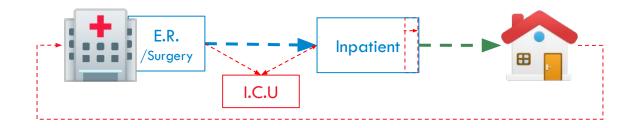
Prototype to FDA cleared device (18-24 months)

- 1st Tranche: \$1.25M
- Milestone: Autonomous device
 + validation (9-12 months)

Total raise to-date: \$205K Management: +30yrs in medtech/hitech, intl. management, regulatory leadership, product dev.



Delayed, over intensive & extended care costs \$ billions



Heart Failure

\$20B on 1M (re)hospitalizations & excess hospital days

70-80% Medicare beneficiaries

Hospital: \$11K reimbursement shortfall p/patient

Post-Op Care

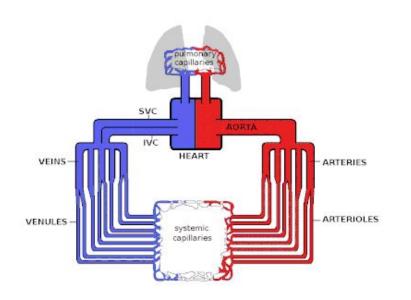
28M surgeries with 20% adverse event rate

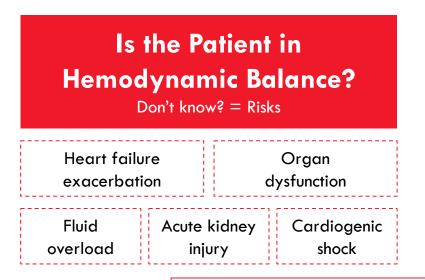
Hospital: \$3K-150K costs absorbed p/patient



Insufficient fluid status monitoring is a key factor to this

Hemodynamics are the principles & mechanisms governing the flow & pressure of blood.



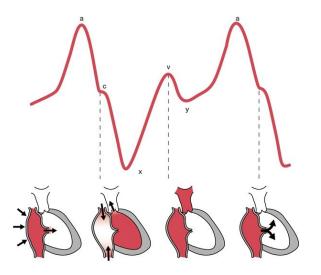


Hospitalization, ICU, Extended LOS



Improving CVP monitoring can help assess hemodynamics

Monitoring central venous pressure from E.D. to discharge leads to better outcomes.



Central Venous Pressure reflects:

- Amount of blood returning to the heart.
- Heart's ability to pump blood back to the arterial system.
- Various cardiac dysfunctions through its venous waveform changes.

CVP is a key indicator of congestion developing in organs and tissues (+ the reverse).



Yet current monitoring options have significant limitations

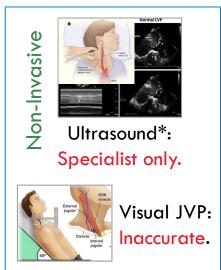
Standard

Hemodynamic Monitoring



Insufficient.





- Patient at risk for hours
- Specialists/ ICU beds diverted
- Expensive implants at home



Overcomes the limitations of current hemodynamic monitoring technology

- Rapid: Minutes not hours
- Easy-to-use: "Point & Press"
- All settings & users:
 Not dependent on MD specialists!



Hand-held Device

Thermal Imaging + ML

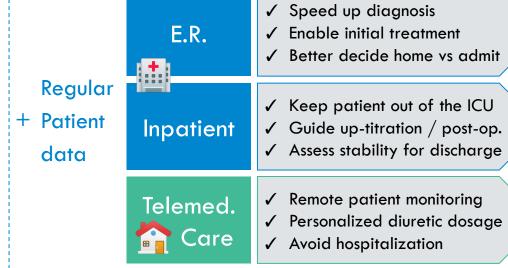


Adding VenoVision helps improve care & critical decisions

VenoVision VVC-100

- Central Venous Pressure
- Venous Waveform
- Heart Rate + Respiration Rate + Body Temp.





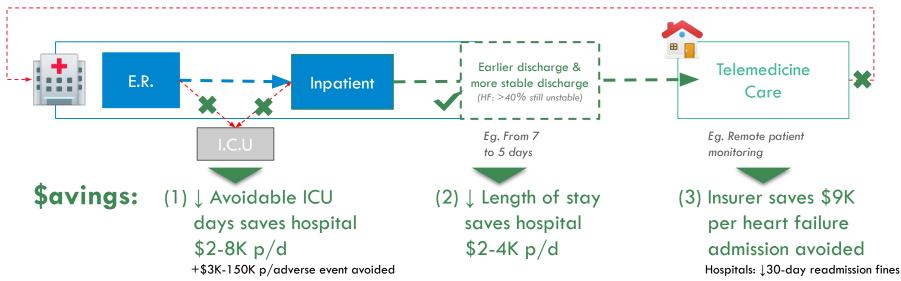


Resulting improved patient management can save \$\$\$



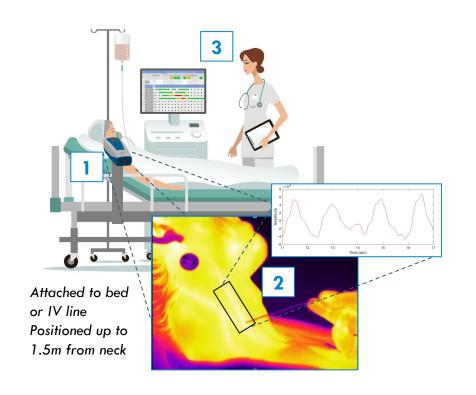
↓ LOS by 1 day saves at least \$2B:

e.g 20% of HF patients are obese, +1-3 days extra.





How VenoVision collects readings: Thermal imaging & ML

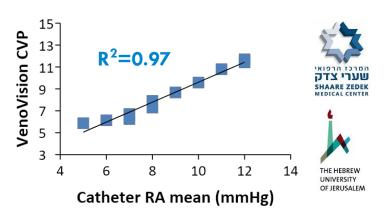


- Point & Press: Position VVC-100
 in-line with the neck area.
- 2. Al/ML analyzes real-time thermal recordings of the jugular vein.
- 3. Vitals are sent over FHIR to the EMR for review.



Proof-of-concept clinical data

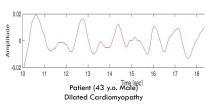
1. Proof-of-concept 1st in-human clinical trial (NCT04179851)

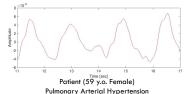


12 statistically significant patients (n=15) with Mean RA \leq 12mmHg showed a strong correlation from VenoVision to the catheter Swan Ganz measurements.

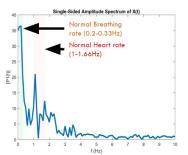
2. Additional data & patterns identified

a) Venous waveform pattern of cardiac dysfunctions:

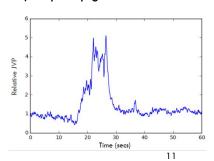




b) Heart rate & breathing rate:



c) Hepatojugular reflux test:



Read Report | Presented at ICI 2018 & Israel Heart 2020



Traction: Clinical trial data, IP, Prototype, 510(k) pathway



1st In-Human Clinical Trial

Strong correlation to invasive Swan Ganz readings





1 st Patent Granted & Prototyped

All IP transferred to Delaware C-Corp



US Patent 11,234,643

Launch Funding: Health Wildcatters

"Most Innovative Award" M2D2 Impact 2023





FDA Pre-Sub on 510(k)

& Reimbursement Plan

510(k) pathway feedback.
Reimbursement & HEI model.
Product development plan
validated with MPR Associates.

Seeking partners for product dev. to be on-market end 2026



GTM: Phased product strategy in a \$33B market

TAM \$33B

\$AM \$5.65B

SOM (5yr rev.) **\$440M**



TAM \$525M

5 devices in 6K hospitals, 1M admissions, 5 yrs



TAM \$5.3B

1 device per 3 patients 50% of 28M post-ops, 5yrs

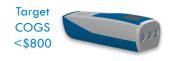


TAM \$27.6B

6M HF patients monitored monthly, 5yrs



GTM: Hardware + pay per use revenue model



Device + Per Patient Fee





\$5,000 + \$75 p/admission

<\$100 p/patient (50% perioperative patients)

Covered by DRG payment + NTAP (CMS)

- ✓ Fewer hospital days, improved care
- ✓ Save \$2-10K p/day (eg. frees up ICU beds)
- ✓ 1 yr ROI Factor = 6 for obese HF alone!



\$2,500 + \$35 p/month RPM

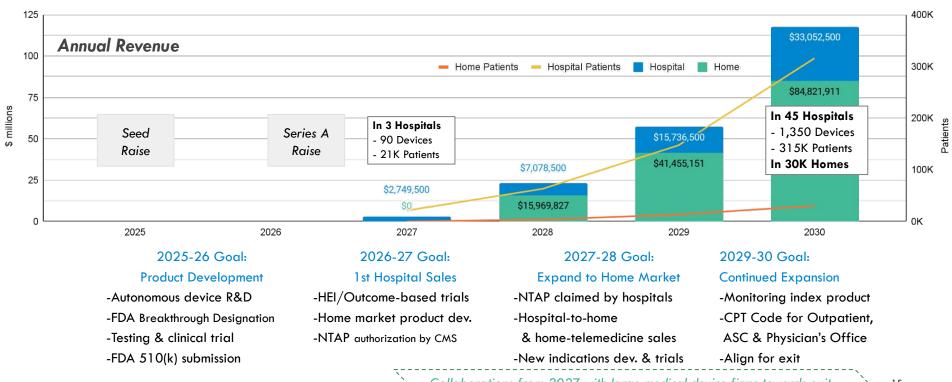
Telemedicine firm bills insurer \$140-390 p/m

Covered as % of CPT codes (RPM+CCM)

- ✓ Fewer (re)hospitalizations
- ✓ Insurer saves 2-5x on telemed. vs 1 admission



On US market 2026-7 | Potential for exit by 2030





Example exits



















Part of a multi-company deal of \$1B



\$200M \$40M Just under



VenoVision vs non-invasive competition



Direct measure of CVP: No new score/black-box AI

No patches, no leads

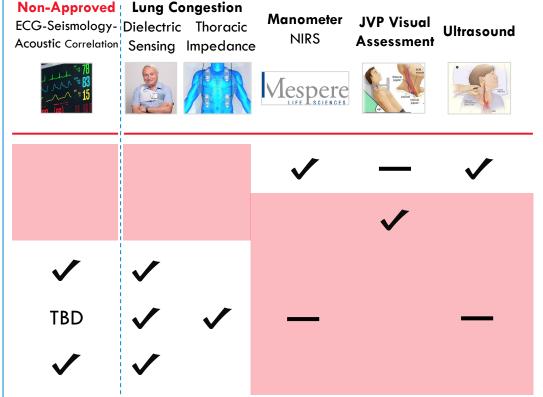
Easy-to-Use: no specialist training & quick to set up

Contactless:

Obese patients

& all skin colors

Hospital & Home





VenoVision is led by its founders from BioDesign Israel

Hands-On Leadership



Nadav Lankin (CTO)
Medical AI, RAQA & Product Specialist
>20 years in Med-Tech & Start-ups

- Oridion Medical (acq. by Covidien/Medtronic)
- Textrix Inc (acquired by Sun Microsystems)
- Condensys (backed by by Sun Microsystems)



Jonathan Maron, (President)
Senior Manager in Multinational
+5 years Intl. Leadership

- Original BioDesign team member
- Kenes Group (medical associations)
- Business analyst, incl. for NASDAQ co.

Co-Founders from BioDesign



Prof. Yaakov Nahmias Chair of Bioengineering, HUJI



Tissue FUTU
Dynamics MEAT





Prof. Tal Hasin, M.D. Head of Heart Failure Unit Shaare Zedek Medical Center



Adjunct Team



Regulatory Pathway FDA Breakthrough Device (Readiness & Application)





Reimbursement Strategy
Initial Budget Impact Model







Legal & Corporate Affairs Incorporation & ongoing





Legal Partner: Matt Eckert



Seed round to reach commercialization

\$4M seed round in tranches to submit for FDA 510(k) clearance within 24 months.

Total Raise To-date - \$205K

Health Wildcatters
 Accelerator Fund,
 incl. add-on
 CLA investment



- Industry Grant
- Co-founders
- In-Kind Services Award

9-12 Months

1st Tranche - \$1.25M

Milestone:

Autonomous Device

- Expand R&D team for product dev.
- R&D: Train device to detect and measure independently
- Establish QMS, Clinical & Regulatory Affairs
- Simulation & usability testing

9-12 Months

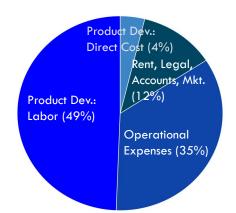
2nd Tranche - \$2.75M

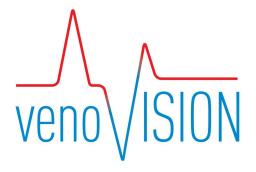
Milestone:

FDA 510(k) Clearance

- Pivotal Clinical Trial
- Design Freeze
- ISO/IEC/Safety testing
- Hand-off from R&D to small-scale manufacturing
- FDA 510(k) application

Use of \$4M Seed





Join us to better personalize therapy & improve the lives of millions



\$33B patient monitoring market that can save thousands of dollars per patient:

- ✓ Proof-of-concept, patented & prototyped
- ✓ FDA 510(k) pathway planned
- \checkmark Aiming to be on market by end of 2026.