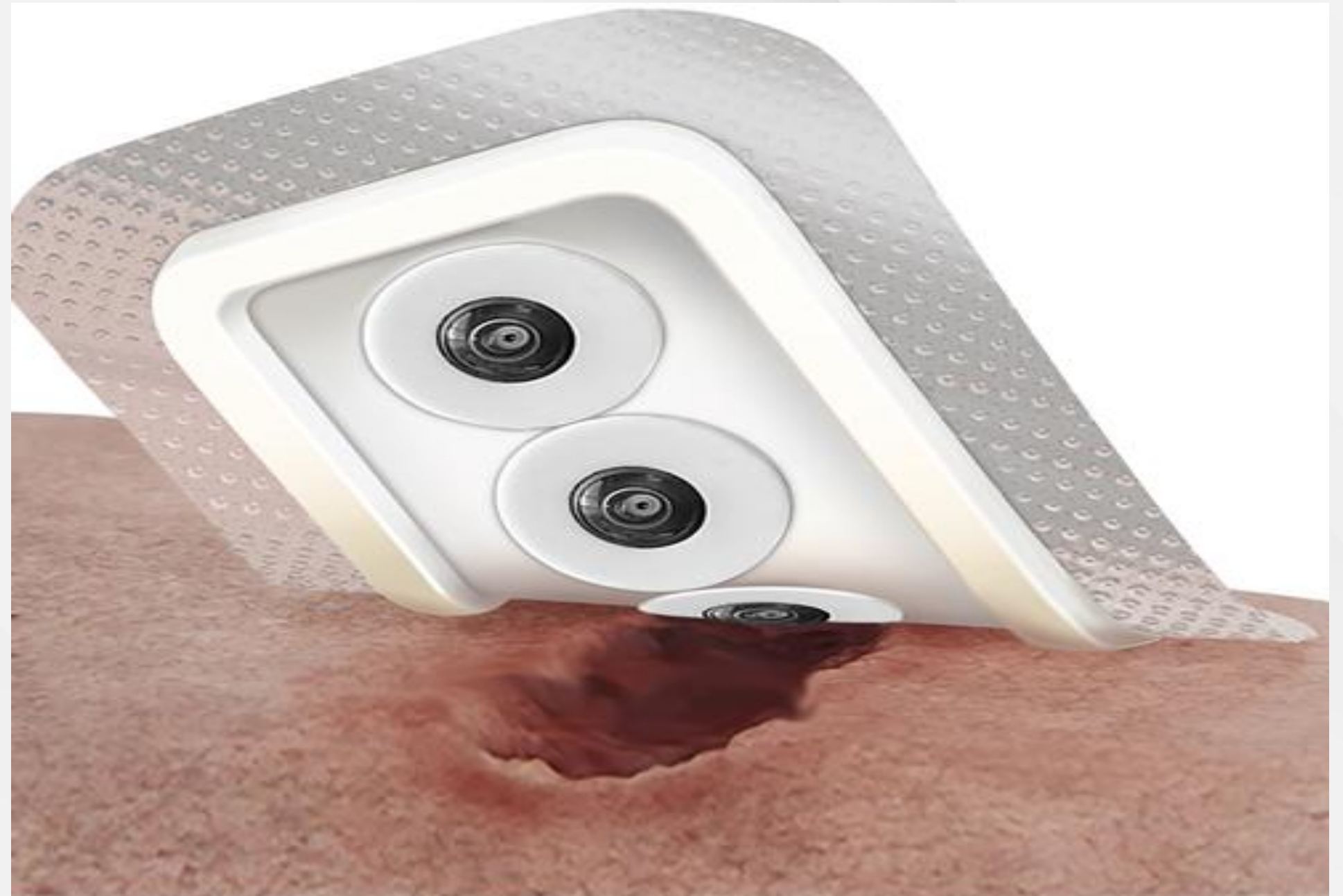


Pretika[®]

M E D T E C H

OptixDX

EMBEDDED DIAGNOSTIC CONNECTED
WOUND CARE SMART DRESSING
TECHNOLOGY



EARLY DETECTION OF WOUND COMPLICATIONS - BEFORE THEY BECOME SERIOUS

THOMAS NICHOLS, CEO

SEPTEMBER 2025

Clinical Problem

Current workflow requires patient visits & dressing removal = delayed detection

7.7M

30-Day Readmissions
Due to Infection

\$27B

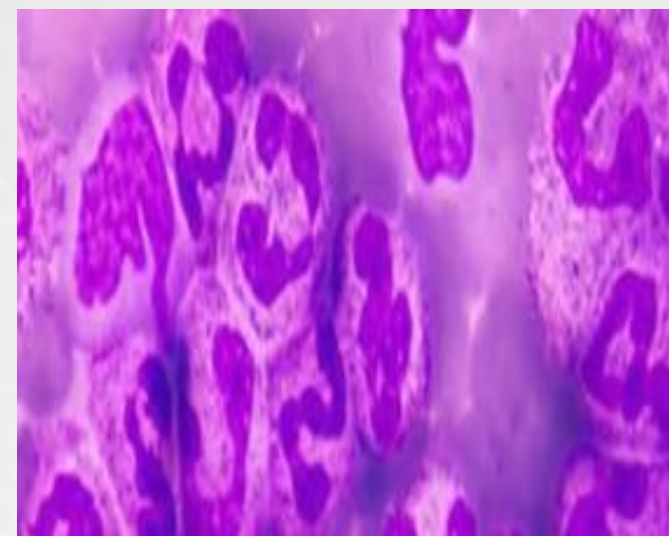
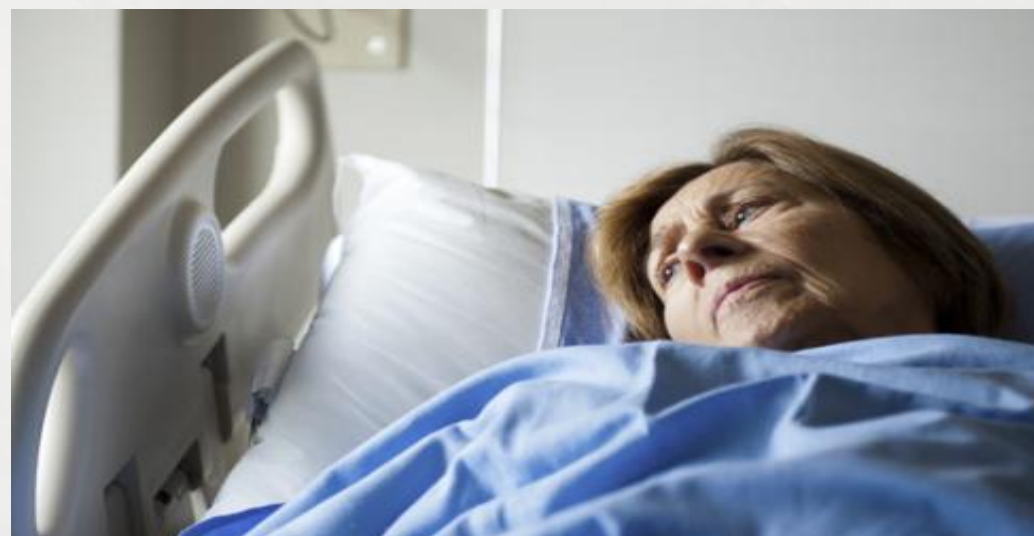
Annual Cost
Wound Related
Readmissions

\$17K

Cost per
Readmission

0

Real Time
Diagnostic Support



Clinical Solution: OptixDX

Real-time remote monitoring smart wound dressing

- Non-invasive, continuous imaging
- Real-time data + predictive analytics
- Secure cloud-based clinician dashboard
- Seamless workflow integration
- EMR/RPM Interoperable



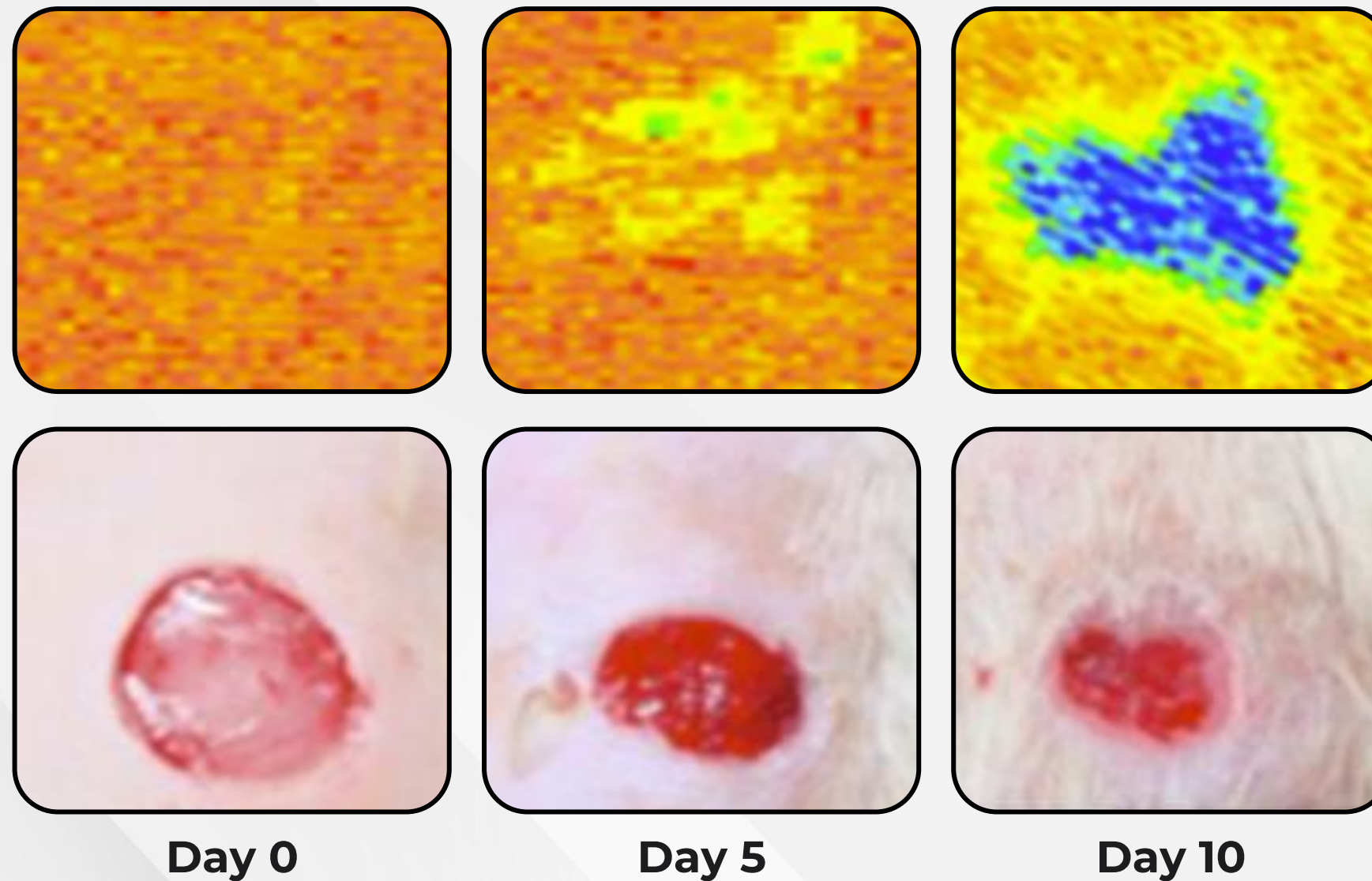
Value Proposition

Enables care teams to act before infections escalate

Ensures patients less pain, amputations and death from infected wounds

Economic Impact

Multispectral & hyperspectral imaging detects bacteria, oxygen and temperature preventing negative outcomes saving hospitals thousands



Day 0

Day 5

Day 10

\$500

OptixDX
Reimbursable

OptixDX detects
infection where it is
usually missed - allows
for early treatment

\$17K

Readmission cost
without OptixDX

Team



Thomas Nichols
Founder & CEO

- Serial founder
- 50+ patents
- Pepperdine MBA
- Visionary champion of Embedded Diagnostic Connected Wound Care Technology



Samir Shreim
Chief Technology Visionary

- Multiple MedTech Exits
- Cal-Tech Advisor, Optics Institute
- UCI Doctorate Optics Bio-Electrical Engineer



Tala Harake
Chief Clinical Visionary

- Former Masimo, Principal Investigator
- Master's in Biology/Biological Sciences



Allison Komiyama
Regulatory

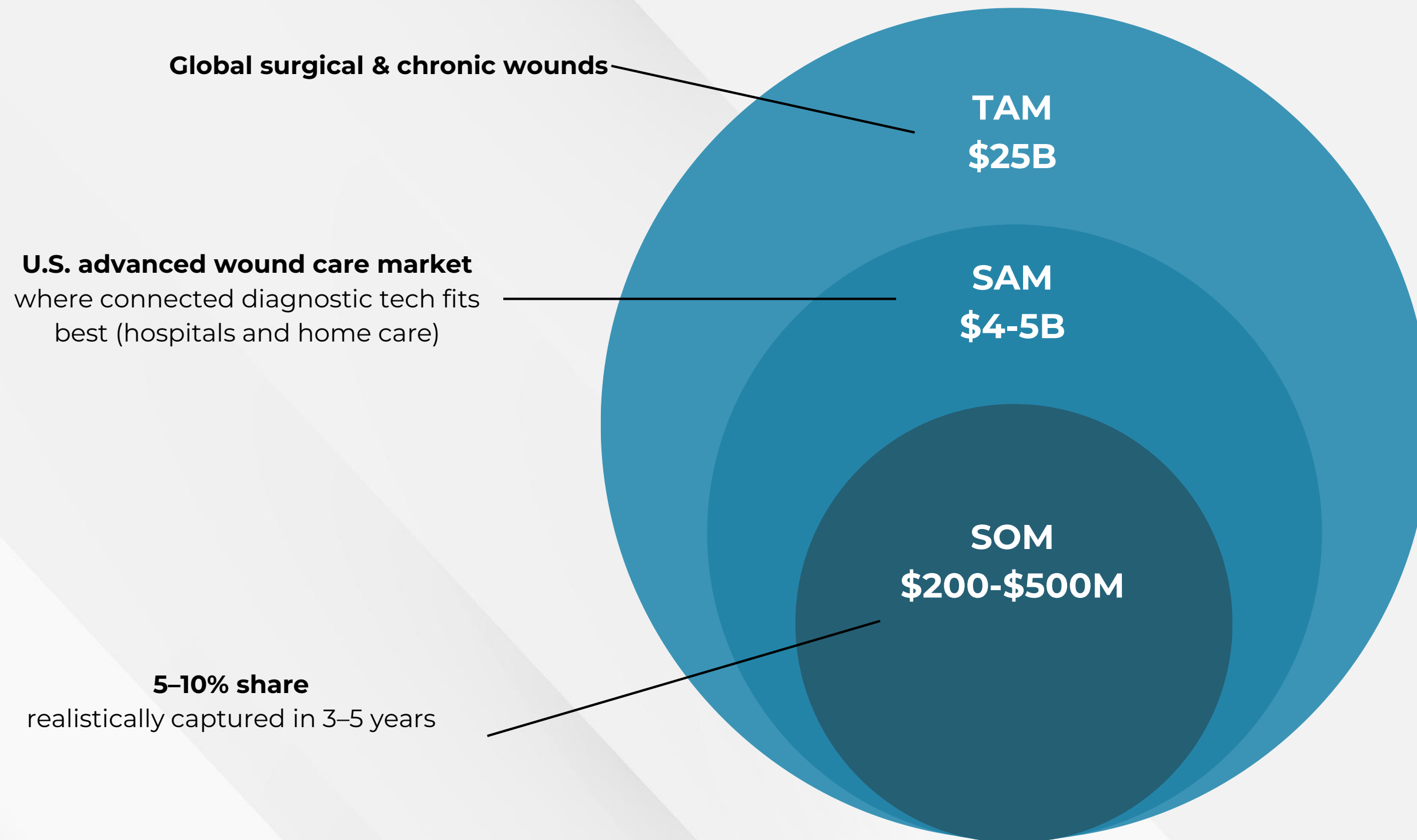
- Regulatory affairs professional 20+ years
- Pre-Sub, RFD, IDE, and 510(k)
- Doctorate in Neuroscience, Biology
- FDA Reviewer
- RQM+







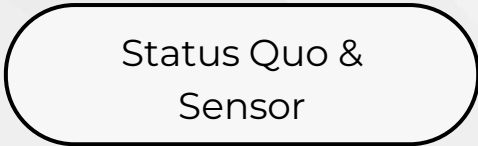
Chris Dupont
Medical Device Cloud Platform

- Clinician Workflow & interoperability
- Wireless & Cellular Connectivity
- Medical device software (SaaS)
- Galen Data

Market Opportunity



Competitive Landscape

	 Pretika [®] MEDTECH OptixDX	 KENT IMAGING Multispectral	 SWIFT Imaging App	 Perceptive 3D Wound Imaging	 Status Quo & Sensor Technologies Low Tech
Continuous monitoring without dressing removal	✓	✗	✗	✗	✗
Real-Time Imaging - No appointment needed!	✓	✗	✗	✗	✗
Combines Digital, Multispectral & Hyperspectral Imaging	✓	✓	✗	✗	✗
Cloud, predictive analytics + clinician dashboard	✓	✓	✓	✓	✗

OptixDX remote monitoring technology allows clinicians to detect issues before patients experience pain, unlike current methods that require hospital visits.

Business Model & GTM

Device	SaaS	Future
Cost per Episode: \$500 COGs: \$100 Gross Margin: \$400 / 80%	MRR: \$50-\$100/mo per patient	TBD Data Monetization of Imaging
Existing HCPCS Reimbursements cover Total Billable Monitoring Services, Diagnostics, Digital Health, In-Patient and Device		



Hospital Pilot Programs
Active conversations with
Hoag & Mayo



Expand to SNFs, Home
Health and rural care

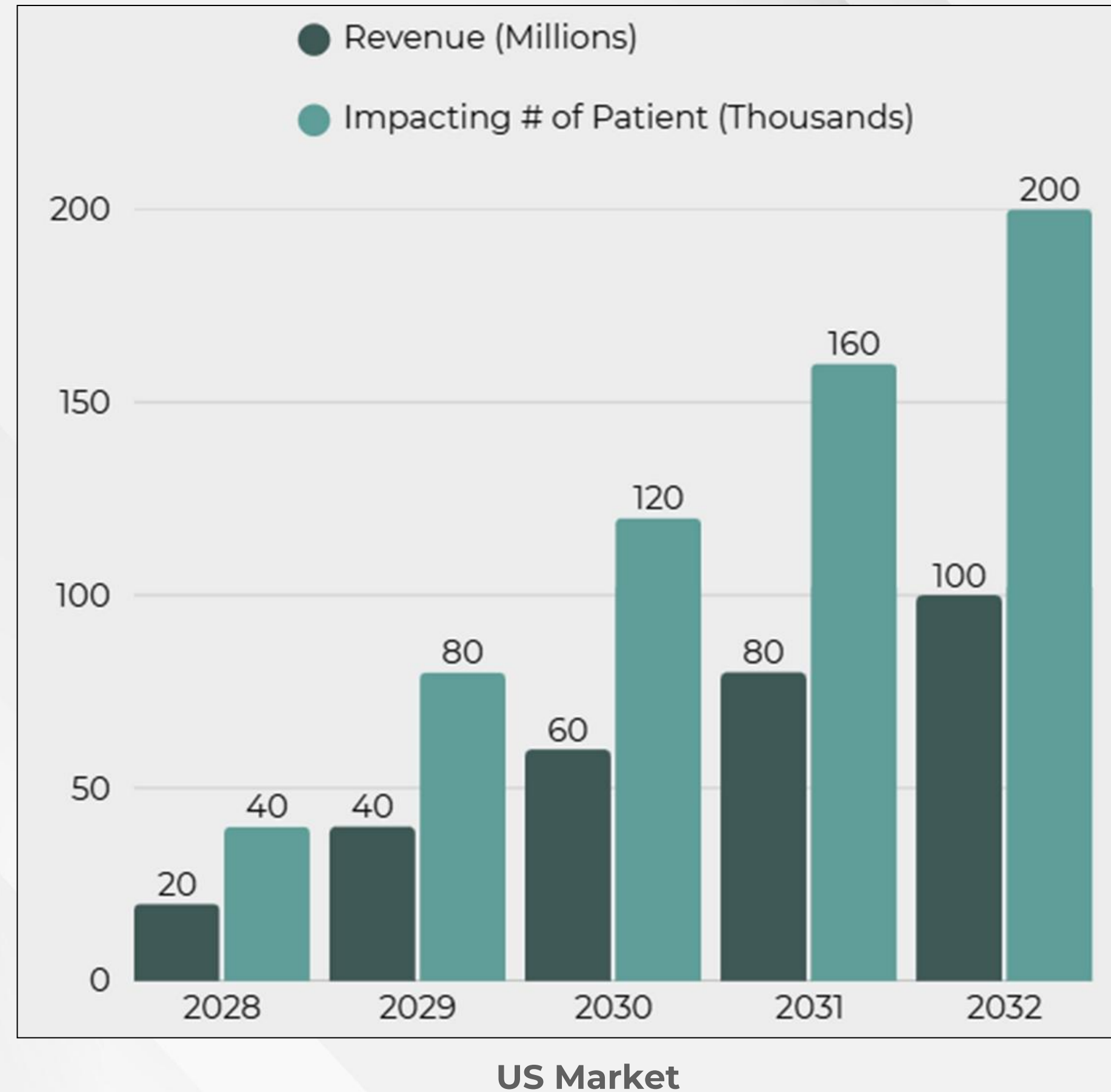


Scale nationally via GPOs,
IDNs and Strategic Partners.
In discussions with the
Surgical Infection Society



5-YEAR FINANCIAL PROJECTIONS

- > \$100M Revenue by 2023
- EBITDA: 10-20%



Regulatory & IP



FDA 510K Class II
Classification: System
Imaging Processing

Knobbe Martens
IP + Technology Law

7 Patents
US and EU



Ask: \$2M

Pretika MedTech Corporation is a **Seed Stage, Pre-Revenue** company seeking to raise **\$2M**. Proceeds will be used to advance our technology through 5 pivotal milestones – ALL THE WAY to **FDA 510(k) clearance**.

Completed Milestones:

De-Risk Tech
MVP in Beta
IP, FDA & IRB
Adoption/Usability Studies

Founders Pre-Seed Investment:
\$682K

5 MILESTONES TO ACCOMPLISH IN SEED STAGE

MVP II
Production
Testing

Cloud
Connectivity
Testing

FDA Safety
and Human
Factors Testing

Hospital Pilot
Studies

FDA Class II
510K
Submission

OptixDX

Pretika[®]
MEDTECH

The future of wound care innovation is here!

Strategic fit, expansion into
connected wound care + infection
prevention



Contact:
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thomasnichols@pretika.com

LINKEDIN

