

SCANA

REVOLUTIONIZING WOUND
CARE WITH 3D IMAGING AND AI



Sonia Kumar | Heran Pradhan | Varun Satheesh

The Problem: Diabetic Wounds & Amputations

- 1.5M chronic wound patients have diabetic ulcers ¹
- 15% of diabetics develop chronic wounds ¹
- 150,000+ diabetes-related amputations every year ¹
- Diabetics have a 15× higher amputation risk ¹

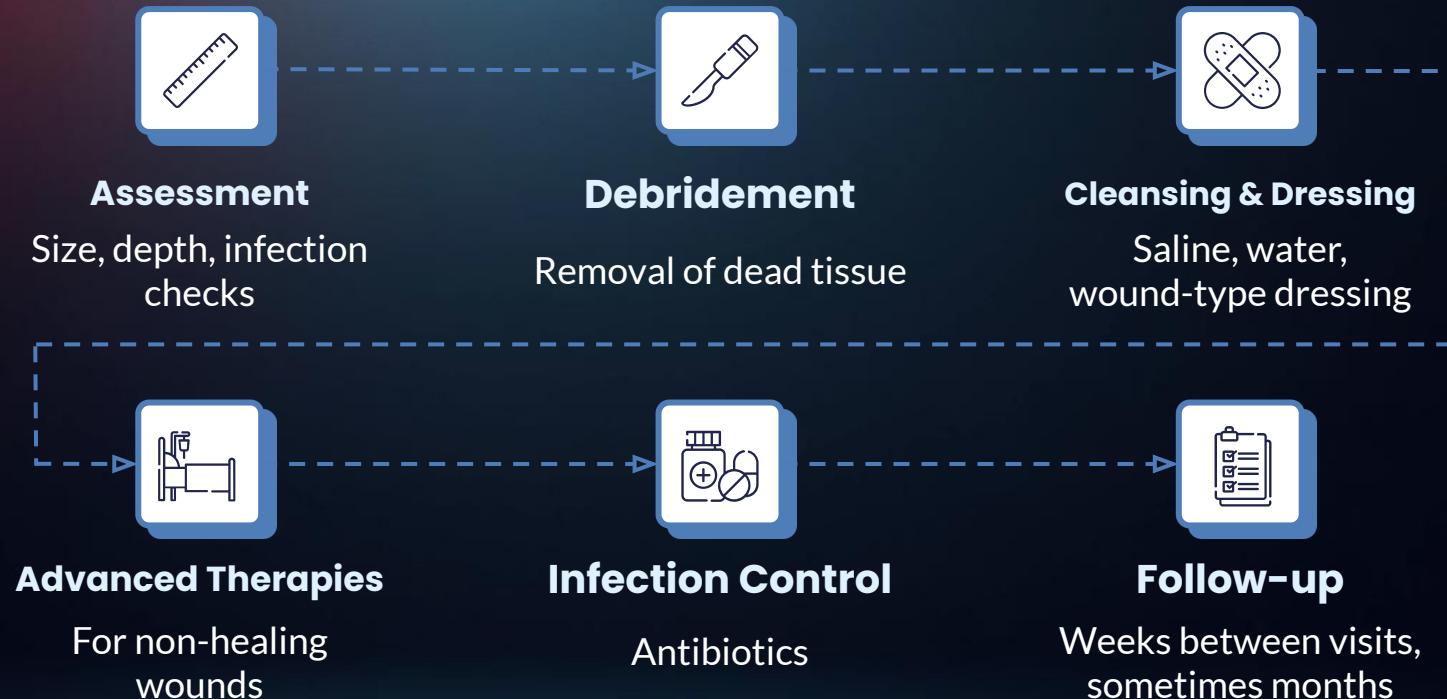


Diabetic Foot Injury by travenian ²

¹ Inova. (2025). Diabetes and wounds. Inova. <https://www.inova.org/our-services/wound-healing-centers/treatments-and-services/diabetes-and-wounds>

² Retrieved from: iStock by Getty Images <https://www.istockphoto.com/photo/diabetic-foot-gm175483656-20931867>

Current Methods of Wound Care



Unmet Needs in Wound Care

- Inconsistent monitoring
 - Infrequent visits → missed early changes
- Imprecise/Manual tracking
 - Rulers & 2D photos vary by angle, lighting
- Subjective assessments
 - Human vision misses subtle tissue shifts

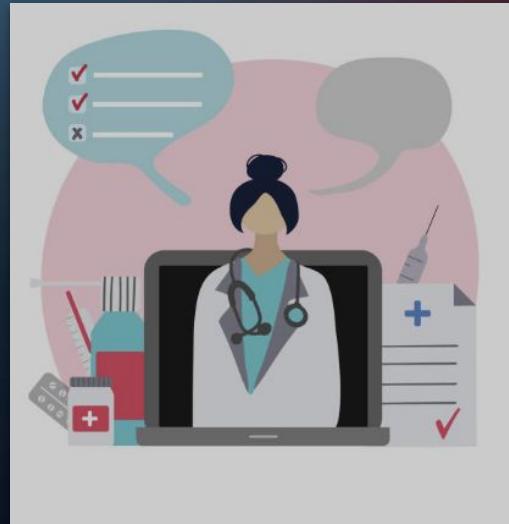


Doctor's Office, by Diane Labombardre³

³ Retrieved from: iStock by Getty Images <https://www.istockphoto.com/vector/doctors-office-gm496924105-41784778>

Gaps in Clinical Workflow

- Heavy documentation burden
 - Nurses burnout and less time with patients
 - Incomplete records, denied claims
- No predictive tools
 - Healing trajectory unclear
- Poor telehealth integration
 - Limited remote visibility



Laptop with a doctor on the screen,
by Mariya Lutskovskaya⁴

⁴ Retrieved from: iStock by Getty Images <https://www.istockphoto.com/vector/laptop-with-a-doctor-on-the-screen-tablets-thermometer-prescription-on-the-gm1218903965-356341862>

Our Solution: Introducing

SCANA

3D Imaging
& AI

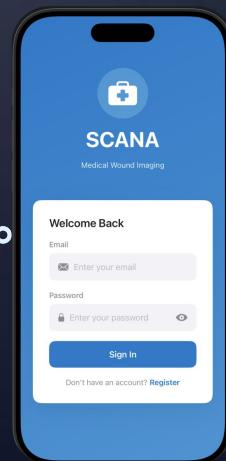
High-precision
wound measurement

Early Detection

Detects subtle
changes invisible to
the human eye

Accurate Color
Representation

Helps identifies
infection, necrosis,
and tissue health



Predictive
Analytics

Forecasts healing &
flags complications

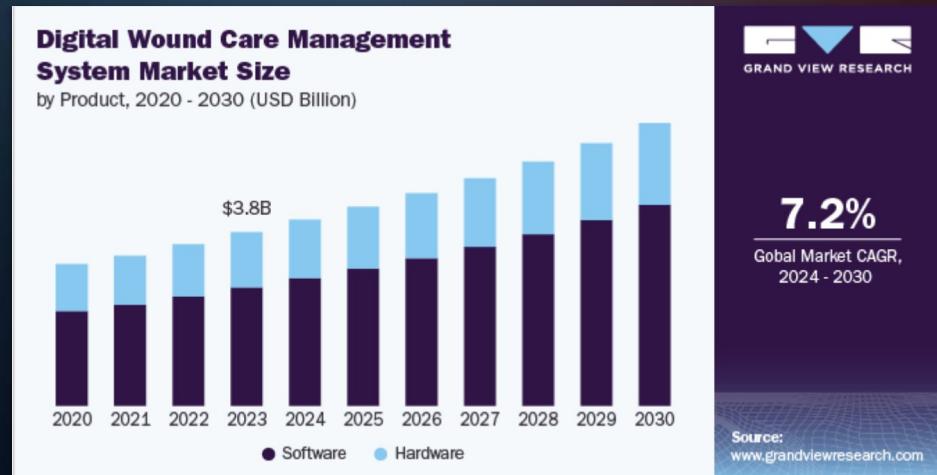
Clinical
Support

Standardized data for
treatment & research

Versatile
Diabetic ulcers, burns,
pressure sores,
surgical wounds

The Market: Where does SCANA fit in?

- Large & Growing Market
 - \$25B global wound care market
 - \$8B diabetic wound care segment
 - \$3.8B+ TAM
 - Aging population + diabetes = rising need
- Current Solutions Lack:
 - Markerless Precise 3D imaging
 - Reliable color accuracy
 - Prior Authorization
 - Predictive AI
 - Daily remote monitoring
 - Integrated Workflow Management



Digital Wound Care Management System Market Size⁵

⁵ Retrieved from: Grand View Research <https://www.grandviewresearch.com/industry-analysis/digital-wound-care-management-system-market-report>

Our Business Model



Primary Revenue: **B2B SaaS**

- Hospitals & wound centers
- Long-term care facilities
- Home-health agencies
- Per-patient subscription



Secondary Revenue: **Pharma & Clinical Trials**

- Licensing SCANA for drug testing
- Objective wound endpoints
- Faster, lower-cost trial data collection

FDA Regulatory, IP, & Go-to-Market



FDA Regulatory Strategy

- 510(k) predicate path for imaging/measurement features
 - Path to FDA approval faster & more cost-effective
- IDE & IRB for pre-clinical testing



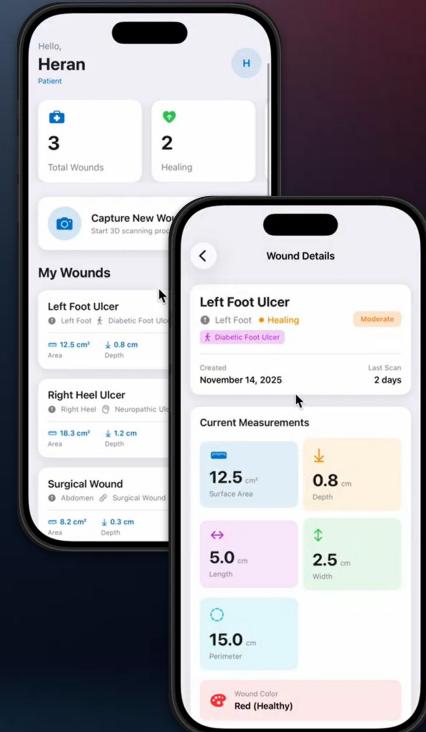
IP Strategy

- Trade secrets for AI models + image processing
- Copyright on software



Go-to-Market

- Phase 1: Clinical pilots (0–6 months)
- Phase 2: LTC + home-health expansion (6–18 months)
- Phase 3: Pharma + industry partnerships (Year 2+)



Our Team



Heran Pradhan - CEO

*MS Candidate in BME
Brown University
Duquesne Alum (2025)*

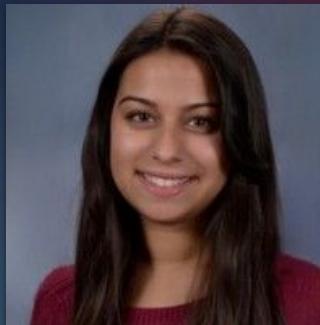
- AI-Based Prediction Models
- FDA/Regulatory Pathways
- Medical Device Startups
- UI/UX Design
- Image Processing & Analysis



Varun Satheesh - CTO

*MS Candidate in CS
Brown University
PES Alum (2025)*

- 3D Image Reconstruction
- Full-stack App Development
- Machine Learning
- Computer Graphics



Sonia Kumar - COO

*MS Candidate in BME
Brown University
CWRU Alum (2023)*

- Leadership & Investor Relations
- Medical Device Experience
- EHR/EMR Systems (Epic)
- Stakeholder Engagement & Partnerships
- Image Processing & Analysis

Thanks!



Do you have any questions?

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