Sandeep Gopalakrishnan
Assistant Professor and Director of Wound Healing and Tissue Repair Lab (WHTRL) at the UW-Milwaukee College of Nursing and CEO/Co-Founder

MegaPerceptron:
Revolutionizing the Healthcare Ecosystem with AI
Predicting wound healing outcomes with big data
Zeyun Yu, Ph.D.
Professor, Department of Computer Science
University of Wisconsin at Milwaukee

Sandeep Gopalakrishnan, MS, Ph.D.
Assistant Professor, College of Nursing
University of Wisconsin at Milwaukee

Jeffrey A. Niezgoda, MD, FACHM, MAPWCA, CHWS
President & CMO WebCME
President & CMO RxOS Medical
CMO, Kent Imaging

AI/ML RESEARCHER
WOUND HEALING AND TISSUE REPAIR RESEARCHER
CLINICIAN AND KOL IN WOUND CARE, HYPERBARIC AND VASCULAR MEDICINE
PROBLEM: CHRONIC NON HEALING WOUNDS

>600M Annually incidences

Diabetic foot ulcer, venous, arterial, pressure ulcer, Burns, Dermatology, Surgical site

1 AMPUTATION EVERY 30 SECONDS
5-year mortality rate ~2 times of cancer

>50 BILLION USD COST
Wounds are complex. Wound management doesn’t have to be.
SOLUTION: AI IN WOUND CARE

- Data Collection
- Measurement
- Diagnosis
- Prognosis

Imaging & EHR
2D&3D Image Analysis
High-Level Assessment
Wound Healing Modeling

Data Collection → Measurement → Diagnosis → Prognosis

H E A L I N G
MegaPerceptron have proprietary software, algorithms and Datasets.
Our Dataset is our strength: Clinician Annotated Data
CLOUD-BASED WOUND ANALYSIS

Managing data and integrating with EHR

Communicating with Caregivers

Collecting wound characteristics

Self Management

Cloud server

diagnosis

prognosis

Provider
FUNDING

$30,000
Bradley Catalyst grant, UWMRF

$139,080
UWM Discovery and Innovation Grant (DIG) Program

$78,024
CEAS stimulus program

Commercial Partners:

[Image of Commercial Partners logos]
How Much Money MegaPerceptron Needs Now?

$500,000/next 18 months

Build Infrastructure
Collaborate on Data
Hire AI/ML professionals
Scaling
Launch the platform
The Next Frontier of Healthcare Delivery is......
A smart data driven digital platform

- Integrated
- In the Home
- Driven by Data and AI/ML technology
- Patient Centric
- Real time monitoring
- Ambulatory
- Virtual
THANK YOU

737 W Washington St #3265 West Allis, WI 53214

info@megaperceptron.com

(414)269-5337

www.megaperceptron.com