

Remote Hub Lab



WoundCare Research

Millions of individuals in the United States face difficulties in managing chronic wounds effectively. Chronic wounds often require ongoing care and monitoring, which can be complex and time-consuming for both patients and healthcare providers.

Our research strategy focuses on addressing the clinical and engineering relevance of effectively managing chronic wounds, highlighting the lack of a consistent standard for monitoring wound conditions and the potential impact on healing outcomes, treatment policies, and financial/health-associated repercussions.



Challenge

Millions of individuals in the United States face difficulties in

Technological Difficulties

There are technological challenges in

Impact

The absence of reliable monitoring standards can

managing chronic wounds effectively.

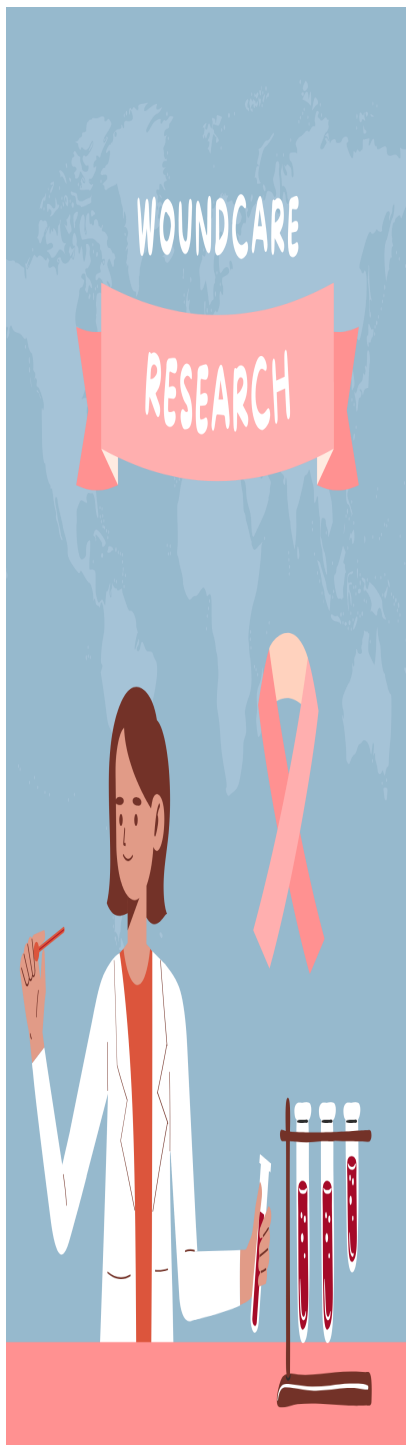
Chronic wounds often require ongoing care and monitoring, which can be complex and time-consuming for both patients and healthcare providers.

accurately monitoring the state of active wounds. Current methods may not provide reliable or real-time data on wound conditions, making it difficult for healthcare professionals to assess healing progress and make informed treatment decisions.

potentially impact healing outcomes for patients with chronic wounds. Inconsistent monitoring practices may result in delayed or inadequate treatment, leading to prolonged healing times or increased risk of complications.

The Research Enterprise

Preliminary studies involve improving existing 3D reconstruction models, developing datasets, and realizing ML-driven classification. Risks and alternative strategies are considered at each step.



Our research strategy focuses on addressing the clinical and engineering relevance of effectively managing chronic wounds, highlighting the lack of a consistent standard for monitoring wound conditions and the potential impact on healing outcomes, treatment policies, and financial/health-associated repercussions. Incorporating realistic effects into 3D reconstruction models, developing comprehensive datasets, and realizing ML-driven accurate classification are key innovations. Systematic compilation of 3D scan information and cost-effective, accessible solutions are crucial clinical aspects. Ensuring consistency in measurements, scalability, and intuitive interfaces are essential engineering aspects.

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Meet the team



ABC

Project Manager with
over 10 years of
experience.



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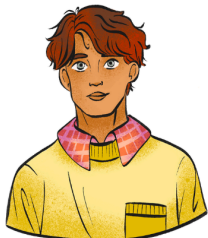
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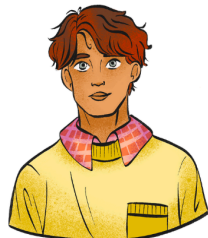
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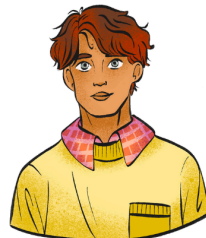
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