



MIMOSA

MULTISPECTRAL IMAGING IN WOUND CARE

Diabetes and Peripheral Vascular Disease (PVD) continue to be a growing epidemic globally, universally placing enormous economic toll on national healthcare systems. With new emerging medical technologies like MIMOSA Pro, however, there is the potential to diagnosis & treat these conditions much earlier before the development of detrimental complications.



The Problem



Globally 425 million people worldwide have diabetes



25% of patients with diabetes will develop a foot ulcer



1 year Post Amputation = 30% mortality



10% of Global Healthcare expenditure is spend on diabetes

= USD \$760 BILLION



Medical costs for US management of diabetic foot disease

= USD \$11 BILLION



Average US annual expenditure of diabetic foot care

= \$8,659/PATIENT

Most patients with diabetic foot ulcers (DFUs) and poorly healing lower extremity wounds should also undergo a thorough noninvasive vascular evaluation. But this often does not occur prior to more catastrophic consequences like a foot wound or amputation. It is essential to obtain a formal vascular consultation with at least an ankle brachial index (ABI) and a duplex arterial ultrasound being included. However, patients with advanced vascular complications can have false or spurious results, so these techniques are not full proof and a more comprehensive assessment should be considered. Such rigorous vascular assessment is more appropriate at an earlier stage to prevent complications arising in the first place.

Multispectral Imaging

MIMOSA Pro is a handheld device that uses near-infrared light to accurately and non-invasively assess tissue health. It can be easily used by a patient or a caregiver, and the images produced will help inform the next steps within patient navigation and management (e.g. you need to see a podiatrist, or a vascular surgeon to help with the blood flow, or you may need more urgent treatment to prevent severe complications like limb loss).



EASE OF USE

Portable and lightweight technology fits easily into your workflow. Both doctors and nurses can use it!

SAFE / NO - TOUCH

Non-invasive and COVID safe with no injectable dyes resulting in zero patient contact.

ACCURATE

Precise visualization of oxygen saturation for faster assessments and healing trajectory predictions.

ANY SKIN TONE

40% Global Population is NOT Caucasian. Built in control for skin melanin content. Overcomes systemic racial bias in healthcare.

ANY HEALTH SETTING

Portability and miniaturization permits utility in any healthcare setting directly by the patients side.

INSIGHT

Tissue health is determined by expert clinicians based on vascularity and oxygenation. Delays or lack of understanding of tissue health can lead to wounds, amputation, or even death.

RISK PROFILE

A means to track and document patient progress to improve clinical outcomes and mitigate risks early.



With more accurate monitoring and early diagnosis, patients are getting better treatment, and as a result the amputation rates can be reduced dramatically. Not only can this approach save limbs, but rather lives. This emerging assessment and diagnostic tool will have huge impact in the management of patients with compromised vasculature. MIMOSA Pro is going to change the way in which many of these patients are managed.