

ACQUISITION OPPORTUNITY

DIABETES CARE – MEDICAL DEVICE FOR TISSUE OXIMETRY



The Company

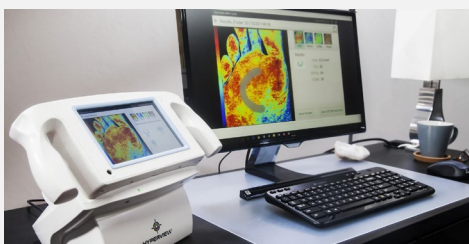
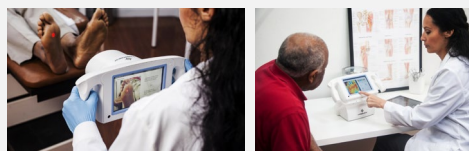
- HyperMed Imaging, Inc. based in Greenwich, CT and Memphis, TN, USA
- Pioneer in hyperspectral imaging for tissue oximetry
- Fully developed products with FDA 510(k) cleared status
- Seminal/strong intellectual property portfolio
- More information on the Company can be found on HyperMed.com

The Offering

- Product designs and specifications
- Comprehensive documentation
- FDA 510(k) approval
- All product source code
- 24 patent families, 62 assets Worldwide
- Significant knowhow including test reports
- Global Trademarks
- Experienced management team
- Complete supply chain and processes

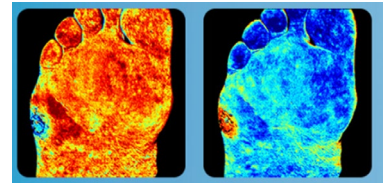
Product Medical Applications

- Diabetes
- Peripheral arterial disease
- Decubitus ulcers
- Neuropathy
- Wound management
- Dermal burns



The Opportunity

Blackhawk Technologies, LLC is exclusively representing HyperMed Imaging Inc. (the "Company") to monetize its' assets related to a Medical Device for Tissue Oximetry for Diabetes Care. The offering includes an FDA cleared product used by clinicians and backed by 24 patent families comprising of 62 total assets.



The Company's pioneering technology has been in service since 2006 and has been validated in third-party published papers that assessed oxyhemoglobin, deoxyhemoglobin, and oxyhemoglobin saturation in superficial tissue for diabetic patients. The Company's FDA 510(k) cleared product, HyperView™, quickly determines levels of oxyhemoglobin, deoxyhemoglobin and oxygen saturation in superficial tissue in a small and portable configuration.

The Company seeks a strategic acquirer/licensee with both resources and channels to fully commercialize Company's IP assets.

The Unmet Medical Need

Most medical exams need quick and accurate determination of superficial tissue oxygenation. For example, complications in diabetes and/or peripheral arterial disease increases risk of lower limb ischemia, chronic wounds, amputation or even death.

- Over 420 million people worldwide (1 in 11 people) have diabetes and the number is increasing rapidly.
- More than 29 million Americans have diabetes. Another 86 million have prediabetes, which is 1 in 3 US adults.
- 8.5 million Americans have peripheral arterial disease and among them nearly 2 million people in the USA are living with limb loss.
- The main causes are vascular disease (54%), including diabetes and peripheral arterial disease.
- Approximately 185,000 amputations occur in the United States each year, costing over \$8 billion.
- People with diabetes are at greater risk for severe peripheral arterial disease and are five times more likely to require an amputation.
- It is estimated that a lower limb is amputated due to diabetes every 20 seconds worldwide.

Hyperspectral Imaging Benefits

- Non-contact color-coded images depicting concentrations of oxyhemoglobin & deoxyhemoglobin, and oxygen saturation without injectable contrast agents.
- Readings are predictive of wound healing and can be used in screening for peripheral vascular disease.
- Software tools allow clinicians to analyze specified areas within the image to localize ischemic tissue.
- Offers improved patient care with speed, ease of use, and clinical efficiency without injectable contrast or physical contact of the device with the patient.
- Safe, using visible light and spectrometer imaging to quantify light absorption in hemoglobin molecules for rapid analysis without leaving the exam room.



IP Portfolio

Patent Family	Patent Number	Title
1	US 8224425 B2	Hyperspectral imaging in diabetes and peripheral vascular disease
2	US 8320996 B2	Medical hyperspectral imaging for evaluation of tissue and tumor
2	US 9204805 B2	Medical hyperspectral imaging for evaluation of tissue and tumor
2	US 9795303 B2	Medical hyperspectral imaging for evaluation of tissue and tumor
2	US 10117582 B2	Medical hyperspectral imaging for evaluation of tissue and tumor
3	US 8374682 B2	Hyperspectral imaging in diabetes and peripheral vascular disease
3	US 8655433 B2	Hyperspectral imaging in diabetes and peripheral vascular disease
3	US 10779773 B2	Hyperspectral imaging in diabetes and peripheral vascular disease
4	US 8548570 B2	Hyperspectral imaging of angiogenesis
4	US 9345428 B2	Hyperspectral imaging of angiogenesis
4	US 10321869 B2	Systems and methods for combining hyperspectral images with color images
5	US 10028676 B2	Hyperspectral technology for assessing and treating diabetic foot and tissue disease
6	US 9078619 B2	Hyperspectral/multispectral imaging in determination, assessment and monitoring of systemic physiology and shock
7	US 9107624 B2	Methods and computer readable storage media for hyperspectral or multispectral imaging of multiple wavelengths
7	US 9354115 B2	Methods and apparatus for coaxial imaging of multiple wavelengths
7	US 10448836 B2	Methods and apparatus for coaxial imaging of multiple wavelengths
8	US 9326715 B1	OxyVu-1 hyperspectral tissue oxygenation (HTO) measurement system
9	US 9480424 B2	Systems and methods for measuring tissue oxygenation
10	US 9526427 B2	Compact light sensors with symmetrical lighting
11	US 9619883 B2	Systems and methods for evaluating hyperspectral imaging data using a two layer media model of human tissue
12	US 10010278 B2	Systems and methods for measuring tissue oxygenation
12	US 10470694 B2	Systems and methods for measuring tissue oxygenation
12	CA2979384	Systems and methods for measuring tissue oxygenation
12	DE60217008006.3	Systems and methods for measuring tissue oxygenation
12	EP3298963	Systems and methods for measuring tissue oxygenation
12	FR3298963	Systems and methods for measuring tissue oxygenation
12	HK1251431B	Systems and methods for measuring tissue oxygenation
12	JP 6353145 B2	Systems and methods for measuring tissue oxygenation
12	UK3298963	Systems and methods for measuring tissue oxygenation



IP Portfolio (*continued*)

Patent Family	Patent Number	Title
13	US 9648254 B2	Compact light sensor
13	US 9746377 B2	Compact light sensor
13	US 10205892 B2	Compact light sensor
13	US 10652481 B2	Compact light sensor
13	US 11159750 B2	Compact light sensor
13	US 20220159200A1	Compact light sensor
13	CA2943502C	Compact light sensor
13	DE602015041690.2	Compact optical sensor
13	EP3120122B1	Compact light sensor
13	FR3120122	Compact light sensor
13	HK1234822	Compact light sensor
13	JP6393440B1	Compact optical sensor
13	UK3120122	Compact light sensor
14	US 10646109 B1	Device and method of balloon endoscopy
15	US 10798310 B2	Hyperspectral imager coupled with indicator molecule tracking
16	US 10900835 B2	Hyperspectral imaging method and device
16	US 11686618 B2	Hyperspectral imaging method and device
16	CA3112470A1	Hyperspectral imaging method and device
17	US 10921186 B2	Methods and apparatus for imaging discrete wavelength bands using a mobile device
17	US 11346714 B2	Methods and apparatus for imaging discrete wavelength bands using a mobile device
18	US 8644911 B1	OxyVu-1 hyperspectral tissue oxygenation (HTO) measurement system
18	US 9770173 B2	OxyVu-1 hyperspectral tissue oxygenation (HTO) measurement system
18	US 11026582 B2	OxyVu-1 hyperspectral tissue oxygenation (HTO) measurement system
19	US 9655519 B2	Systems and methods for performing an imaging test under constrained conditions
19	US 11399716 B2	Systems and methods for performing an imaging test under constrained conditions
20	EP1931262B1	Disposable calibration-fiducial mark for hyperspectral imaging
21	EP2271901B1	Miniaturized multi-spectral imager for real-time tissue oxygenation measurement
22	US 9883833B2	Systems and methods for hyperspectral medical imaging using real-time projection of spectral information
22	US11013456B2	Systems and methods for hyperspectral medical imaging using real-time projection of spectral information
23	US10560643B2	Systems and methods for hyperspectral imaging
24	US D758468 S	Casing for a portable imager
24	US D835698 S	Casing for a portable imager
24	CA162938S	Casing for a portable imager

