

NEWS RELEASE

FOR IMMEDIATE RELEASE



Initial Research Shows Glucose Levels May Be Measured Painlessly with Light in the Eye

Freedom Meditech technology successfully tested in pre-clinical trial

PITTSBURGH, PA (October 13, 2009) – New non-invasive technology designed to painlessly measure glucose levels in the human eye shows promise of one day replacing the finger-stick blood test, according to results of a pre-clinical study funded by Freedom Meditech, Inc.

The study, involving rabbits, showed that the eye-scanning technology produced non-invasive, *in-vivo* glucose measurements that tracked blood glucose readings with only a five minute delay. In addition, through a calibration and validation analysis, the mean absolute percent error for glucose prediction was below 13%, as compared to an estimated 32% error commonly derived from the finger stick blood test. The results of the study were presented at the Biomedical Engineering Society's 2009 Annual Fall Scientific Meeting. The study was conducted by Anthony J. Webb, Rui Zheng, and Brent D. Cameron of the Department of Bioengineering at the University of Toledo.

“We are very encouraged by the results of this early-stage study and plan to move forward with additional animal studies and present the results to the U.S. Food and Drug Administration, in anticipation of human clinical studies,” said Craig Misrach, President and CEO of Freedom Meditech. “We believe that the human eye represents an ideal point of access for the monitoring of bodily glucose without the interferences commonly present in other non-invasive glucose measurement approaches. Our technology is a powerful, and potentially highly useful, means to detect and manage diabetes and presents a large and growing market opportunity.”

Future Freedom Meditech Events

Mr. Misrach will present the company at 2:00 p.m. Tuesday, October 13 at the [AdvaMed 2009 MedTech Conference in Washington, D.C.](#) The company was chosen as one of the leading U.S. emerging medical technology companies. Additionally, Freedom Meditech's novel non-invasive eye-scanning diabetes detection technology will be featured in the “What's New - Living on the Edge” Symposium at 12:15 p.m. on Sunday, October 25, 2009 at the [American Academy of Ophthalmology annual meeting in San Francisco.](#)

About Freedom Meditech, Inc.

Freedom Meditech, Inc. is a developmental stage medical device company currently focused on the commercialization of novel technologies for the management of diabetes. The company is currently developing a patented, non-invasive ocular glucose measurement device that could provide an alternative to the current finger prick method of diabetes blood sugar measurement and monitoring. The consumer-ready product is planned to operate like binoculars with light being shined on one eye for less than a second and having a digital glucose reading displayed on the device. The company is also pursuing the commercialization of a non-invasive ophthalmic diabetes screening device for use by eyecare professionals. The company maintains primary research and development operations throughout Ohio with supporting corporate and engineering activities in San Diego, CA. The company is currently seeking to fulfill an \$8 million B-round of preferred stock financing. For more information, visit www.freedom-meditech.com.

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