

Pressure sensing added to Zenascope, 1/14

January 2014—Zenalex Biomedical has improved measurement reproducibility in its Zenascope system by adding pressure-sensing capability to its optical probe. The system now allows users to dial in a target pressure for each measurement via the user interface. After probe-to-tissue contact is made, the user interface monitors pressure feedback from the tip of the optical probe, facilitating data collection at the desired contact pressure.

The Zenascope PC1, an ultraviolet-visible spectrometer that achieves quantitative optical spectroscopy in turbid media, uses standard spectroscopic measurement hardware, proprietary software, and patented algorithms to achieve rapid, quantitative, and nondestructive analysis of biological tissue characteristics (biomarkers) that reflect the underlying function and composition of biological tissue.

The Zenascope has been proven to effectively measure significant endpoints in biological tissue, including hemoglobin concentration, oxygen saturation, cell density, and other endpoints of interest that absorb white light. The company's research partners are working on applications involving detection of cancer and monitoring response to therapy.

For investigational purposes only.

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