

## Michelson Diagnostics Introduces VivoTools™ Image Analysis Software for the VivoSight™ Optical Coherence Tomography System.

**Maidstone, UK - August 3<sup>rd</sup>, 2020:**

Michelson Diagnostics Ltd. is proud to announce the launch of VivoTools, an advanced software suite for the analysis of VivoSight Dx OCT images.

VivoSight Dx is the world's leading Optical Coherence Tomography (OCT) skin imaging system which can see over 1 mm deep into the skin to produce images of skin structural elements, vascularity and pathology.

VivoTools then applies proprietary measurement algorithms to quantify the present skin status and effects of skin treatments providing an objective determination of efficacy.

*"In an effort to address ongoing customer needs for added measurement and efficiency capabilities, we have made a couple of significant advances to our image analysis software, resulting in the debut of a new brand, called VivoTools,"* said Jon Holmes, CEO & President of Michelson Diagnostics. *"The added capabilities include an analysis of epidermal characteristics, as well as the ability to process any number of scans as a batch with the push of a button."*

VivoTools automatically analyzes VivoSight images and provides a broad range of measurements and capabilities including:

- **Changes in the epidermis:** Including the mean epidermal thickness, the variability of epidermal thickness, the surface reflectivity (shininess), and the contrast of epidermis OCT signal versus the dermis.
- **Changes in the blood vessels expression:** Measure the density of vessels *by depth* in the dermis. Detect and profile changes that may not be clinically evident.
- **Changes in skin surface roughness:** Obtain measurements of skin surface roughness, including average roughness and peak to trough.
- **Changes in the optical attenuation coefficient:** Detect changes in the amount of optical scattering and absorption which is a proxy measure for collagen density and structure.
- **Perform automated batch processing of OCT data:** VivoTools can process large numbers of OCT scans to automatically produce the above data, saving time and increasing your research efficiency.
- **Produce images for research outputs:** Export OCT images and analyses for use in reports, presentations and publications.

*"Michelson Diagnostics will continue to advance our hardware and software technology to provide the best possible information to better serve our customers in both the research and clinical setting,"* Holmes went on to say, *"and we believe VivoTools offers our customers the ability to supercharge VivoSight imaging, analysis, presentation and efficiency."*

**About Michelson Diagnostics' VivoSight OCT scanner**

Michelson Diagnostics' innovative VivoSight Dx OCT scanner has FDA 510(k) clearance for use by trained clinicians for scanning skin lesions as an aid to assessing the patient's condition. Using novel patented laser optics in an easy to use hand-held probe, it provides real-time, high-resolution subsurface images of skin tissue that reveal valuable information useful to the dermatologist.

**About Michelson Diagnostics (<https://us.vivosight.com>)**

Michelson Diagnostics is headquartered in Maidstone, UK, and has sales and support subsidiaries in Germany and in California, USA. Founded in 2006 by Jon Holmes and colleagues, Michelson Diagnostics designs, manufactures and supports highly innovative imaging instruments using multi-beam optical coherence tomography technology. Michelson Diagnostics is the world's leading supplier of Optical Coherence Technology (OCT) devices for dermatology, and operates globally with agents in other countries including China and Australia.

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