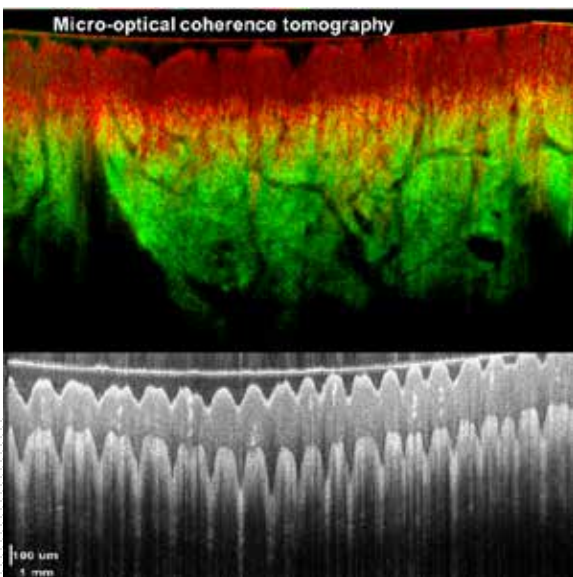


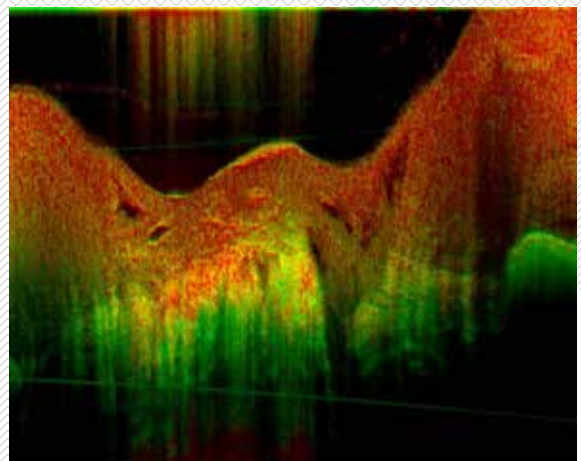
Technology Overview

- § Micro-Optical Coherence Tomography (μ OCT) provides noninvasive, label-free and cellular resolution, 3D images of skin in real-time
- § Addresses the need for a noninvasive acquisition of high-resolution histological information over a large skin or tissue area
- § The unique functional capabilities of collagen fiber and blood vessel detection make it an ideal tool to assist skin disease diagnosis and evaluation of skin care strategies



Technology Features

- § Ultrahigh resolution ($\sim 1.5 \mu\text{m}$ in skin)
- § Unique collagen fiber imaging capability based on intrinsic color
- § Handheld dermatoscope for clinical use
- § Scanning range up to 10 mm x 10 mm with a speed of 13 seconds per volume



We develop and validate of non-invasive, cellular and sub-cellular resolution, natural color contrast imaging methods for disease diagnosis and life science research.

Benefits

- § Able to provide histology-like images in human noninvasively, such as intracellular extracellular structural and functional details
- § Reduce the number of biopsies and patient burden
- § Improve the outcome of disease management by noninvasive, large area screening/surveillance

Potential Applications

- § Skin care product evaluation and skin aging evaluation
- § Skin disease diagnosis
- § Anterior segment ocular imaging and disease diagnosis
- § Scientific research tool

