

Micro-OCT Lets Docs Spot Tumors Below Tissue Surface

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A collaboration between researchers at Nanyang Technological University, Harvard Medical School, and University of Alabama has led to the development of a prototype device capable of imaging through tissues at resolutions down to 1 micrometer (μm). The micro-OCT imager takes advantage of optical coherence tomography (OCT) at wavelengths between 700 and 950 nanometers. At these wavelengths, the near-infrared light can penetrate a few millimeters below the skin, as well as other soft tissues, to elucidate the structure of individual cells below.