Confocal reflectance imaging of folliculitis in vivo: correlation with routine histology.


ABSTRACT

Near-infrared confocal reflectance microscopy (CM) is a high-resolution, non-invasive imaging technique with promising future in dermatology.

A pustular lesion from a 35-year-old male with a known history of folliculitis was non-invasively viewed with CM and later biopsied.

Optical sections were correlated with routine histology. This optical technique allows us to view non-invasively transverse skin sections to a controlled depth in real time. In the CM images, tissue can be visualized with cellular and subcellular detail as shown by imaging infiltrating neutrophils (PMNs) within the subcorneal pustule of a superficial folliculitis in vivo.