Reflectance Confocal Microscopy Features of Plaque Psoriasis Overlap With Horizontal Histopathological Sections: A Case Series.


ABSTRACT
Reflectance confocal microscopy (RCM) displays horizontal, en face tissue sections of the epidermis and upper dermis, and interpretation of its features is classically based on the comparison with vertical conventional histopathological sections that, as known, do not reflect the same plane of observation. In 10 patients affected by psoriasis, we correlated RCM images with horizontal histopathological sections from skin biopsies, observing in all cases marked overlaps between the 2 techniques. Although vertical section examination remains the gold standard for the diagnosis of psoriasis, this novel comparative approach may contribute to a more precise definition of RCM findings and could represent the drive for further research as well as an innovative tool for educational purposes.

PMID: 30640760 DOI: 10.1097/DAD.0000000000001297