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Changing Paradigms in Dermatology: New Ways to Examine the Skin Using Noninvasive Imaging Methods

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ABSTRACT

Detailed visualization of the skin in the practice of dermatology is key to a comprehensive examination and accurate diagnosis. Advancements in digital dermoscopy, microscopy, imaging and photography have formed an impressive arsenal with which dermatologists can offer state-of-the-art patient care while streamlining their clinical practice and improving their academic and research capacities. Many types of advanced imaging are used in the biologic sciences at the bench; however, our paper reviews the clinical, noninvasive in vivo human applications of these emerging technologies. Our experiences with these instruments reinforce such reviews.