

Noninvasive real time imaging of mite skin infestations with line field confocal optical coherence tomography

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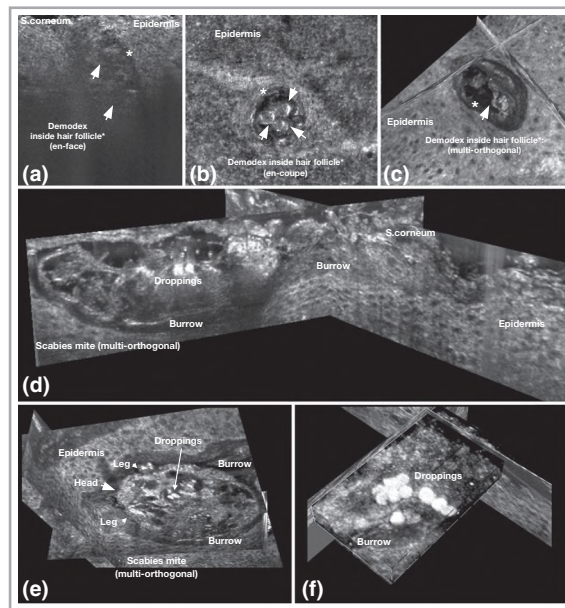
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Dear Editor, Dermatologists treat several types of mites. Diagnosis is based on clinical features, dermoscopy and skin scraping. Besides reflectance confocal microscopy,¹ a new diagnostic imaging device, line-field confocal optical coherence tomography (LC-OCT),² provides real-time and bedside visualization of *Demodex* (a–c) and scabies mites (d–f) inside human skin. Multiview images show the locations in *en face*, vertical and multiorthogonal views. Observed features show *Demodex* bodies as round hyper-reflective structures inside the hair follicles (a–c) and scabies mite bodies as ovoid structures inside the dark burrows with hyper-reflective droppings (d–f). LC-OCT imaging allows quick diagnosis of cutaneous mite infestation and therapeutic follow-up.

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