

## Medical > In Vivo > Other material

# 20

**Acquired anhidrosis associated with systemic sarcoidosis: Quantification of nerve fibers around eccrine glands by confocal microscopy.**

*Nishida M, Namiki T, Sone Y, Hashimoto T, Tokoro S, Hanafusa T, Yokozeki H. Br J Dermatol. 2017 Aug 10. doi: 10.1111/bjd.15880*

### **ABSTRACT**

Neurological disorders can cause hypohidrosis and/or anhidrosis by disturbing either the central or the peripheral nervous systems.<sup>1-3</sup> Although a syringotropic variant of cutaneous sarcoidosis causes dysfunction of sweating, systemic sarcoidosis rarely causes hypohidrosis or anhidrosis.<sup>4,5</sup> Here we present a novel case of an acquired anhidrosis in a patient with systemic sarcoidosis. Furthermore, we developed a novel methodology to quantify nerve fibers around eccrine glands using confocal microscopy and found that nerve fibers around eccrine glands in anhidrotic areas are significantly decreased compared to hidrotic areas. This article is protected by copyright. All rights reserved. This article is protected by copyright. All rights reserved. KEYWORDS: PGP9.5; acquired anhidrosis; confocal microscopy; nerve fiber; systemic sarcoidosis PMID: 28796884 DOI: 10.1111/bjd.15880