

〈教育セミナー〉

アクセサリオーガンとオーラルケアの化粧品学～エチケットのサイエンス～

発汗の機序と発汗異常を伴う疾患

横関博雄

The Mechanism of Perspiration and Skin Diseases with Dyshidrosis

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Abstract

Generalized eccrine sweating is the physiologic response to an increased body temperature during physical exercise or thermal stress and is the most effective means by which humans regulates their body temperature through evaporative heat loss. Failure of this mechanism can lead to heat exhaustion, heat stroke, hyperthermia, and death. Exaggerated local or systemic response (hyperhidrosis) are a nuisance that may impair social and occupational activities. In this chapter, the anatomy, cell biology and function of eccrine or apocrine sweat glands are described and the pathogenesis, diagnosis and treatments of hypohidrosis or hyperhidrosis are also demonstrated.

Key words: sweat, eccrine sweat gland, apocrine sweat gland, hyperhidrosis, hypohidrosis.