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### The relationship between Kuchofuku<sup>®</sup> and body temperature in X-linked anhidrotic ectodermal dysplasia

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**Abstract** X-linked anhidrotic (hidrotic) ectodermal dysplasia (EDA) is characterized by absence or the deficient functions of hair, teeth and sweat glands. The temperature adjustment of EDA is difficult in the state of the high temperature. We investigated whether this air-conditioning clothing (Kuchofuku<sup>®</sup>) was effective to the patient with EDA. It was revealed that the patient's body surface and deep body temperatures rose in spite of gentle exercise without air-conditioning clothing, and that when they used it, although their deep body temperature slightly rose during exercise, their body surface temperature did not rise. It also suggested that, not only patients with EDA, but also the people who have trouble in perspiration can widen their sphere of daily activities by using it.

**Key words** Body temperature, Kuchofuku<sup>®</sup>, X-linked anhidrotic ectodermal dysplasia

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