Horner’s Syndrome with a Sensation of Warmth Due to Hypohidrosis

Manabu Higaki, Manabu Ishida, Yasuo Nakamoto and Takeshi Saraya

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A 63-year-old man came to our hospital with chief complaints of ptosis of the right eye lid and decreased sweating in the right upper limb and face lasting for three months. A physical examination revealed right myosis and ptosis and/or hypohidrosis in the right hemithorax, suggesting Horner’s syndrome. A chest X-ray and thoracic computed tomography (Picture A, B) showed a large mass measuring 6.5 cm in the right apical area and paravertebral space (T1 to T4). Subsequently, the patient was diagnosed with squamous lung cancer cT4N3M1b (Stage IV). The starch-iodine technique (1) confirmed localized hypohidrosis in the right forehead (Picture C, faint black color) compared to that observed in the left forehead (Picture C, dense black color). Dermal thermography (Picture D) demonstrated an increased body surface temperature in the right hand, which corresponded to the hypohidrotic area. A sensation of warmth associated with hypohidrosis (2) may therefore be a clinical clue for making a diagnosis of diseases causing sympathetic nerve interruption.

The authors state that they have no Conflict of Interest (COI).

References
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