

SKIN CANCER (OTHER THAN MELANOMA)

A RARE CASE OF WOLF'S ISOTOPIC RESPONSE: LICHEN SCLEROSIS ET ATROPHICUS COMBINED WITH SYRINGOID ECCRINE CARCINOMA

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Background: Wolf's isotopic response refers to the appearance of two subsequent unrelated dermatoses in the same anatomic location. The most common isotopic reactions are granulomatous reactions, psoriasis, lichenoid dermatosis or malignant infiltrates. It has been suggested that local immune dysregulation following a certain stimulus may cause the disease. We report the case occurred lichen sclerosis et atrophicus combined with syringoid eccrine carcinoma after the shingles healed.

Observation: A 61-year-old woman presented with painful vesicles and blisters on the right side of her back for 20 days. While she suffered from herpes zoster on the same plaque 6 years ago, then some hypomelanotic atrophic macules developed on this area. Physical examination revealed a well-circumscribed, depigmented, atrophic plaque, forming irregular bulla and hemorrhagic vesicle in the center. A subcutaneous nodule about pollex were found on the right side of lesions. The initial clinical impression was contact dermatitis, thinking about external application of traditional Chinese medicine previously. But she's not responding to antianaphylaxis treatment. A skin biopsy showed that some of the tumor nests were arranged in trabeculae and the others differentiated into sweat gland in the dermis. There were proliferative and glass-like changed connective tissues in the tumor, meanwhile combined with lichen sclerosis et atrophicus. The specimen of local extended resection confirmed to be derived from cutaneous appendages. Immunohistochemical analysis showed bilayer structure in glands and immunoreactivity with SMA, P63, CK5/6, S100 protein, β -catenin and CK7. The diagnosis of syringoid eccrine carcinoma should be considered, based on the infiltrative growth pattern.

Key message: Lichen sclerosis et atrophicus combined with bulla, following with syringoid eccrine carcinoma after the shingles healed is pretty rare, which hasn't been reported in the literature.