



DERMATOPATHOLOGY

INTRALYMPHATIC HISTIOCYTOSIS ASSOCIATED WITH OSTEOARTHRITIS

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Background: Intralymphatic histiocytosis (ILH) is a rare cutaneous condition. It is characterized by the presence of dilated lymphatic vessels containing aggregates of histiocytes within their lumina. Although the etiology of ILH remains unknown, it commonly occurred with rheumatoid arthritis (RA), metal joint implants and malignancy. However, ILH associated with osteoarthritis (OA) has been reported very rarely.

Observation: An 83-year-old woman visited our clinic complaining of asymptomatic erythematous to pinkish patch on left elbow 6-months ago. She was diagnosed with OA and the lesion was located on the vicinity of the affected joint. Skin biopsy from the lesion showed dilated dermal vessels, some of them containing aggregation of histiocyte within their lumina. Immunohistochemically, the aggregated histiocytes were positive for CD68 and the most dilated vessels were positive for D2-40, a selective marker for lymphatic endothelium. Based on the clinical and histopathological findings, the diagnosis of ILH associated with OA was made. She was treated with intralesional triamcinolone acetonide injection (5mg/cc) and the skin lesion gradually improved.

Key message: We herein report a rare case of ILH overlapping and adjacent to the elbow with degenerative osteoarthritis. This case report might aid clinicians to consider ILH, a rare entity, when the skin lesion around the joints suffering arthritis have persistent.

Keywords: Intralymphatic histiocytosis, osteoarthritis

