Primary cutaneous small-to-medium-sized CD4+ T-cell lymphoma with a granulomatous component

Linfoma cutáneo primario T CD4+ de célula pequeña/mediana, granulomatoso

To the Editor:

We describe a patient with primary cutaneous small-to-medium-sized CD4+ T-cell lymphoma, according to the most recent World Health Organization (WHO) classification of cutaneous lymphomas.1 This lymphoma, previously known as primary cutaneous small-to-medium-sized pleomorphic CD4+ T-cell lymphoma,1 has a low incidence and good prognosis. The interest in the case presented in this report derives from a substantial granulomatous component in the clinical-pathological study and the self-healing nature of the lesion. We discuss the possibility of a relationship between these 2 characteristics.

The patient was a 32-year-old woman with no clinical history of relevance who attended the clinic in December, 2012, due to a cutaneous lesion on the right breast related to an insect bite 3 months earlier. The lesion consisted of an itchy erythematous nodule measuring 2 cm in diameter with a smooth surface (Fig. 1). Biopsy showed a dense and diffuse infiltrate that occupied the entire thickness of the dermis, composed of small and medium sized cells alongside some eosinophils (Fig. 1). Epidermotropism was scarce. Abundant histiocytes and multinucleated giant cells were also observed, forming granulomatous aggregates (Fig. 2), inter-spersed with lymphoid proliferation. Immunohistochemistry showed CD3+ and CD4+ cells that were however negative for CD8 and CD30 (Fig. 3). Molecular study of the λ chain of the T-cell receptor showed monoclonal rearrangement, and so the patient was diagnosed with primary cutaneous granulomatous small-to-medium sized CD4+ T-cell lymphoma. An

Figure 1  Clinical images of the lesion. A, At the first visit. B, 2 months later, with self-resolution. Histological appearance of the biopsies corresponding to the clinical images immediately above, with partial reduction of the tumor infiltrate in the second of them. C, Hematoxylin-eosin (H-E), x40. D, H-E, x400.
extension study was conducted, including study with lymphoid subpopulations, LDH, β2-microglobulin, and positron emission tomography-computed tomography, with normal results. Surgical resection was proposed. On the day of surgery, 2 months later, the nodule had disappeared to leave a residual erythematous macule (Fig. 1). Excision biopsy of the lesion showed a considerable reduction in lymphoid infiltrate, but this remained positive for CD20, CD3, and CD68, with predominance of CD4 over CD8; the infiltrate was negative for CD30. The same monoclonal pattern persisted.

The patient is still in follow-up in our department and is disease free after 2 years.

Primary cutaneous small-to-medium-sized CD4+ T-cell lymphoma is a rare T-cell lymphoid proliferation that usually presents as a single lesion on the head or trunk and whose histology findings coincide with the case described.\textsuperscript{2,3} Prognosis is good, with 5-year survival of 80%, with good response to chemotherapy or surgery. In aggressive cases, with multiple lesions, polychemotherapy such as CHOP is used.

The association of cutaneous lymphoma and granuloma is rare although well known. The presence of lymphoma and granuloma in biopsy can lead to erroneous diagnosis and enable the disease to progress undetected for months.\textsuperscript{4}

In the literature review, this phenomenon occurs most frequently in mycosis fungoides and its clinical variant granulomatous slack skin,\textsuperscript{5} but there have also been isolated reports in Sézary syndrome,\textsuperscript{6,7} anaplastic CD30+ lymphoma,\textsuperscript{8} panniculitis-type T lymphoma,\textsuperscript{9} follicle center lymphoma,\textsuperscript{6} and in 4 cases of primary cutaneous small-to-medium-sized CD4+ T-cell lymphoma.\textsuperscript{8} A lymphoma is considered granulomatous when the granulomas occupy at least 25% of the infiltrate.\textsuperscript{9} This finding occurs in 1.8% of all cutaneous lymphomas.

It is not known whether the granuloma occurs as an immune response of the host to tumor cells or as a result of cytokine release, contributing to better prognosis.
Intradermal Lipoblastoma-Like Tumor of the Lip in an Adult Woman

Lipoblastoma intradérmico tumor tipo en el labio de una mujer adulta

Dear Editor:

Lipoblastoma is a benign adipocytic tumor consisting of lobulated, immature white fat cells with a prominent capillary pattern and, frequently, a focal myxoid matrix. The tumor can be localized or diffuse, occurs predominantly in infancy and early childhood, and affects patients aged 5 years or younger in 84% of cases. Nevertheless, rare cases have been reported in adolescents and adults. Most lipoblastomas are subcutaneous lesions affecting the arms and legs, and they are more common in male patients.

We report the case of a distinctive mesenchymal neoplasm of the lip showing adipocytic differentiation in an adult woman. We consider that this tumor is akin to infantile lipoblastoma. As far as we are aware, only 1 such lesion has been previously reported.

A 36-year-old woman presented with a history of a small asymptomatic, pigmented, raised nodule on the vermilion border of the lower lip that had been present for about 9 months. The patient had not undergone lip piercing, filler injection for lip augmentation, or any other interventions. Her past medical history was not significant for systemic disease. Physical examination revealed a soft, brown-colored, sessile nodule measuring 0.8 x 0.4 cm on the right half of

References


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