Sterile neutrophilic dermatosis is an uncommon skin condition in dogs (Johnson et al, 2009, Gains et al, 2010). In humans, clinical and histopathological lesions might be the consequence of an unusual hypersensitivity reaction to bacterial, viral or tumour antigen (Freedberg et al, 2003).

**CASE 1**

A 3-year-old female Cocker spaniel was exhibited for lameness, fever and generalized intense pain. Two days after the onset of general signs, dermatological signs appeared and were characterized by a sudden erythematous, purpuric and pustular rash, involving the face, legs and feet (Figs 1-4). None extracutaneous disease preceding the cutaneous eruption was reported, but a severe leukocytosis with absolute neutrophilia was noticed.

Histopathological findings (Figs 5-8) revealed a diffuse neutrophilic dermatitis with a heavy infiltrate of mature neutrophils throughout the dermis and even in the subcutis and variable multifocal leukocytoclasia without true vasculitic lesions. There was marked edema of the superficial dermis, leading to subepidermal edema of the superficial dermis, leading to subepidermal infiltrate of mature neutrophils throughout the dermis by normal neutrophils.

The overlying epidermis was either hyperacanthotic and ulcerated. The infiltrate extended to the panniculus. Some follicular pustules were ruptured and ulcerated the epidermis. The infiltrate contains a prominent component of eosinophils. In both cases, these criterias allowed us to diagnose a sterile neutrophilic dermatitis resembling Sweet's syndrome.

**DISCUSSION**

Sweet's syndrome is a rare human skin condition characterised by four criterias such as fever, sudden onset of cutaneous signs like plaques, painful nodules, neutrophilic leukocytosis and infiltration of the dermis by normal neutrophils.

In both cases, these criterias allowed us to diagnose a sterile neutrophilic dermatitis resembling Sweet's syndrome.

**REFERENCES**

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