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Secretaría de Desarrollo Agropecuario del Gobierno del Estado de México, Secretaría de Agricultura, Ganadería, Desarrollo Rural,
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A CASE OF A TRICHOBLASTOMA ON A DOMESTIC RABBIT

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ABSTRACT

A case of skin basal cell tumor or trichoblastoma was diagnosed on a domestic 4-year-old, male black dwarf rabbit (*Oryctolagus cuniculus*) based on morphologic and microscopic result. The animal was brought to the Veterinary College by his owner when appeared with a sudden appearance of a grayish nodular subcutaneous mass measuring 3.0 x 2.0 cm and located on left tarsal zone during march 2014. Although basal cell tumors are common in the dog and cat, they are rare in all other domestic animal and, in fact, few reports have been published on cutaneous neoplasms in pet rabbits. Herein, a fine-needle aspiration cytology and histopathology were performed on the ulcerated mass, which was immediately fixed in 10% neutral buffered formalin, embedded in paraffin, sectioned at a thickness of 6 μ m and stained with haematoxylin and eosin (H&E). Needle aspiration showed a population of basophilic epithelial cells with medium vesicular nuclei that exhibit morphology reminiscent of the progenitor cells of the epidermis and adnexa along with no evidence of atypia. Histologic examination revealed an encapsulated, nodular, subcutaneous mass of tumoral nests of basophil isomorphic cells separated by interlaced trabecules of connective tissue stroma and basal membrane structures of heavy eosinophilic stain, that led to a diagnosis of monomorphic basal cell tumor of solid type or trichoblastoma.

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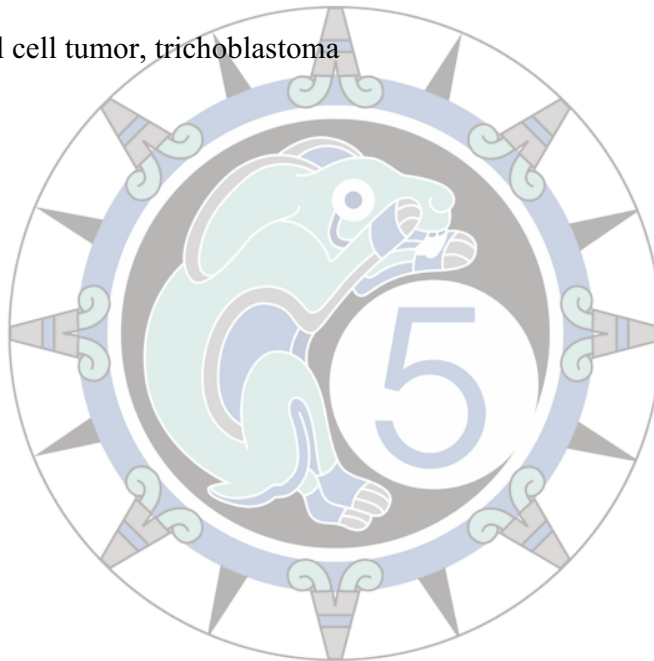
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Replicate serial sections from the paraffin-embedded tissue blocks were eventually prepared for immunostaining. The typical lesion for a trichoblastoma with regard to anatomic location, macroscopic and microscopic features concurred to those described in the literature. After surgical excision, the animal remains healthy. The aim of this study was to enrich the pathological aspects of this poor entity described on rabbits.

Key words: rabbit, basal cell tumor, trichoblastoma



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