Abstract

Clinical, haematological, biochemical, electrophysiological and pathological features of two dogs infected with *Ehrlichia canis* and with concurrent signs of polymyositis are presented. Both dogs had a history of relatively acute onset, progressive tetraparesis, hyporeflexia and generalised muscle wasting. Skeletal muscles were atrophic and characterised histologically by plasmocytic, lymphocytic and immature lymph-oreticular cellular infiltrates with accompanying areas of necrosis. Histopathological similarities between ehrlichiosis and polymyositis are noted and a probable aetiological relationship is inferred.