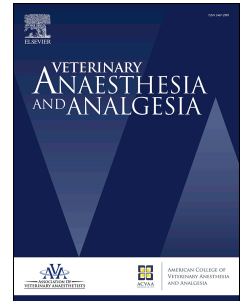


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RESEARCH PAPER

Running head (Author): *CS Meneses et al.*

Running head (short title): Microglia and astrocytes in lame horses

Microglia and astrocyte activation in the spinal cord of lame horses

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Abstract

Objective To determine the microglial and astrocyte response to painful lameness in horses.

Study design Ionized calcium binding adaptor molecule 1 (Iba-1) and glial fibrillary acidic protein (GFAP) expression, cell density and morphology were determined through immunofluorescence within the dorsal horn of equine spinal cord.

Animals Five adult horses with acute or chronic unilateral lameness, previously scheduled for euthanasia.

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