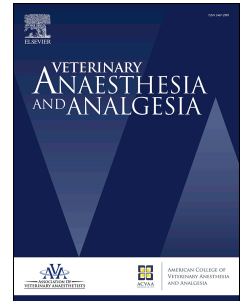


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RESEARCH PAPER

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

Microglia and astrocyte activation in the spinal cord of lame horses

Constanza S Meneses^a, Heine Y Müller^b, Daniel E Herzberg^b, Benjamin Uberti^b, Marianne P Werner^c & Hedio A Bustamante^b

^aGraduate School, Faculty of Veterinary Sciences, Universidade Austral de Chile, Valdivia, Chile

^bVeterinary Clinical Sciences Department, Faculty of Veterinary Sciences, Universidade Austral de Chile, Valdivia, Chile

^cAnimal Science Department, Faculty of Veterinary Sciences, Universidade Austral de Chile, Valdivia, Chile

Correspondence: Hedio A Bustamante, Institute of Veterinary Clinical Sciences, Faculty of Veterinary Sciences, Universidade Austral de Chile, Independencia 631, Valdivia 5090000, Chile.

E-mail: hbustamante@uach.cl

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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