

Accepted Manuscript

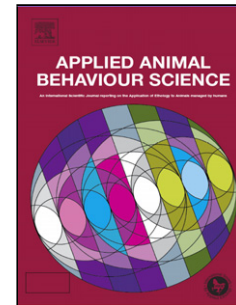
Title: Behavior changes associated with lameness in sows

Authors: Eve Ala-Kurikka, Mari Heinonen, Katja Mustonen, Olli Peltoniemi, Marja Raekallio, Outi Vainio, Anna Valros

PII: S0168-1591(17)30108-9
DOI: <http://dx.doi.org/doi:10.1016/j.applanim.2017.03.017>
Reference: APPLAN 4442

To appear in: *APPLAN*

Received date: 2-11-2016
Revised date: 19-2-2017
Accepted date: 5-3-2017



Please cite this article as: Ala-Kurikka, Eve, Heinonen, Mari, Mustonen, Katja, Peltoniemi, Olli, Raekallio, Marja, Vainio, Outi, Valros, Anna, Behavior changes associated with lameness in sows. *Applied Animal Behaviour Science* <http://dx.doi.org/10.1016/j.applanim.2017.03.017>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Behavior changes associated with lameness in sows

Eve Ala-Kurikka^{a*}, Mari Heinonen^{ab}, Katja Mustonen^b, Olli Peltoniemi^b, Marja Raekallio^c, Outi Vainio^c,
Anna Valros^a

^aResearch Centre for Animal Welfare, Department of Production Animal Medicine, Faculty of Veterinary Medicine, University of Helsinki, PO Box 57, 00014 Helsinki, Finland

^bDepartment of Production Animal Medicine, Faculty of Veterinary Medicine, University of Helsinki, Paroninkuja 20, 04920 Saarentaus, Finland

^cDepartment of Equine and Small Animal Medicine, Faculty of Veterinary Medicine, University of Helsinki, Koetilantie 2, FI-00014 University of Helsinki, Finland

*Corresponding author. Tel.: +358505170845. Email address: eve.ala-kurikka@helsinki.fi.

Highlights

- The study evaluated the effect of lameness on behavior of sows; the study animals comprised 13 pairs of lame and healthy control sows.
- Effect of oral ketoprofen given for 5 days was compared with that of placebo treatment.
- Behavior was assessed by scan sampling prior to and on the last day of treatment.
- Lameness reduced sow activity.
- Relief of lameness after ketoprofen treatment was associated with normalization of the behavior.

Abstract

Lameness is a common health and welfare problem in sows. Very little research has been published about the behavioral changes in lame sows. Ketoprofen is an effective non-steroidal anti-inflammatory drug used in studies and in practice effectively in treating non-infectious locomotor disorders in pigs.

Download English Version:

<https://daneshyari.com/en/article/5763397>

Download Persian Version:

<https://daneshyari.com/article/5763397>

[Daneshyari.com](https://daneshyari.com)