

Accepted Manuscript

Title: Heart rate variability predicts the emotional state in dogs

Author: Maki Katayama Takatomi Kubo Kazutaka Mogi
Kazushi Ikeda Miho Nagasawa Takefumi Kikusui

PII: S0376-6357(16)30093-6
DOI: <http://dx.doi.org/doi:10.1016/j.beproc.2016.04.015>
Reference: BEPROC 3240

To appear in: *Behavioural Processes*

Received date: 15-2-2016
Revised date: 24-3-2016
Accepted date: 24-4-2016

Please cite this article as: Katayama, Maki, Kubo, Takatomi, Mogi, Kazutaka, Ikeda, Kazushi, Nagasawa, Miho, Kikusui, Takefumi, Heart rate variability predicts the emotional state in dogs. *Behavioural Processes* <http://dx.doi.org/10.1016/j.beproc.2016.04.015>

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.



Short report

Heart rate variability predicts the emotional state in dogs

Maki Katayama^a, Takatomi Kubo^b, Kazutaka Mogi^a, Kazushi Ikeda^b, Miho Nagasawa^{a,c},
Takefumi Kikusui^a

^a The Department of Animal Science and Biotechnology, Azabu University, 1-17-71
Fuchinobe, Chuoh-ku, Sagamihara, 252-5201, Japan.

^b Department of Information Science, Nara Institute of Science and Technology, 8916-5
Takayama, Ikoma, Nara, 630-0192, Japan.

^c The Department of Physiology, Jichi Medical University, 3311-1 Yakushiji, Shimotsuke,
329-0498, Japan.

*Corresponding author: Miho Nagasawa

Department of Animal Science and Biotechnology, Azabu University

1-17-71 Fuchinobe, Chuo-ku, Sagamihara, Kanagawa-ken 252-5201, JAPAN

Tel: +81-42-769-1853; Fax: +81-42-850-2513

E-mail: nagasawa@carazabu.com

Highlights

- The dogs' heart rate variability and behavior were recorded in a positive and a negative situation.
- A change in heart rate variability occurred in association with emotional states.
- Heart rate variability is useful for estimating the emotional state in dogs.

Download English Version:

<https://daneshyari.com/en/article/8497087>

Download Persian Version:

<https://daneshyari.com/article/8497087>

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