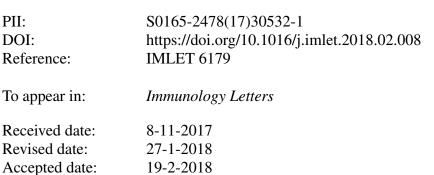
### Accepted Manuscript

Title: Chronic stress induced duration dependent alterations in immune system and their reversibility in rats

Authors: H.N. Sarjan, H.N. Yajurvedi



Please cite this article as: Sarjan HN, Yajurvedi H.N.Chronic stress induced duration dependent alterations in immune system and their reversibility in rats.*Immunology Letters* https://doi.org/10.1016/j.imlet.2018.02.008

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.



## ACCEPTED MANUSCRIPT

#### Chronic stress induced duration dependent alterations in immune system and their reversibility in rats

Sarjan H. N.  $^{\rm 1}$  and Yajurvedi H N  $^{\rm 2*}$ 

<sup>1</sup> Research Fellow, Department of Zoology, University of Mysore, Manasagangotri, Mysore 570 006, India.E-mail: hnsarjan@gmail.com.

<sup>2</sup> Professor, Department of Zoology, University of Mysore, Manasagangotri, Mysore 570 006, India. E-mail: hnyajurvedi@rediffmail.com.

\* Corresponding author:

H. N. Yajurvedi, Professor, Department of Zoology, University of Mysore, Manasagangotri, Mysore 570 006, India, Tel: +91 0821-2419778, Fax: + 91 0821 2419363/2419301, E-mail: hnyajurvedi@rediffmail.com

#### Highlights

- Corticosterone causes apoptosis of peripheral blood mononuclear cells and bone marrow haematopoetic stem cells in dose dependent manner under *in vitro* condition.
- The study first time reveals that increase in duration of stress exposure results in more severe damage in different components of immune system.
- The reversibility of stress induced damage in immune system depends on duration of stress exposure, shorter the exposure period, faster the recovery.

Download English Version:

# https://daneshyari.com/en/article/8738314

Download Persian Version:

https://daneshyari.com/article/8738314

Daneshyari.com