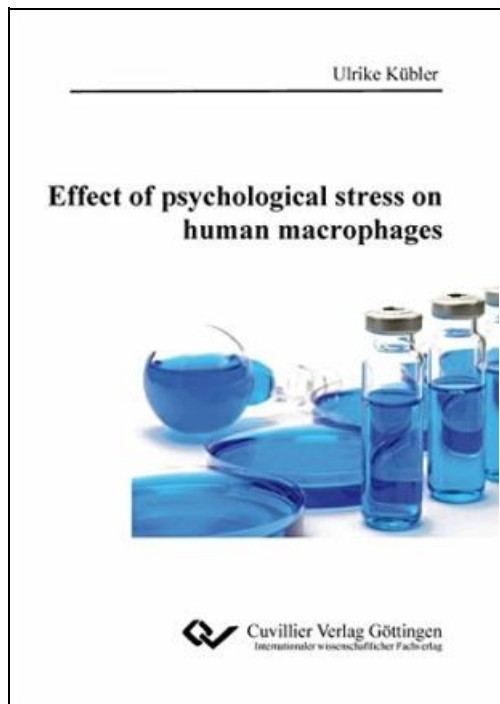


Effect of psychological stress on human macrophages



Filesize: 4 MB

Reviews

This type of publication is every thing and helped me seeking ahead and much more. It usually fails to charge too much. It is extremely difficult to leave it before concluding, once you begin to read the book.

(Juliet Mertz)

EFFECT OF PSYCHOLOGICAL STRESS ON HUMAN MACROPHAGES

[DOWNLOAD PDF](#)

Cuvillier Verlag Mai 2012, 2012. Taschenbuch. Book Condition: Neu. 211x147x15 mm. Neuware - The present thesis aimed to investigate the effects of psychological stress on the microbicidal potential of human macrophages in order to shed more light on the mechanisms that underlie stress-induced delays in the progress of wound healing. For this purpose, two studies were conducted. In a first study, we implemented an in vitro assay to assess the microbicidal potential of human macrophages. In a second study, we set out to examine the influence of an acute psychological stressor on the microbicidal potential of human macrophages within a wound paradigm. **STUDY I** Quantitative and qualitative changes in circulating leukocytes are known to be linked to psychological states. However, there is little information regarding comparable results with leukocytes in peripheral tissues, such as associations between the microbicidal potential of macrophages and psychological states. In this study, we implemented an inexpensive, simple-to-use and valid in vitro method for measuring the microbicidal potential of ex vivo isolated human monocyte-derived macrophages (HMDM). The method was implemented and validated using 21 healthy male subjects (M = 35.0 yrs; SEM = 2.32). The assay principle is based on the reduction of 2-(4-Iodophenyl)-3-(4-nitrophenyl)-5-(2,4-disulfophenyl)-2H-tetrazolium (WST-1) by superoxide anions (O₂⁻), the first in a series of pathogen-killing reactive oxygen species produced by activated macrophages. First, freshly-isolated human monocytes were chemically stimulated to differentiate into macrophages. Subsequently, the HMDM were activated with phorbol 12-myristate 13-acetate to induce a microbicidal or O₂⁻ response. The WST-1 macrophage assay induced O₂⁻ responses by HMDM in all of the subjects. Furthermore, the WST-1 reduction scores correlated closely with results obtained by a reference method. The findings suggest that the in vitro method implemented investigates the microbicidal potential of ex vivo isolated HMDM in a simple, cost-efficient and valid manner. **STUDY II** Acute...

[Read Effect of psychological stress on human macrophages Online](#)[Download PDF Effect of psychological stress on human macrophages](#)

Relevant Books



Psychologisches Testverfahren

Reference Series Books LLC Nov 2011, 2011. Taschenbuch. Book Condition: Neu. 249x191x7 mm. This item is printed on demand - Print on Demand Neuware - Quelle: Wikipedia. Seiten: 100. Kapitel: Myers-Briggs-Typindikator, Keirsey Temperament Sorter, DISG,...

[Save](#) [Document](#)

»



Programming in D

Ali Cehreli Dez 2015, 2015. Buch. Book Condition: Neu. 264x182x53 mm. This item is printed on demand - Print on Demand Neuware - The main aim of this book is to teach D to readers...

[Save](#) [Document](#)

»



Comic Maths: Sue: Fantasy-Based Learning for 4, 5 and 6 Year Olds

The Captain Papadopoulos Publishing Company, United Kingdom, 2012. Paperback. Book Condition: New. Brian Williamson (illustrator). 276 x 214 mm. Language: English . Brand New Book ***** Print on Demand *****.Comic Maths: Sue (Key Stage 1,...

[Save](#) [Document](#)

»



The Official eBay Guide: To Buying, Selling and Collecting Just About Everything

Simon & Schuster Ltd. Paperback. Book Condition: new. BRAND NEW, The Official eBay Guide: To Buying, Selling and Collecting Just About Everything, Laura Fisher Kaiser, Michael Kaiser, Omidyar, Pierre, HAPPY HUNTING(TM) ON eBay Aunt Fannie's...

[Save](#) [Document](#)

»



Under the ninth-grade language - PEP - Online Classroom

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Pages Number: 197 Publisher: Dragon Book Pub. Date :2009-9-1. Contents: Love in the first...

[Save](#) [Document](#)

»

**Learn em Good: Improve Your Child s Math Skills: Simple and Effective Ways to Become Your Child s Free Tutor Without Opening a Textbook**

Createspace, United States, 2010. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.From a certified teacher and founder of an online tutoring website-a simple and

[Save Book](#)

»

**Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselves By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1625)**

Proquest, Eebo Editions, United States, 2010. Paperback. Book Condition: New. 246 x 189 mm. Language: English Brand New Book ***** Print on Demand *****.EARLY HISTORY OF RELIGION. Imagine holding history in your hands. Now you

[Save Book](#)

»

**Kindergarten Culture in the Family and Kindergarten; A Complete Sketch of Froebel s System of Early Education, Adapted to American Institutions. for the Use of Mothers and Teachers**

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can download

[Save Book](#)

»

**DK Readers Day at Greenhill Farm Level 1 Beginning to Read**

DK CHILDREN. Paperback. Book Condition: New. Paperback. 32 pages. Dimensions: 8.8in. x 5.7in. x 0.2in.This Level 1 book is appropriate for children who are just beginning to read. When the rooster crows, Greenhill Farm springs

[Save Book](#)

»

**Who am I in the Lives of Children? An Introduction to Early Childhood Education**

Pearson Education (US), United States, 2015. Paperback. Book Condition: New. 10th Revised edition. 254 x 201 mm. Language: English . Brand New Book. Note: This is the bound book only and does not include access

[Save Book](#)

»