

external link (opens in a new window)

Search Sources Analytics Alerts My list Settings Live Chat Help Tutorials

Quick Search

Search

Back to results | < Previous 174 of 186 Next >



View at publisher | Download Export Print E-mail Create bibliography Add to My List

International Journal of Obesity

Volume 31, Issue 1, 25 January 2007, Pages 197-200

Association between indices of body mass and antibody titres to heat-shock protein-60, -65 and -70 in healthy Caucasians

Ghayour-Mobarhan, M.^{ab}, Taylor, A.^{ac}, Lamb, D.J.^a, Ferns, G.A.A.^{acd}^a Centre for Clinical Science and Measurement, School of Biomedical and Molecular Science, University of Surrey, Guildford, Surrey, United Kingdom^b Faculty of Medicine, Mashad University of Medical Sciences, Mashad, Iran^c Department of Clinical Biochemistry, Royal Surrey County Hospital, Guildford, Surrey, United Kingdom^d Center for Clinical Science and Measurement, School of Biological Sciences, University of Surrey, Guildford, Surrey GU2 5XH, United Kingdom

Abstract

View references (19)

We have previously shown that antibody titres to several heat-shock proteins (Hsps) are elevated in dyslipidaemic patients and subjects with established vascular disease. Obesity is known to be associated with raised serum inflammatory markers suggesting a state of heightened immune activation. Hence, we have investigated the association between indices of obesity and several Hsp antibody titres in healthy subjects. Subjects (n=170) were recruited from among employees at the University of Surrey and the Royal Surrey County Hospital, Guildford, UK. Of these subjects, 35 were obese with a body mass index (BMI) 30 kg/m^2 (19 male and 16 female subjects), 58 were overweight with $30 > \text{BMI} \geq 25 \text{ kg/m}^2$ (36 male and 22 female subjects) and 77 were of a normal weight with $\text{BMI} < 25 \text{ kg/m}^2$ (31 male and 46 female subjects). Overall, obese subjects had significantly higher plasma anti-Hsp-60 ($P < 0.001$), anti-Hsp-65 ($P < 0.05$) and anti-Hsp-70 ($P < 0.05$) compared with overweight and normal weight subjects. © 2007 Nature Publishing Group All rights reserved.

Reaxys Database Information

|

Author keywords

Antibody titres; BMI; Heat-shock proteins

Indexed Keywords

EMTREE drug terms: heat shock protein 60; heat shock protein 65; heat shock protein 70

EMTREE medical terms: adult; analytic method; antibody titer; article; body mass; body weight; Caucasian; comparative study; controlled study; employee; female; human; major clinical study; male; obesity; priority journal; United Kingdom

MeSH: Antibodies; Blood Glucose; Blood Pressure; Body Mass Index; Body Size; C-Reactive Protein; Chaperonin 60; Cholesterol; Female; Heat-Shock Proteins; HSP70 Heat-Shock Proteins; Humans; Male; Middle Aged; Obesity; Triglycerides

Medline is the source for the MeSH terms of this document.

Chemicals and CAS Registry Numbers: Antibodies; Blood Glucose; C-Reactive Protein, 9007-41-4; Chaperonin 60; Cholesterol, 57-88-5; heat-shock protein 65, human; Heat-Shock Proteins; HSP70 Heat-Shock Proteins; Triglycerides

ISSN: 03070565 CODEN: IJOB Source Type: Journal Original language: English

DOI: 10.1038/sj.ijo.0803385 PubMed ID: 16703002 Document Type: Article

References (19)

View in table layout

Page Export Print E-mail Create bibliography

Cited by since 1996

This article has been cited 5 times in Scopus:
(Showing the 2 most recent)

Tavallaie, S., Rahsepar, A.A., Abdi, H.
Association between indices of body mass and antibody titres to heat-shock protein-27 in healthy subjects
(2012) *Clinical Biochemistry*

Zhang, X., Tanguay, R.M., He, M.
Variants of HSPA1A in combination with plasma Hsp70 and anti-Hsp70 antibody levels associated with higher risk of acute coronary syndrome
(2011) *Cardiology*

View details of all 5 citations

Inform me when this document is cited in Scopus:

Set alert | Set feed

Related documents

Showing the 2 most relevant related documents by all shared references:

Ghayour-Mobarhan, M., Rahsepar, A.A., Tavallaie, S.
Chapter 2 The Potential Role of Heat Shock Proteins in Cardiovascular Disease. Evidence from In Vitro and In Vivo Studies
(2009) *Advances in Clinical Chemistry*

Pourghadamyari, H., Moohebaty, M., Parizadeh, S.M.R.
Serum antibody titres against heat shock protein 27 are associated with the severity of coronary artery disease
(2011) *Cell Stress and Chaperones*

View all related documents based on all shared references or select the shared references to use

Find more related documents in Scopus based on:

Authors | Keywords

More By These Authors

The authors of this article have a total of 988 records in Scopus:
(Showing 5 most recent)

Ronaldson, K.J., Fitzgerald, P.B., Taylor, A.J., Topliss, D.J., Wolfe, R., McNeil, J.J.

Rapid clozapine dose titration and concomitant sodium valproate increase the risk of myocarditis with clozapine: A case-control study
(2012) *Schizophrenia Research*

Taylor, M., Taylor, A.

The technology life cycle: Conceptualization and

Add apps | Help