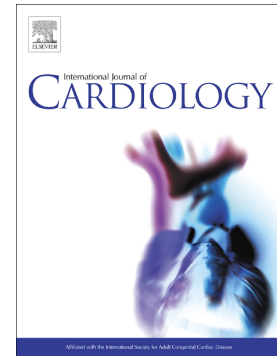


Accepted Manuscript

Blueberry metabolites restore cell surface glycosaminoglycans and attenuate endothelial inflammation in diabetic human aortic endothelial cells

Brett Ronald Cutler, Samira Gholami, Jie Shi Chua, Balagurunathan Kuberan, Pon Velayutham Anandh Babu



PII: S0167-5273(17)37771-9
DOI: doi:[10.1016/j.ijcard.2018.03.027](https://doi.org/10.1016/j.ijcard.2018.03.027)
Reference: IJCA 26156

To appear in:

Received date: 14 December 2017
Revised date: 20 February 2018
Accepted date: 6 March 2018

Please cite this article as: Brett Ronald Cutler, Samira Gholami, Jie Shi Chua, Balagurunathan Kuberan, Pon Velayutham Anandh Babu , Blueberry metabolites restore cell surface glycosaminoglycans and attenuate endothelial inflammation in diabetic human aortic endothelial cells. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. *Ijca*(2017), doi:[10.1016/j.ijcard.2018.03.027](https://doi.org/10.1016/j.ijcard.2018.03.027)

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.

Blueberry metabolites restore cell surface glycosaminoglycans and attenuate endothelial inflammation in diabetic human aortic endothelial cells

Authors: Brett Ronald Cutler¹, Samira Gholami¹, Jie Shi Chua², Balagurunathan Kuberan², Pon Velayutham Anandh Babu^{1*}

¹Department of Nutrition and Integrative Physiology, College of Health, University of Utah, Salt Lake City, Utah 84112, USA. ²Departments of Biology, Bioengineering, & Medicinal Chemistry, University of Utah, Salt Lake City, UT 84112, USA.

Correspondence to:

*Pon Velayutham Anandh Babu, Department of Nutrition and Integrative Physiology, College of Health, University of Utah, Salt Lake City, Utah 84112. Tel: +1-801-581-8376, Fax: +1-801-585-3874, E-mail: anandh.velayutham@utah.edu

Type of article: *Short communication*

Word count: 1500 (Introduction to Discussion); **Number of Figures:** 2; **References:** 20

Key words: blueberry metabolites, endothelial inflammation, diabetes, glycosaminoglycans

All above authors takes responsibility of all aspects of the reliability and freedom from bias of the data presented and their discussed interpretation. Authors declare no potential conflict of interest.

Funding: This work was supported by the University of Utah Seed Grant, research start-up fund and College of Health Pilot grant (to P.V.A.B.); NHLBI sponsored Programs of Excellence in Glycosciences Grant, HL107152; and Undergraduate Research Opportunities Program award (B.R.C. and S.G.).

Download English Version:

<https://daneshyari.com/en/article/8662072>

Download Persian Version:

<https://daneshyari.com/article/8662072>

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