

Accepted Manuscript

Chronic saponin treatment attenuates damage to the pancreas in chronic alcohol-treated diabetic rats

Mi Ran Choi, Su Min Kwak, Sol Hee Bang, Jo-Eun Jeong, Dai-Jin Kim, M.D., Ph.D.



PII: S1226-8453(16)30223-8

DOI: [10.1016/j.jgr.2016.09.002](https://doi.org/10.1016/j.jgr.2016.09.002)

Reference: JGR 215

To appear in: *Journal of Ginseng Research*

Received Date: 6 January 2016

Revised Date: 22 August 2016

Accepted Date: 27 September 2016

Please cite this article as: Choi MR, Kwak SM, Bang SH, Jeong J-E, Kim D-J, Chronic saponin treatment attenuates damage to the pancreas in chronic alcohol-treated diabetic rats, *Journal of Ginseng Research* (2016), doi: 10.1016/j.jgr.2016.09.002.

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.

1 **Chronic saponin treatment attenuates damage to the pancreas in chronic alcohol-**
2 **treated diabetic rats**

3 Mi Ran Choi ^a, Su Min Kwak ^a, Sol Hee Bang, Jo-Eun Jeong, Dai-Jin Kim *

4
5 Department of Psychiatry, Seoul St. Mary's Hospital, The Catholic University of Korea
6 College of Medicine, Seoul, Republic of Korea

7
8
9 ^a Both authors (Mi Ran Choi and Su Min Kwak) contributed equally to this work.

10
11
12 *Corresponding author: Dai-Jin Kim, M.D., Ph.D.

13 Department of Psychiatry, Seoul St. Mary's Hospital, The Catholic University of Korea

14 College of Medicine, 222 Banpo-daero, Seocho-gu, Seoul 06591, Republic of Korea

15 Tel.: +82-2-2258-6086

16 Fax: +82-2-594-3870

17 E-mail: kdj922@catholic.ac.kr

18
19 A running title: Effect of saponin on damage by alcohol

20

21

22

23

Download English Version:

<https://daneshyari.com/en/article/8693051>

Download Persian Version:

<https://daneshyari.com/article/8693051>

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