Letter to the Editor

Comment on “Renal Protective Effect of Sirtuin 1”

Kultigin Turkmen

Division of Nephrology, Department of Internal Medicine, Meram School of Medicine, Konya Necmettin Erbakan University, 42090 Konya, Turkey

Correspondence should be addressed to Kultigin Turkmen; ucmdkt@gmail.com

Received 18 December 2014; Accepted 29 March 2015

Academic Editor: Daisuke Koya

Copyright © 2015 Kultigin Turkmen. This is an open access article distributed under the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original work is properly cited.

I read the review article written by Dong et al. [1] regarding the renal effects of sirtuin 1 with great interest. The authors described the harmful effects of advanced glycation end products on podocyte apoptosis via increasing Bcl-2 protein secondary to forkhead box O4 (FOXO4) acetylation in diabetes mellitus according to Chung et al.' findings. However, Chuang et al. [2] demonstrated that the apoptosis of podocyte was associated with the expression of a proapoptosis gene, Bcl-2-like 11 (Bcl2l11), not antiapoptotic Bcl-2. To date, a total of 25 Bcl-2 related genes have been identified. Among them, Bcl-2, Bcl-xL, and Bcl-w are antiapoptotic; however, BAD, Bax, Bak, and Bcl2l11 are proapoptotic [3]. Hence, researchers should consider this important knowledge to avoid misunderstanding.

Conflict of Interests

The author declares that there is no conflict of interests regarding the publication of this paper.

References

- [1] Y. J. Dong, N. Liu, Z. Xiao et al., “Renal protective effect of sirtuin 1,” *Journal of Diabetes Research*, vol. 2014, Article ID 843786, 8 pages, 2014.
- [2] P. Y. Chuang, Y. Dai, R. Liu et al., “Alteration of forkhead box o (foxo4) acetylation mediates apoptosis of podocytes in diabetes mellitus,” *PLoS ONE*, vol. 6, no. 8, Article ID e23566, 2011.
- [3] M. Kvansakul and M. G. Hinds, “The Bcl-2 family: structures, interactions and targets for drug discovery,” *Apoptosis*, vol. 20, no. 2, pp. 136–150, 2015.