Author’s response to reviews

Title: A novel 11β-hydroxysteroid dehydrogenase type 1 inhibitor CNX-010-49 improves hyperglycemia, lipid profile and reduces body weight in diet induced obese C57B6/J mice with a potential to provide cardio protective benefits

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Author’s response to reviews: see over
Dear Editor,

We are submitting the revised version of our manuscript number **MS: 2003182285120792**. All the necessary changes that are raised by the reviewers have been incorporated (dated 8th July 2014). Also please find below where we have explained the changes that have been addressed in the revised manuscript in detail.

Regards

M.R. Jagannath
Chief Scientific Officer
Minor Essential revisions:

(1) The description of the statistical analysis that is included in your figure legends should just say "Statistical comparison was conducted by One-way ANOVA followed by Dunnett's test"

As advised, we have made all the necessary changes in the revised manuscript

(2) The statistical analysis for figures 5A & B, 7A, and 8A is still not appropriate. The experiments were conducted with a repeated measures design (e.g. animals from three separate treatment groups were treated over the course of 10 weeks and measurements were taken repeatedly from each animal at intervals over this time period). Therefore treating each time point as an 'independent' experiment is not an appropriate approach.

As advised, we have reanalyzed the data using Prism 5.01 software. When only two groups were analyzed, statistical comparison was conducted by One-way ANOVA followed by Dunnett’s test. For reporting the statistical comparisons for repeated measure based parameters such as weekly fasting glucose, serum triglycerides and body weight, we have used Two-way repeated measures ANOVA followed by Bonferroni correction.

The same is mentioned under statistical Analysis under methods section and also under respective figure legend which includes p-value, F, and degree of freedom (Df) in the revised manuscript.