Reviewer’s report

**Title:** If Current Channel Inhibitor (Ivabradine) Deserves Cardioprotective Effect via Down-Regulating the Expression of Matrix Metalloproteinase (MMP)-2 and attenuating apoptosis in Diabetic mice

**Version:** 2
**Date:** 15 September 2014

**Reviewer:** Giorgio Quadri

**Reviewer’s report:**

Chen and colleagues reported the cardioprotective results of the administration of ivabradine in a group of diabetic mice. The description of the involved genes and the consequent action of the encoded protein is particularly detailed. Interesting the final result on the improvement of cardiac function detected by echocardiography.

Minor essential revisions:

1) Although not focused on patients with diabetes, major randomized trials regarding ivabradine (e.g. BEAUTIFUL, SHIFT) should nevertheless be mentioned in the introduction or in the discussion section
2) A “limit section” should be added in the paper (include for example the small sample size)
3) What does this study add in clinical practice? What studies are desirable in the future?
4) Add the “conclusions” in the main paper.

**Level of interest:** An article of importance in its field

**Quality of written English:** Needs some language corrections before being published

**Statistical review:** No, the manuscript does not need to be seen by a statistician.

**Declaration of competing interests:**

I declare that I have no competing interests