Reviewer’s report

**Title:** Protective effect of KCNH2 single nucleotide polymorphism K897T in an LQTS family and identification of novel KCNQ1 and KCNH2 mutations

**Version:** 4  **Date:** 16 July 2008

**Reviewer:** Tomas Novotny

**Reviewer’s report:**

The rewritten version of manuscript is generally improved. It is well and logically organized.

**Major Compulsory Revisions**

I have still one important comment: the authors state repeatedly that they are presenting results from 112 families. I understand that there is a cohort or registry of 112 families. Nevertheless in the manuscript the Results section describes only 8 of them. So there are two possibilities: Either the authors must complete information on KCNH2 mutational analysis in the remaining 104 families. Or it must be clearly stated that this manuscript describes 8 families from a cohort of 112.

**Minor Essential Revisions**

In the methods section the explanation of superiority of bike ergometer should be omitted and moved to the Discussion.

Information on ECG lead configuration is missing.

Throughout the article there are some letters missing, it should be re-read carefully and corrected.

**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