Reviewer's report

Title: Type II diabetes and impaired glucose tolerance due to severe hyperinsulinism in patients with 1p36 deletion syndrome and Prader-Willi like phenotype

Version: 2 Date: 30 November 2013

Reviewer: Fernando Scaglia

Reviewer's report:

Major compulsory revisions: the authors present two patients with 1p36 deletions and an accompanying phenotype suggestive of Prader-Willi syndrome.

1. Even if the possibility of microdeletions associated with Prader Willi syndrome has been ruled by array CGH on both patients, Prader Willi syndrome can be caused by uniparental disomy, molecular defects affecting the imprinting center, or truncating mutations in the paternal allele of MAGEL2. The authors need to rule out other possibilities by performing methylation studies for Prader Willi in both patients.

2. The authors give the impression that the array CGH done on both patients are different. They need to clarify this issue in the methods section. They also need to state whether the array is comprehensive and whether it also includes a SNP array that would be useful to exclude cases of Prader Willi due to uniparental disomy.

3. The authors need to improve the English in their report.

Level of interest: An article whose findings are important to those with closely related research interests

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 no competing interests.