Reviewer's report

Title: Sunitinib-induced severe toxicities in Japanese patient with the ABCG2 421 AA genotype

Version: 2  Date: 20 October 2014

Reviewer: Shashwat Sharad

Reviewer's report:

This is an exceptional and unusual case report and is good to consider for the publication with some minor revisions.

Minor Essential Revisions

1. In the title author should provide the full gene name ABCG2 (ATP-binding cassette, sub-family G (WHITE), member 2)

2. on page 5; para 2; line 75 put a day after 12.

3. Page 6; conclusion section: please clarify how much fold differences in the ABCG2 frequency in non-Asians.

4. Page 12, para 2; line 172 as this is the first time mentioning about the SNPs, it will be nice if they clarify the how many SNPs from each gene type.

In the discussion It is not clear how the severe toxicities is linked to ABCG2 421 AA genotype

Authors should also discuss about the other factors associated with the pathogenesis of sunitib and SU12662, in terms of SNPs.

Is there any report showing no adverse drug reaction with in non Asian treated with sunitib with this SNP.

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'