Reviewer’s report

Title: HIV-1 Integrase resistance among antiretroviral treatment naive and experienced patients from Northwestern Poland

Version: 2 Date: 15 November 2012

Reviewer: Carolina Garrido

Reviewer’s report:

Major Compulsory Revisions

The study is generally well done and interpreted, although some improvements should be done. However, I don't believe the topic of the manuscript is innovative and results do not provide any improvement to the current knowledge of integrase inhibitors use.

Minor Essential Revisions

Overall the manuscript is well written, but some paragraphs should be reviewed to improve their comprehension.

All phylogenetic figures (subtype, RAL failures) are superfluous. They do not provide any interesting information and I would recommend to remove them.

Figure 3b is interesting and well done. I would suggest to change dates in the X axis for time points (ie. month 1, month 2,.....)

More discussion about the development of resistance in RAL failing patients should be done. Only a small percentage of them, 8.3%, developed integrase resistance mutations... Which are the hypothesis for the remaining failing patients?

Level of interest: An article of limited interest

Quality of written English: Acceptable

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'