Reviewer's report

Title: Predictive factors of virological success to salvage regimens in HIV-1 infected children

Version: 2 Date: 16 February 2007

Reviewer: constance delaugerre

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General

The manuscript by Larre et coll analyzed predictive factors of virological success to salvage regimens in HIV-1 infected children. This study was well conducted and point out the interest of new tool as virtual phenotype to improve virological success in this population of children that need to salvage therapy

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Major Compulsory Revisions (that the author must respond to before a decision on publication can be reached)

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Minor Essential Revisions (such as missing labels on figures, or the wrong use of a term, which the author can be trusted to correct)

1-The authors should be clearly described antitrovirals regimens initiated in children : page 7 "at inclusion, 60.6% used NFV, 30.3% LPV/r, 6.1% IDV, 3.0% SQV/r" seems to be traitement just before the study page 8 "...15 received LPV/r, 2 fosamprenavir/rit and 1 SQV/rit" this description concerned only the ritonavir boosted PI and the others?
2-authors should bed defined all the name of antiretroviral NFV=nelfinavir, SQV= saquinavir...
3- idem for NAMs in the text and table
4-in the analysis, "No of active PI in the salvage regimen" was determined according to genote, virtual phenotype?
5-in table 1 , it was median and (range or IQR
6-references : no references 20 and 21 but cited in the text (page 11, reference 12 should be brought up to date

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Discretionary Revisions (which the author can choose to ignore)