Reviewer's report

Title: Impairment of pulmonary vascular reserve and right ventricular systolic reserve in pulmonary arterial hypertension.

Version: 2 Date: 7 March 2014

Reviewer: Sanjay Mehta

Reviewer's report:

I thank the authors for the revisions to the paper in response to my previous comments. The paper reads well now, and is almost ready to be accepted. A new statement added in the Discussion is not clear, and needs to be revised as below:

Minor Essential Revisions

1. P15, para 2: "Although the two years follow-up showed a non significant worse outcome of PAH group 1, the significant abnormal pressure/flow relationship secondary to a pathological increase in mPAP and a blunted increase in CO, allows to speculate with it" does not make sense in English. I am not sure what the authors are trying to say!

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 that I have no competing interests