

Reviewer's report

Title: The underlying mechanism for development of hypertension in the metabolic syndrome

Version: 1 **Date:** 22 February 2008

Reviewer: Bruno Vogt

Reviewer's report:

The manuscript of Hidekatsu Yanai and co-workers addresses an important issue on obesity and hypertension. It is well reasoned and balanced and well written.

Minor essential revision: In the section "Activated renin-angiotensin system", two things should be induced in the text with one sentence each: First, the work of Goodfriend TL and coworkers on aldosterone stimulation independent of renin (Goodfriend TL, Egan BM, Kelley DE: Aldosterone in obesity. *Endocr Res* 1998;24:789) and second, the association of plasma aldosterone independently with the metabolic syndrome (Egan BM et al., *AM J Hypertension* 1994;7:886, Bochud M et al. *Hypertension* 2006;48:239, and Kidambi S, et al., *Hypertension* 2007; 49:704).

Minor point: Maybe it would be more correct to write in mechanism(s) or even mechanisms in the title and throughout the text, the plural form seems more appropriate.

What next?: Accept after minor essential revisions

Level of interest: An article of outstanding merit and interest in its field

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.