Reviewer's report

**Title:** Comparison of Left Ventricular Geometry after HeartMate II and HeartWare Left Ventricular Assist Device Implantation

**Version:** 1  **Date:** 18 October 2012

**Reviewer:** Anton AS Sabashnikov

**Reviewer's report:**

Impact of left ventricular unloading by left ventricular assist devices (LVAD) on the ventricular geometry and function represents an important topic in LVAD research. The authors compared the capability of off-loading the left ventricle of two widely used continuous flow LVADs using left ventricular systolic and diastolic diameters. They clearly showed, that despite the miniaturized nature of the Heartware LVAD compared to HeartMate II LVAD, ventricular off-loading was not affected and was comparable in both groups. The methods for the study as well as statistical analysis of the data are suitable and reproducible. The interpretation of the data in the discussion is well balanced and supported by the results of the study and appropriate references to previous research. The reviewer appreciates the author’s intent and suggests this manuscript for publication.

**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.

**Declaration of competing interests:**

I declare that I have no competing interests