Reviewer’s report

Title: Wearable defibrillator use in heart Failure (WIF): Results of a prospective registry

Version: 3 Date: 17 August 2012

Reviewer: Helmut Klein

Reviewer’s report:

The presented results of this prospective registry are quite interesting and clearly demonstrate that the WCD is a useful tool to bridge a time period of mandatory risk assessment in patients with clinical symptoms of advanced heart failure and poor left ventricular ejection fraction (LVEF). Presented data also show that using only LVEF as single risk parameter for primary prevention ICD implantation is not enough and may lead to unnecessary ICD implantation because of LV-EF improvement after a few months.

- How do the authors explain improvement of LVEF although medical treatment in the enrolled patient cohort was not different from baseline to end of WCD wearing? This brings up the question of why were the patients enrolled into the registry?
- Why didn't the authors plan a pre-determined (fixed) wearing time of the WCD?
- Did the authors find a difference in LVEF improvement between ischemic and non-ischemic cardiomyopathy?

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