Reviewer’s report

Title: Heart Rate in Patients with Reduced Ejection Fraction: Relationship Between Single Time Point Measurement and Mean Heart Rate on Prolonged Implantable Cardioverter Defibrillator Monitoring

Version: 0 Date: 05 Nov 2017

Reviewer: Meifeng Xu

Reviewer’s report:

This study analyzed the relationship between resting heart rate (HR) and mean HR on implantable cardiac defibrillator (ICD) in patients with left ventricular ejection fraction (LVEF) <40%. The results indicate that there is good correlation between resting HR and mean HR as determined from the ICD histogram. However, the limits of agreement are unacceptably wide and resting HR is frequently above the mean. These findings may raise concern for the strategy of using a single time-point method of HR assessment to titrate negative chronotropic therapies.

Minor issues need to be addressed:

1. It is not very clear why authors performed this study, i.e. is there any significance of this study to guide the therapy in the patients with cardiovascular disease?

2. Authors mentioned that average resting and ICD mean HRs were 67.9±10.1 and 67.8 ±9.6 bpm, respectively. There was good correlation in the overall cohort (r=0.79). Did authors calculate the p value of this correlation factor?

3. Please give the full words when the abbreviations are used first time, e.g., "ICD", "LVEF" on page 2.

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Unable to assess

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Yes
Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I recommend additional statistical review

Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable

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