Reviewer’s report

Title: Evaluation of Tp-e Interval, Tp-e/QT Ratio and Tp-e/QTc Ratio in Patients with Acute Myocarditis

Version: 0 Date: 10 Feb 2019

Reviewer: Francesco Santoro

Reviewer's report:

Dear Editor,

thanks for the opportunity to evaluate the manuscript entitled: "Evaluation of Tp-e Interval, Tp-e/QT Ratio and Tp-e/QTc Ratio in Patients with Acute Myocarditis".

In this elegant study FATİH MEHMET UÇAR et al evaluated several electrocardiographic parameters as (Tpeak-Tend intervals, Tp-e/QT and Tp-e/corrected QT (QTc) ratios among 56 patients with acute myocarditis versus 56 controls.

Authors found that Tp-e, Tp-e/QT and Tp-e/ QTc were significantly higher in acute myocarditis group and they were correlated with high troponin and high sensitive C reactive protein levels.

This is the first study providing this data in literature, therefore authors should be congratulated for this. The new data may provide new insights in the arrhythmia mechanism of this patology.

However some data are missing.

1) Is not clear when these ECG parameters were collected, at admission ?
2) What about the control group , more information should be provided in the method section
3) What about in-hospital complication of AM patients?
4) It would be interesting to know if some patients had in-hospital arrythmias and which ECG feature had at admission
5) What about long term follow-up, is it available? If yes authors should check for potential correlation between ecg parameters and outcome

Minor comments:

Background Page 1 line 15, "Myocarditis is accused of" please change into "myocarditis may be the cause of sudden death in young people"

Results line 51 "QRS duration were significantly lower"… it should be "QRS duration was significantly longer in AM… "


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.

Yes

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

No

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 am able to assess the statistics

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

Acceptable

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