Reviewer's report

Title: Bisoprolol Transdermal Patch for Perioperative Care of Non-cardiac Surgery in Patients with Hypertrophic Obstructive Cardiomyopathy

Version: 2 Date: 24 Jun 2019

Reviewer: Roberto Spoladore

Reviewer's report:

Milan, June 24th 2019

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The manuscript is aimed to assess the hemodynamic features of patients with HOCM who used the bisoprolol transdermal patch during perioperative care for non-cardiac surgery. Authors concluded that bisoprolol transdermal patch could be an alternate treatment option for HOCM because the hemodynamic features of these patients did not change significantly after switching to patch therapy.

Comments

1. A control group with oral betablocker is lacking.

2. Please, provide some details about the kinetic of bisoprolol transdermal patch. In particular, specify whether the patch must be changed every day or not.

3. Which is the precise timing of drug switching before non-cardiac surgery?

4. Which is the precise timing of LVOT and mid-ventricular obstruction assessment after drug switching and before non-cardiac surgery?

5. Which protocol of stress echocardiography was applied in order to assess the dynamic LVOT obstruction? (page 7, line 154).

6. Which are the hemodynamic details during non-cardiac surgery?

7. Only one patient was included in the study with a baseline relatively high dose of oral bisoprolol (7.5 mg/day). It would be interesting to study a larger population taking higher doses of oral betablocker.

8. How was performed the ventricular arrhythmias assessment in patients without an implanted defibrillator?
Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

No

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

No

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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