Reviewer’s report

Title: Hypotension Prediction Index Software for Management of Hypotension during Moderate- to High-Risk Noncardiac Surgery Protocol for a Randomized Trial

Version: 0 Date: 08 Feb 2019

Reviewer: Iacopo Cappellini

Reviewer's report:

Dear Authors my compliments for the developments of the proposed study. Intraoperative hypotension is a topic of soaring interest in order to prevent postoperative organ damages. However the protocol need some minor revisions.

Page 7

Line 40 In the inclusion criteria authors need to insert informed consent

Line 56 why did authors not considered eligible patients scheduled to neurosurgery?

Page 8

Line 16 General anesthesia it is not standardized. Although the aim of the study is to understand if HPI is an useful index to prevent hypotensive episodes, the lack of a defined type of anesthesia could a be a confounding factor in the successful outcome of the study.

Page 11

Line 15 Authors considered troponin t elevations as myocardial damage. Why did they not consider for example creatinine as a sign ok acute kidney injury or lactate level as general organ damages?

Page 12

Line 29 Authors refer to absolute or relative reduction of AUC-MAP < 65 mmHg*min. Moreover did authors consider a drop-out?
If sample size calculation provided 214 it is impossible to allocate 314 patients (157 blind and 157 unblind)

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