

ANSWERING REVIEWERS

Dear Editor,

Please find enclosed the edited manuscript in word format (file name: 21044-Review.doc).



Title: Monitoring anticoagulant therapy with new oral agents

Author: Allan Ramos-Esquivel

Name of Journal: *World Journal of Methodology*

ESPS Manuscript NO: 21044

The manuscript has been improved according to the suggestions of reviewers:

1 Format has been updated.

2 Revision has been made according to the suggestions of the reviewer:

(1) The manuscript by Ramos-Esquivel A, is a very good revision of the monitoring techniques for anticoagulant therapies nowadays available. It is well written and updated. Nevertheless, since it pretend to be a reference point for taking decisions about the best test to use by physicians in clinical practice, I feel that some information is missing, like efficiency of these tests in different risk population, like child or elder patients, which coagulation might be different from other patient groups, where these tests are commonly used; thus, I would encourage to the author to include this information in the table 2 if it is available. A small section referred to this issue might also be usefull. Author should also mention other related manuscripts and cite them in the reference section, such as: -Favarolo E and Lippi G 2012 22 329-41 -García D et al. JTH 2013 11: 245-52. I will be happy to recommend its publication after the author will answer these issues.

I thank the reviewer for his/her suggestions. In this reviewed version there is a small section regarding this valuable observation about special populations. The aforementioned sources are now cited.

(2) This review summarizes the limitations in monitoring the effect of New Oral Anticoagulants (NOAC). Although monitoring the effect of anticoagulant is clinically valid, there is no trial that has compared the effects of several NOAC with coagulation monitoring. Hence, there are no guidelines to determine the steps to follow to improve the quality of the anti-coagulation therapy. The gold standard to monitor the effect of NOAC is to determine the drug concentration using mass-spectrometry analysis; however, this is not available in the majority of the clinical settings. This manuscript overviewed the various procedures that monitor the effects of NOAC in the patients. None of the measures is perfect to determine their effect. Their advantage and disadvantages are summarized in this manuscript. This manuscript will help the clinicians measure the effect of NOAC.

I thank the reviewer for his/her valuable comments.

3 References and typesetting were corrected.

Thank you again for publishing our manuscript in the *World Journal of Methodology*.