



**SDI Review Form 1.6**

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| Journal Name:            | <a href="#">Journal of Advances in Medical and Pharmaceutical Sciences</a>                                                     |
| Manuscript Number:       | Ms_JAMPS_44526                                                                                                                 |
| Title of the Manuscript: | Prevalence and Risk Factors of Potential Drug Interactions in Hospitalized Cardiovascular Patients Using Three Knowledge Bases |
| Type of the Article      | Original Research Article                                                                                                      |

**General guideline for Peer Review process:**

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)

**PART 1: Review Comments**

|                                     | Reviewer's comment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| <b>Compulsory</b> REVISION comments | <p><b>Statistical analysis:</b> this section must be added, moreover the power analysis must be added</p> <p><b>Figure:</b> please change figure 2 in a table in order to clarify the difference between these databases</p> <p><b>Results:</b> please add a table indicating clinical and epidemiological characteristic of each patient with DDI in order to define the role of renal and liver function, comorbidity, gender and age in the development of DDI. Moreover for each patient add clinical symptom(s) induced by DDI.</p> <p><b>Results:</b> your write "While aspirin represented (48%) of total prescribed antithrombotics, enoxaparin constituted (29.6%), 141 clopidogrel (24%) and 142 warfarin (23.2%). Table(3) shows ordered combinations of low-dose aspirin with 143 other antithrombotics". I have not understand if these associations are or not related to DDI.</p> <p><b>Discussion:</b> a recent paper by Gallelli et al., Curr Drug Saf. 2017;12(3):171-177, documented the development od DDI in hospitalized patient, please cite and discuss this manuscript considering the difference or not of data.</p> <p>Did you exclude the role of nutraceuticals in these DDI ? please add this point and in results add the type and number of nutraceuticals used by each patient</p> <p><b>References:</b> several recent paper on this topic have been published, please cite these in reference and also cite the manuscript by Palleri at al., J Res Med Sci. 2013 Jul;18(7):601-10.</p> | <p>Thank you for your valuable insights and recommendations.</p> <p>- <b>Statistical analysis:</b> are present in detail in the methods section starting line no. 104. Under the title "Data Evaluation". We corrected it to "Statistical Analysis of Data" and added the power of analysis details. Complete results of statistical analysis are under the title "Risk Factors for Potential Drug Interactions" starting line no. 158.</p> <p>- <b>Figure:</b> removed and changed into a table as advised.</p> <p>- <b>Results:</b> table 1 in the results section under the title "Demographics and clinical characteristics of patients" includes the requested details (after line no. 131 on the beginning of page 5). However, because this was a cross sectional study, we did not record actual ADRs induced by DDIs, and this is reported in the study limitations.</p> <p>- <b>Results:</b> we wanted to show the type and frequency of prescribed drugs specially antithrombotics that could be involved in severe ADRs. Most common pDDIs involving these drugs are presented in supplementary table S2.</p> <p>- <b>Discussion:</b> the paper by Gallelli et al was added to citations in the second paragraph of the introduction section after line no. 47 as it fitted more with the paragraph about DDIs being an important form of ADRs.</p> <p>- All nutraceuticals such as iron, multivitamin preparations and silymarin (milk thistle), that were ordered by physicians in the patients' prescriptions were included when checking for pDDIs. Information on prescribed nutraceutical was added in the data collection, results and discussion. A new reference in the discussion for this paragraph was added "Russo et al, Curr Drug Saf. 2016;11(1):1-3."</p> <p>- <b>References:</b> the manuscript by Palleri et al was cited in the introduction in line no. 41. Surprisingly, I cited this reference when writing my MSc thesis!</p> |
| <b>Minor</b> REVISION comments      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |



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| <b>Optional/General</b> comments |  |  |
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**PART 2:**

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|                                                     | <b>Reviewer's comment</b>                                                    | <b>Author's comment</b> <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i> |
| <b>Are there ethical issues in this manuscript?</b> | <i>(If yes, Kindly please write down the ethical issues here in details)</i> |                                                                                                                                                                                             |