

# Review of: "Antihypertensive Medications Adherence and Its Relationship to Blood Pressure Control Among Healthcare Workers in Jose R. Reyes Memorial Medical Center (JRRMMC): A Retrospective Analytic Study"

Mohammad Abdur Rahman Afridi<sup>1</sup>

<sup>1</sup> Lady Reading Hospital

Potential competing interests: No potential competing interests to declare.

The manuscript submitted with above-mentioned title is reviewed with the objective to help the authors improve the quality of the paper. Following are the comments:

The authors are advised to write the manuscript properly according to the Instructions to authors for submitting a scientific paper to the standard biomedical journals.

**The Abstract** of the paper is not according to the format of an original article. Reference citation in the Abstract is not correct.

The **Background** must be short and focused.

**The Objective** must be clear and focused.

**Results** are not properly given. for example, "Sixty %" should be "sixty percent". The actual findings of the study should stated in figures; views and opinions should be avoided in the Results section.

**Conclusions** should be relevant, based on Results findings according to Objectives of the study and to the point. Unnecessary and irrelevant details should be avoided.

## **The main manuscript:**

**The Background** is too long with too much reference citations. Only pertinent, relevant and most recent articles should be included in this section.

**Rationale** of the study should be given at the end of the Background/Introduction section.

**The Objectives** are unnecessarily made complicated; it should be clear, specific and measurable.

**Methodology** section is confusing. It should be clear and well defined. Sample size calculation should be clear; here figures of 250 and 180 are given.

Sentence should start with words rather than figures; 250 should be written as two hundred and fifty. Details of different

methods, like MMAS-8, needs elaboration. Similarly, Statistical methods/data analysis and tests applied also needs elaboration.

**Results** section is replaced with Data Analysis, which is incorrect. Study findings should be presented properly in the Results section. Here, too many tables are given. with inappropriate captions.

Mean age and mean time with  $\pm$  standard deviations should be given instead of average time/age range. 74.00% should be written as 74%. Abbreviations should be preceded by the full name for the first time, like ARBs and CCBs.

interesting observations have been made; for example: "*As presented in tables 6 and 7 below, adherence to pharmacological treatment has no significant association with BP control, ( $p > .05$ )*". This is quite strange and indigestible, as good adherence is the key factor associated with blood pressure control.

**Discussion** section should be focused, starting with major findings of the study and comparing the same with local, regional and international studies done on the subject. For the Discussion and Background sections I can suggest the following studies on the subject which may be helpful:

1. <https://www.jpmi.org.pk/index.php/jpmi/article/view/2592>
2. <https://www.jpmi.org.pk/index.php/jpmi/article/view/3060>

**Conclusion** section merged with recommendations making it vague and confusing. Conclusion should clearly stated based on study findings/results and objectives of the study.

**References** are not properly cited, especially reference number 7 to 10 do not qualify the reference citation. Most of the references are quite old; ideally majority of the references should not be older than 5 years.

Moreover, the manuscript needs revision for grammar/language errors.