

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"

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Potential competing interests: No potential competing interests to declare.

Manuscript title: 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

General comments: This study assessed medication adherence to antihypertensives and its impact on blood pressure control among healthcare workers in a healthcare facility in the Philippines. It addresses a very important research question especially as elevated blood pressure is associated with morbidity and mortality among the working population. Overall, a good concept but the manuscript needs improvement in some key areas pointed out below:

Abstract:

- There is no need for citations when writing abstracts. The authors are advised to remove the citations.
- The authors should clarify and define in the manuscript proper if systemic hypertension is an occupational disease. I am not sure if it can be classified as such. Putting it together with chronic back pain etc. is a bit confusing.

Background:

- The authors are to address the issue of hypertension as an occupational disease here. There is a need for this segment to be revised

Objectives:

- The general and specific objectives are to be summarized and written in prose form.

Methods:

- Using a cut-off of one month therapy for antihypertensive medication adherence study is not adequate.
- The statement " Medication Adherence Scale-8 (MMAS-8) was able to identify medication nonadherence and help control blood pressure" may be misleading. Kindly revise.
- The authors should please give some details about the scoring style of the MMAS

Data analysis – The items here ideally should be under "Results".

- Ideally, there should be a table with the MMAS score and how participants were classified into categories

Discussion:

"The rate of hypertensive individuals found in this study among nursing professionals was 42.00%, followed by hospital operations and patient support services, and paramedical personnel. This rate of high blood pressure found among nursing professionals is higher than that observed in the literature.[46] The rate of adherence varies widely and can be as

low as 10% or as high as 92%. In developed countries, adherence to therapies averages 50%, with around half the time being intentional.[47]” – This aspect of the discussion is not very relevant in the overall objective of the study; kindly delete

- “The average time for diagnosis of hypertension among hospital workers in Jose R. Reyes Memorial Medical Center was 6 months to 5 years (49.60%)” – What is meant by the average time for diagnosis? Patients cannot say when the disease process starts until they are diagnosed. Kindly clarify.

References

- Authors to delete those linked to the “Abstract”
- To follow the specifications of the journal.