Reviewer’s report

Title: Medication adherence influencing factors – an (updated) overview of systematic reviews

Version: 0 Date: 10 Jan 2019

Reviewer: Serawit Deyno

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Title: Adherence influencing factors - an overview (update)

General comment

This manuscript describes overview of adherence influencing factors in chronic diseases conditions. It describes disease cross cutting adherence influencing factors. Its finding will have paramount importance for clinicians, adherence councilors, policy makers and health care workers. It however requires revision of the language and discussion part before its publication. In addition, it requires addressing the concerns here under.

Abstract

* Line 30, delete "might"

* Line 34, what does (06/2018) mean? Is that the beginning or end of the study?

* Why only Medline and Embase? Why not other databases?

* Line 57 is not necessary

Background

* The significance and rationale of the study is not adequately explained?

Method

* "The search was performed on June the 13th 2018". Was the search conducted only in one day?
Line 92, Adult patients with physical chronic diseases? What does physical mean? Which chronic diseases? What if the primary studies composed of adult and children mixed?

When did we say a patient adhered according to this manuscript? 90%, 95% intake? Adherence should be clearly defined in the primary systematic reviews and follow nearly similar pattern? Even what was the measurement of adherence (self-report, table count, biomarker). As this parameter widely vary among studies it will also case significant heterogeneity among studies making difficult to combine the findings. How this heterogeneity issue was handled in the primary systematic review and this SR of SRs?

Results

* It'd better to present the result in graph or table for easy understanding

Discussions

* How and why ethnic minority negatively affects adherence needs discussion. What does ethnic minority mean? It's clear that ethnic minority in one geographical area could be ethnic majority in other geographic area.

* The effects of many of adherence influencing factor is uncertain in this study. And this is systematic review of systematic reviews. Could we, therefore, concluded that "adherence cannot be predicted based on the factors stated in the manuscript"? Or else can we recommend better study with novel methodology? If so, what method?

Declarations

* Remove the track changes

**Level of interest**
Please indicate how interesting you found the manuscript:

An article whose findings are important to those with closely related research interests

**Quality of written English**
Please indicate the quality of language in the manuscript:

Needs some language corrections before being published
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No