Reviewer’s report

Title: How stable is lung function in patients with stable chronic obstructive pulmonary disease when monitored using a telehealth system? A longitudinal and home-based study

Version: 0 Date: 25 Dec 2019

Reviewer: Jamileh Farokhzadian

Reviewer's report:

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Title

How stable is a stable patient with chronic obstructive pulmonary disease? A longitudinal, home-based study of lung function

Thank you for inviting me to review this paper. This paper reports an important issue in patients with COPD. There are however some revisions that needs clarification.

Title

I suggested that title: How stable is patient with chronic obstructive pulmonary disease by telehealth systems? A Longitudinal and home-based study

The end of the title does not need a dot. It should also be included in the title a sign of the purpose of the study, such as the use of telehealth or Mobile home monitoring system

Abstract

Put the abbreviations correctly after the full name in parentheses such as chronic obstructive pulmonary disease (COPD).

Some abbreviations are after the comma and this is not true such as and inspiratory capacity, (IC)

results
what is the 2SD

Main background

Put the abbreviations correctly after the full name in parentheses such as chronic obstructive pulmonary disease (COPD).

Some abbreviations are after the comma and this is not true such as and inspiratory capacity, (IC)

Please write all the abbreviations and full names in the journal format at the end of the manuscript.

The sequence of paragraphs in the introduction is not well stated and no semantic relationships can be found between the paragraphs.

Do we need the correct data to implement telehealth requirements or do we need the telehealth to get the correct data?

The need to implement tele health is not understood because the whole study is concerned with obtaining accurate data and it does not say what tele health are going to help and what problems to solve at present study. Because this study can be done at home without using tele health and then are collected the recorded data and next are analyzed (What is the necessity of tele health)

Methods

Participants and study design:

Remove ethical code from Participants and study design and transfer it to ethical approval.

What is mMRC?

Is the 4 to 6 month timeframe selected for a specific reason? This is not mentioned or why measurements are taken three times a week.

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

No
Are the conclusions drawn adequately supported by the data shown?  
If not, please explain in your comments to the authors.

Yes

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?  
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I recommend additional statistical review

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

Acceptable

Declaration of competing interests  
Please complete a declaration of competing interests, considering the following questions:

1. Have you in the past five years received reimbursements, fees, funding, or salary from an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

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there is no problem.

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