

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 45157

Title: Non-invasive home lung impedance monitoring in early post-acute heart failure discharge: Three case reports

Reviewer's code: 02729101

Reviewer's country: Italy

Science editor: Fang-Fang Ji

Date sent for review: 2018-12-20

Date reviewed: 2018-12-22

Review time: 4 Hours, 2 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input checked="" type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input checked="" type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The paper suffer from the limited number of cases that may only suggest the need for further studies. The three figures clearly show that changes in impedance were not associated with weight changes and in the discussion is reported that "Though the



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monitoring of weight changes caused by fluid retention is routinely recommended for HF patients[8], several studies showed that many episodes of worsening HF did not appear to be associated with weight gain; therefore, the value of weight monitoring for HF management was questioned[9,10]. " May you give some explanations about this ? Has been this method compared with chest echo in hospital or in outpatients settings?

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

BPG Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 45157

Title: Non-invasive home lung impedance monitoring in early post-acute heart failure discharge: Three case reports

Reviewer's code: 02919566

Reviewer's country: Italy

Science editor: Fang-Fang Ji

Date sent for review: 2018-12-20

Date reviewed: 2019-01-06

Review time: 5 Hours, 17 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input checked="" type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input checked="" type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input checked="" type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The paper presents three cases of patients who underwent lung impedance monitoring. The possible usefulness of this technique is clearly shown but the following points should be better discussed: - Lung impedance is able to detect lung congestion. However,



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in the case of right heart failure this technique could be less sensitive than total body impedance measurement. - there are other techniques able to monitor lung impedance. In particular, Optivol by Medtronic. The authors should briefly discuss the advantages and disadvantages of their approach compared with the other currently available. - At which change of impedance the authors recommend changes in diuretic dose? Is there a possible variability in the impedance related to the chest conformation? - Cost effectiveness of the technique should be briefly discussed.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- ☐ The same title
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- ☐ Plagiarism
- ☐ No

BPG Search:

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- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No