



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-223-8242
E-mail: bpgoffice@wjgnet.com
<https://www.wjgnet.com>

PEER-REVIEW REPORT

Name of journal: World Journal of Critical Care Medicine

Manuscript NO: 45427

Title: Assessment of quadriceps muscle thickness using bedside ultrasonography by nurses and physicians in the intensive care unit: Intra- and inter-operator agreement

Reviewer's code: 02577402

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Professor

Reviewer's country: China

Author's country: India

Reviewer chosen by: Fang-Fang Ji (Quit in 2019)

Reviewer accepted review: 2019-04-15 07:50

Reviewer performed review: 2019-04-18 13:06

Review time: 3 Days and 5 Hours

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 type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input 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 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 type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-223-8242
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

In this MS, the authors assessed quadriceps muscle thickness using bedside USG by nurses and physicians in ICU. Some problems existed. 1. The language needs to be improved because some grammar mistakes. 2. In the Methodology section, the authors should mentioned that all the patients had given their signed informed consent to participate in this study. 3. Results: Please use your own language to describe the major results and outcomes of the study. It is absolutely not good to just present the tables for the reader to check themselves. Please describe the major outcomes of the tables.

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 Critical Care Medicine

Manuscript NO: 45427

Title: Assessment of quadriceps muscle thickness using bedside ultrasonography by nurses and physicians in the intensive care unit: Intra- and inter-operator agreement

Reviewer's code: 02008546

Position: Peer Reviewer

Academic degree: NA

Professional title: NA

Reviewer's country: Italy

Author's country: India

Reviewer chosen by: Fang-Fang Ji (Quit in 2019)

Reviewer accepted review: 2019-04-15 07:13

Reviewer performed review: 2019-04-22 14:44

Review time: 7 Days and 7 Hours

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 type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input 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 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 type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

In this observational study, authors investigated if non medical professionals could perform bedside US for the assessment of muscle mass in the ICU. Although this is not new (Sabatino A et al 2017 a dietitian and a nephrologist performed the measurements for the assessment of inter-observer reliability), findings were positive, which could allow for a broader application of the US technique for muscle mass evaluation. Introduction 1. In the second paragraph, please rephrase the following sentence “MRC score assessment and anthropometry requires patients’ full alertness and effort and normal hydration status, respectively” to “ MRC score assessment requires patient to be fully alert, while anthropometry depends on a normal hydration status”. 2. Second paragraph, affirmation that “ muscle thickness is a good surrogate of muscle function”: That affirmation is not necessarily true, you can say that muscle thickness correlates to muscle function, but it is not a surrogate, since a good muscle mass not always represents a good or preserved muscle function (). Muscle fibers may have fat infiltration and fibrosis, which interfere with muscle quality and function (). That said, you can’t say that DEXA, CT and MRI provide information regarding muscle function, only muscle quantity and quality (CT and MRI only). 3. Include the following bibliography together with references 8 and 9: Sabatino A et al. Reliability of bedside ultrasound for measurement of quadriceps muscle thickness in critically ill patients with acute kidney injury. Clin Nutr. 2017 Dec;36(6):1710-1715. Discussion 1. Second paragraph, sentence “Recently, USG has been used more frequently for assessment of muscle functions.(8, 9)”: correct to muscle mass (see comments above)

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- ☐ The same title
- ☐ Duplicate publication



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-223-8242
E-mail: bpgoffice@wjgnet.com
<https://www.wjgnet.com>

[] Plagiarism

[Y] No

BPG Search:

[] The same title

[] Duplicate publication

[] Plagiarism

[Y] No

PEER-REVIEW REPORT

Name of journal: World Journal of Critical Care Medicine

Manuscript NO: 45427

Title: Assessment of quadriceps muscle thickness using bedside ultrasonography by nurses and physicians in the intensive care unit: Intra- and inter-operator agreement

Reviewer's code: 00189260

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Professor

Reviewer's country: Czech Republic

Author's country: India

Reviewer chosen by: Fang-Fang Ji (Quit in 2019)

Reviewer accepted review: 2019-04-20 12:42

Reviewer performed review: 2019-04-24 06:14

Review time: 3 Days and 17 Hours

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 checked="" type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input checked="" 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 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



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-223-8242
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

The article is interesting, analysis is excellent and material and method very good. I only do not know, why to measure quadriceps muscle thickness?

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

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

BPG Search:

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