

PEER-REVIEW REPORT

Name of journal: World Journal of Critical Care Medicine

Manuscript NO: 65731

Title: Incremental value of compression ultrasound sonography in the emergency department

Reviewer's code: 05382551

Position: Editorial Board

Academic degree: PhD

Professional title: Associate Professor

Reviewer's Country/Territory: Spain

Author's Country/Territory: Italy

Manuscript submission date: 2021-03-14

Reviewer chosen by: Man Liu

Reviewer accepted review: 2021-03-16 11:26

Reviewer performed review: 2021-03-18 18:35

Review time: 2 Days and 7 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
<https://www.wjgnet.com>

SPECIFIC COMMENTS TO AUTHORS

The authors present a proposal to recognize deep vein thrombosis (DVT) using non-invasive techniques. The article is well written and its reading is fluent. The subject of the article is within the scope of the journal. The proposal described in the article is novel, and provides some interesting ideas. However, in order to improve the article, it is proposed to structure the article in: Introduction, Material and methods, Results, Discussion and Conclusions. In particular, the conclusions section should be extended, and the proposal evaluated with other similar proposals in the discussion section.

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Reviewer's code: 03816367

Position: Peer Reviewer

Academic degree: MBChB

Professional title: Lecturer, Staff Physician

Reviewer's Country/Territory: United Kingdom

Author's Country/Territory: Italy

Manuscript submission date: 2021-03-14

Reviewer chosen by: Man Liu

Reviewer accepted review: 2021-03-18 20:18

Reviewer performed review: 2021-03-20 23:48

Review time: 2 Days and 3 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input checked="" type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input type="checkbox"/> Anonymous <input checked="" type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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SPECIFIC COMMENTS TO AUTHORS

The early detection of deep venous thrombosis is paramount to reduce the risk of thromboembolism in the critically unwell patient reducing the associated morbidity and mortality. This is an important aspect that the authors have highlighted and they should be commended on this. The authors have described in detail the use of ultrasound in the diagnosis of DVT with a pictorial representation of the different stages of thrombosis with the associated ultrasonic appearance. The role of D-dimer in the diagnosis of DVT is limited and a normal D-dimer with a low Wells Score can then only be used to rule out a possible diagnosis of DVT. This fact needs to be stressed upon as we have seen there is at times an over-reliance on this non-specific blood test. Whilst the authors have described in great depths the process of imaging and the caveats associated with each method. The article does not add a great deal of new scientific knowledge into the pre-existing literature. it would be worthwhile to apply this into clinical practice and the results from the study could be used to highlight the different aspects that the authors aim to portray.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Reviewer's code: 05382551

Position: Editorial Board

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Professional title: Associate Professor

Reviewer's Country/Territory: Spain

Author's Country/Territory: Italy

Manuscript submission date: 2021-03-14

Reviewer chosen by: Man Liu

Reviewer accepted review: 2021-04-14 11:27

Reviewer performed review: 2021-04-14 11:36

Review time: 1 Hour

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The paper can be accepted in current form.

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Reviewer chosen by: Man Liu

Reviewer accepted review: 2021-04-14 17:14

Reviewer performed review: 2021-04-14 17:23

Review time: 1 Hour

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Thank you considering the suggested changes to your article. With the inclusion and modifications to the text, the message is clearer to the reader.