

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastrointestinal Surgery*

Manuscript NO: 80443

Title: Minimum platelet count threshold before invasive procedures in cirrhosis:
Evolution of the guidelines

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05122201

Position: Peer Reviewer

Academic degree: DNB, MD

Professional title: Additional Professor

Reviewer's Country/Territory: India

Author's Country/Territory: Italy

Manuscript submission date: 2022-09-27

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-09-28 10:06

Reviewer performed review: 2022-10-05 11:06

Review time: 7 Days and 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 Grade E: Do not publish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 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 type="checkbox"/>] Anonymous [<input checked="" type="checkbox"/>] Onymous
	Conflicts-of-Interest: [<input type="checkbox"/>] Yes [<input checked="" type="checkbox"/>] No

SPECIFIC COMMENTS TO AUTHORS

1. The authors have reviewed the guidelines on platelet counts and cirrhosis. It would be worthwhile quoting the recent studies which have reported data on the effect of thrombocytopenia and risks for procedure complications, as these have not been reviewed while making the presently available guidelines. These recent studies will get incorporated in the new guidelines. Moreover, this will add strength to the present review. 2. The authors should add a paragraph about the significant limitations and future directions in this field. 3. Moderate thrombocytopenia is defined as 50-100,000. Do the authors mean 50 or 50,000? 4. The authors should discuss the effect of platelet transfusion in patients with cirrhosis and acute variceal bleeding and associated outcomes in light of recent literature 5. The authors mention: "Platelet transfusion should be considered for low bleeding risk procedures that require arterial access when platelet count is <20,000/ μ L and for high bleeding risk if platelet count is <50,000/ μ L, obtaining an appropriate pre-procedural coagulation testing. (28)" As the understanding of coagulation in cirrhosis is being understood better, discuss how thromboelastography has helped in transfusion of blood products before procedures in these patients. 6. Recent data suggest that platelet transfusions may be associated with adverse events in patients with variceal bleeding. 7. The grammar needs correction. Many sentences are unclear. E.g. On the other hand, all there were studies that did not show any correlation between bleeding risk and coagulation tests (48). 8. Check spelling throughout the text. Eg. cateter

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Title: Minimum platelet count threshold before invasive procedures in cirrhosis:
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Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05769246

Position: Peer Reviewer

Academic degree: MD

Professional title: Professor

Reviewer's Country/Territory: Egypt

Author's Country/Territory: Italy

Manuscript submission date: 2022-09-27

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-10-15 14:19

Reviewer performed review: 2022-10-17 22:38

Review time: 2 Days and 8 Hours

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



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Peer-reviewer statements	Peer-Review: [<input checked="" type="radio"/>] Anonymous [<input type="radio"/>] Onymous
	Conflicts-of-Interest: [<input type="radio"/>] Yes [<input checked="" type="radio"/>] No

SPECIFIC COMMENTS TO AUTHORS

I read carefully your manuscript titled, Minimum threshold of platelet count before invasive procedures in cirrhosis: evolution of the guidelines and i found that it is a very well written manuscript and it will help a lot to this field.

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Manuscript NO: 80443

Title: Minimum platelet count threshold before invasive procedures in cirrhosis:
Evolution of the guidelines

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06400655

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Brazil

Author's Country/Territory: Italy

Manuscript submission date: 2022-09-27

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-10-13 19:37

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Review time: 10 Days and 6 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" 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 type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input checked="" 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

SPECIFIC COMMENTS TO AUTHORS

1 Title. Does the title reflect the main subject/hypothesis of the manuscript? Yes 2
Abstract. Does the abstract summarize and reflect the work described in the manuscript?
Yes 3 Key words. Do the key words reflect the focus of the manuscript? Yes 4
Background. Does the manuscript adequately describe the background, present status
and significance of the study? Yes. 5 Methods. Does the manuscript describe methods
(e.g., experiments, data analysis, surveys, and clinical trials, etc.) in adequate detail?
Does not apply to study format. 6 Results. Are the research objectives achieved by the
experiments used in this study? What are the contributions that the study has made for
research progress in this field? Yes. The study reveals that the positioning of the main
guidelines in relation to the risk of bleeding in invasive procedures performed in
patients with chronic liver disease has changed. There seems to be a tendency to abolish
the minimum platelet count safety limit for performing various procedures, with the
need to individually evaluate each case, but studies of better methodological quality
need to be carried out to support such decision making. 7 Discussion. Does the
manuscript interpret the findings adequately and appropriately, highlighting the key
points concisely, clearly and logically? Are the findings and their applicability/relevance
to the literature stated in a clear and definite manner? Is the discussion accurate and
does it discuss the paper's scientific significance and/or relevance to clinical practice
sufficiently? Partially. I suggest that the authors explore further the results of
thrombopoietin receptor agonists in patients with chronic liver disease, as these drugs
represent a promising strategy in the treatment of thrombocytopenia (PMID: 34748184,
PMID: 30762895, and PMID: 35836089). A recent study (PMID: 32810307), involving



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cancer patients, revealed that a platelet count below $50 \times 10^9 / L$ was not associated with a higher incidence of post-puncture complications. The aforementioned study may enrich the discussion regarding the topic "lumbar puncture", although it does not specifically involve patients with chronic liver disease. It would be interesting to address platelet count and bleeding risk in laparotomy and laparoscopy procedures. 8 Illustrations and tables. Are the figures, diagrams and tables sufficient, good quality and appropriately illustrative of the paper contents? Do figures require labeling with arrows, asterisks etc., better legends? Clear and concise tables. It is not necessary to make any changes. 9 Biostatistics. Does the manuscript meet the requirements of biostatistics? Does not apply to study format. 10 Units. Does the manuscript meet the requirements of use of SI units? Yes. 11 References. Does the manuscript cite appropriately the latest, important and authoritative references in the introduction and discussion sections? Does the author self-cite, omit, incorrectly cite and/or over-cite references? The authors use recent and extremely important references to approach the theme. The use of such references seems to be correct. 12 Quality of manuscript organization and presentation. Is the manuscript well, concisely and coherently organized and presented? Is the style, language and grammar accurate and appropriate? Yes 13 Research methods and reporting. Authors should have prepared their manuscripts according to manuscript type and the appropriate categories, as follows: (1) CARE Checklist (2013) - Case report; (2) CONSORT 2010 Statement - Clinical Trials study, Prospective study, Randomized Controlled trial, Randomized Clinical trial; (3) PRISMA 2009 Checklist - Evidence-Based Medicine, Systematic review, Meta-Analysis; (4) STROBE Statement - Case Control study, Observational study, Retrospective Cohort study; and (5) The ARRIVE Guidelines - Basic study. Did the author prepare the manuscript according to the appropriate research methods and reporting? Does not apply to study format. 14 Ethics statements. For all manuscripts involving human studies and/or animal experiments, author(s)

must submit the related formal ethics documents that were reviewed and approved by their local ethical review committee. Did the manuscript meet the requirements of ethics? Does not apply to study format.