



## PEER-REVIEW REPORT

**Name of journal:** World Journal of Hepatology

**Manuscript NO:** 63816

**Title:** Fatal arterial hemorrhage after pancreaticoduodenectomy: How do we simultaneously accomplish complete hemostasis and hepatic arterial flow?

**Reviewer's code:** 03756484

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

**Reviewer's Country/Territory:** France

**Author's Country/Territory:** Japan

**Manuscript submission date:** 2021-02-03

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-02-03 10:48

**Reviewer performed review:** 2021-02-08 10:12

**Review time:** 4 Days and 23 Hours

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer statements</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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#### **SPECIFIC COMMENTS TO AUTHORS**

This manuscript concerns a very important subject. The authors put forward the use of "covered stent placement" in all cases when possible and the results in terms of mortality seems quite good. Moreover, they describe a technique of arterioportal shunting to limit liver ischemia in case of impossibility to preserve arterial liver blood supply. Perhaps, the "discussion chapter" could be shorter but all things which enter into account in the management of this extremely serious complication are described and well developed.



## PEER-REVIEW REPORT

**Name of journal:** World Journal of Hepatology

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**Title:** Fatal arterial hemorrhage after pancreaticoduodenectomy: How do we simultaneously accomplish complete hemostasis and hepatic arterial flow?

**Reviewer's code:** 04964353

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Surgeon

**Reviewer's Country/Territory:** Italy

**Author's Country/Territory:** Japan

**Manuscript submission date:** 2021-02-03

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-02-07 21:32

**Reviewer performed review:** 2021-02-22 09:04

**Review time:** 14 Days and 11 Hours

<b>Scientific quality</b>	<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
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer statements</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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## **SPECIFIC COMMENTS TO AUTHORS**

Well written manuscript describing 16 patients with fatal GI bleeding in 14-year-old experience of PD surgery. Authors confirmed the need of a customized treatment in such rare but life-threatening complication. Endo should be the first-line approach even if several questions emerged. Embolization is very effective in stopping the hemorrhage but the risk of liver ischemia is considerable. Use of covered stent may be a good option in order to stop the bleeding and preserve blood flow. Patients with worse clinical conditions at PD surgery had worse results after EVT. These are my suggestions Which is your first line in the treatment of fatal bleeding after PD; in other words, can you better describe your decisional chart in order to understand the cases in which one approach is preferred over the other one? Please discuss the rationale of use a balloon expandable graft over self expandable. Please discuss the technical data of endo approach: sizing and length of balloon (more longer may be related to high risk of collateral coverage and onset of liver ischemia), the arterial access, type of anesthesia. Which is your post-operative medical protocol (heparin, single-dual antiplatelets), even after discharge? Concerns exist on use of covered stent graft in infected field. Did this setting modify your choice of treatment between open vs coils vs stent-graft? The main limit of this study is the small cohort of patients. A table of available cases in literature on use of covered stent vs embolization may be useful to understand the effectiveness of such approaches. I think too much references are reported. Please consider to choose only the most significant. Table OK Figure: OK



## RE-REVIEW REPORT OF REVISED MANUSCRIPT

**Name of journal:** World Journal of Hepatology

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**Title:** Fatal arterial hemorrhage after pancreaticoduodenectomy: How do we simultaneously accomplish complete hemostasis and hepatic arterial flow?

**Reviewer's code:** 03756484

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

**Reviewer's Country/Territory:** France

**Author's Country/Territory:** Japan

**Manuscript submission date:** 2021-02-03

**Reviewer chosen by:** Chen-Chen Gao

**Reviewer accepted review:** 2021-03-08 08:23

**Reviewer performed review:** 2021-03-08 17:42

**Review time:** 9 Hours

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
<b>Language quality</b>	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
<b>Conclusion</b>	<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
<b>Peer-reviewer statements</b>	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



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Point-by-point responses in the revised manuscript are clear and complete.



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**Academic degree:** MD

**Professional title:** Surgeon

**Reviewer's Country/Territory:** Italy

**Author's Country/Territory:** Japan

**Manuscript submission date:** 2021-02-03

**Reviewer chosen by:** Chen-Chen Gao

**Reviewer accepted review:** 2021-03-08 05:31

**Reviewer performed review:** 2021-03-14 06:19

**Review time:** 6 Days

<b>Scientific quality</b>	<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
<b>Language quality</b>	<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
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No further comments. Thank you.