

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 46305

Title: Application of 3D-printed "fistula stent" in plugging enteroatmospheric fistula with open abdomen: A case report

Reviewer's code: 03728203

Reviewer's country: Poland

Science editor: Jia-Ping Yan

Date sent for review: 2019-02-18

Date reviewed: 2019-02-19

Review time: 13 Hours, 1 Day

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 checked="" 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 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 contents of the case report is very interesting as it presents an innovative approach to the difficult problem of EAF. The described patient was treated in very individualised way that included implantation a tailor-made 3D printed stent. The described method of



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treatment is certainly interesting and deserves to be published. As for the comments - I think that the abstract lacks a conclusive sentence about authors opinion if the described intervention was successful or not. Outcomes and discussion lack the final treatment plan - will the stent be removed? Are the authors afraid that the stent will grow into the intestinal wall and its removal will be a very mutilating procedure complicated by another great wound? Technical comments - It seems that Care Checklist file is broken. Maybe is the fault of my software – then sorry.

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 Gastroenterology

Manuscript NO: 46305

Title: Application of 3D-printed "fistula stent" in plugging enteroatmospheric fistula with open abdomen: A case report

Reviewer's code: 02845261

Reviewer's country: Greece

Science editor: Jia-Ping Yan

Date sent for review: 2019-02-18

Date reviewed: 2019-02-20

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

This is an interesting paper presenting the application of a new device, a 3D-printed "fistula stent" in plugging enteroatmospheric fistula in the early stage of open abdomen therapy. -The authors analyze very well the use of open abdomen therapy in severe



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sepsis and abdominal compartment syndrome and point out that an enteroatmospheric fistula complicates severely the intraabdominal infection and increases patient mortality.

-The device they propose seems to be better than previously used devices. It is easily applicable in the bowel lumen and seems to reduce the amount of enteric effluent in short time. However, they need to apply their stent in a series of patients with this problem in order to prove the efficacy of this technique. Anyway the paper could be acceptable for publication as a preliminary paper presenting this technique for the first time.

-The authors need to improve the language throughout the paper and use better medical terms in some points. For instance in page 3, the term *energieloss* should be changed to energy loss or cachexia, and the *orificium fistula* should be changed as: the orifice of the fistulous tract. In page 6 they should also eliminate the term *fistuloclysis*.

-The Figures and tables are well presented in the paper.

INITIAL REVIEW OF THE MANUSCRIPT

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BPG Search:

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- ☐ [Y] No

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 46305

Title: Application of 3D-printed "fistula stent" in plugging enteroatmospheric fistula with open abdomen: A case report

Reviewer's code: 03254314

Reviewer's country: Spain

Science editor: Jia-Ping Yan

Date sent for review: 2019-02-18

Date reviewed: 2019-02-20

Review time: 16 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

Please confirm patient received informed consent Could you please explain in the text how do you hold the stent inside the bowel



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INITIAL REVIEW OF THE MANUSCRIPT

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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 46305

Title: Application of 3D-printed "fistula stent" in plugging enteroatmospheric fistula with open abdomen: A case report

Reviewer's code: 03034605

Reviewer's country: India

Science editor: Jia-Ping Yan

Date sent for review: 2019-02-18

Date reviewed: 2019-02-22

Review time: 2 Hours, 4 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 type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input 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 checked="" 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 checked="" 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 authors have reported an interesting technique of management of enteroatmospheric fistula. However, I am surprised that despite the manuscript being edited by American Journal Experts there are numerous grammatical mistakes and



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incorrectly framed sentences throughout the manuscript. I have following comments for the authors: 1. Title - reflects the content but needs to be grammatically correct. 2. Abstract - the sentences have not been framed correctly for the readers to understand the case report. 3. Keywords - Appropriate 4. Introduction - It appropriately describes the significance of the study but there are several grammatical mistakes. 5. The case description needs to be extensively edited for better understanding. 6. Despite the use of novel 3D stent, there was high enteric output from the fistula due to which we cannot conclude that the stent was effective based on this single case report. 7. The limitations and benefits of the novel stent needs to be discussed in more details.

INITIAL REVIEW OF THE MANUSCRIPT

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BPG Search:

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- ☐ Plagiarism
- ☐ No

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 46305

Title: Application of 3D-printed "fistula stent" in plugging enteroatmospheric fistula with open abdomen: A case report

Reviewer's code: 01220621

Reviewer's country: Japan

Science editor: Jia-Ping Yan

Date sent for review: 2019-02-18

Date reviewed: 2019-02-24

Review time: 2 Hours, 6 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 type="checkbox"/> Grade B: Very good	<input checked="" 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 checked="" type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

It is my pleasure to review this interesting article and I think this is a case report using 3D fistula stent and this may potentially be accepted with revisions. However, here are my comments. This case report is unique in the point of view using 3D printed fistula



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stent. Major Fistula stent should emphasize to control contamination and keep conduit. As authors described, stent could decrease the amount of enteric fistula effluent, but could not control completely. I think this case report just described the course of the patient complicated EAF. This method might decrease the days in the hospital, but I cannot tell this method worked effectively. Since this is just only a case without control groups, I cannot tell this 3D printed fistula stent is better than other methods Could you explain why 3d printed fistula stent is better than other methods? I could not tell how authors treat EAF in the end. Minor On Page 2, "Th2e" should revise this. Authors used the date, such as "December 11". I think authors should change them. Most of the part authors described well and this type report is scarce and I think there is worth to be published. I would like authors to refine the manuscript and resubmit this paper. Thank you so much for this great opportunities to review this valuable manuscript. Please let me know if you have any questions.

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BPG Search:

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