BAISHIDENG PUBLISHING GROUP INC
7901 Stoneridge Drive, Suite 501, Pleasanton, CA 94588, USA
Telephone: +1-925-223-8242 Fax: +1-925-223-8243
E-mail: bpgoffice@wjgnet.com http://www.wjgnet.com

PEER-REVIEW REPORT

Name of journal: World Journal of Hepatology
Manuscript NO: 34154
Title: Novel synthetic adhesive as an effective alternative to Fibrin based adhesives
Reviewer's code: 03475479
Reviewer's country: Japan
Science editor: Fang-Fang Ji
Date sent for review: 2017-04-14
Date reviewed: 2017-04-14

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
[ ] Grade A: Excellent	[ ] Grade A: Priority publishing	Google Search:	[ ] Accept
[ ] Grade B: Very good	[Y] Grade B: Minor language polishing	[ ] The same title	[ ] High priority for publication
[Y] Grade C: Good	[ ] Grade C: A great deal of language polishing	[ ] Duplicate publication	[ ] Rejection
[ ] Grade D: Fair	[ ] Grade D: Rejected	[ ] Plagiarism	[Y] Minor revision
[ ] Grade E: Poor		[Y] No	[ ] Major revision
		BPG Search:	
		[ ] The same title	
		[ ] Duplicate publication	
		[ ] Plagiarism	
		[Y] No	

COMMENTS TO AUTHORS

The manuscript is well-written and the data shown in the mansucript was understandable. But several issues may be addressed. 1. Bleeding mass was higher at 21 days only in NaCl group. Whiy? 2. Bleeding time was not differnt at 21 days only in each group. Why? 3. ALT value was higher at 21 days inky in MAR-1 group. Why? I think these differences were due to the variety of surgucal interventions. If more number of mice wer included, these differences will be abscent. Authors should discuss these points to show the safety of MAR-1. 4. Authors mentioned that liver resection is the only curative treatment options for hepatocellular cancer. But loco-regional therapy such as radio frequency ablation is also curative treatment opition for small hepatocellular cancer.

BAISHIDENG PUBLISHING GROUP INC
7901 Stoneridge Drive, Suite 501, Pleasanton, CA 94588, USA
Telephone: +1-925-223-8242 Fax: +1-925-223-8243
E-mail: bpgoffice@wjgnet.com http://www.wjgnet.com

PEER-REVIEW REPORT

Name of journal: World Journal of Hepatology
Manuscript NO: 34154
Title: Novel synthetic adhesive as an effective alternative to Fibrin based adhesives
Reviewer's code: 01800318
Reviewer's country: Greece
Science editor: Fang-Fang Ji
Date sent for review: 2017-04-25
Date reviewed: 2017-04-29

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
[ ] Grade A: Excellent	[Y] Grade A: Priority publishing	Google Search:	[ ] Accept
[Y] Grade B: Very good	[ ] Grade B: Minor language polishing	[ ] The same title	[ ] High priority for publication
[ ] Grade C: Good	[ ] Grade C: A great deal of language polishing	[ ] Duplicate publication	[ ] Rejection
[ ] Grade D: Fair	[ ] Grade D: Rejected	[ ] Plagiarism	[Y] Minor revision
[ ] Grade E: Poor		[Y] No	[ ] Major revision
		BPG Search:	
		[ ] The same title	
		[ ] Duplicate publication	
		[ ] Plagiarism	
		[Y] No	

COMMENTS TO AUTHORS

This is an experimental study that compares the efficacy and safety of a MAR1 substance as a surgical adhesive to other 3 groups of mice relative to other commercially available "haemostatic glue" (Beriplast) and NaCl. It is a well-written and well-documented study in very good and appropriate language So, on my opinion the paper needs some minor necessary amendments: 1. Authors could comment and mention that the elevated levels of ALT observed with MAR 1 should attributed rather to surgery itself or anesthesia than to the use of substance by the patient. 2. Could authors provide a possible explanation why there was an increase in hemorrhage with NaCL only on 21st day and not on day 14th and 90th?

BAISHIDENG PUBLISHING GROUP INC
7901 Stoneridge Drive, Suite 501, Pleasanton, CA 94588, USA
Telephone: +1-925-223-8242 Fax: +1-925-223-8243
E-mail: bpgoffice@wjgnet.com http://www.wjgnet.com

PEER-REVIEW REPORT

Name of journal: World Journal of Hepatology
Manuscript NO: 34154
Title: Novel synthetic adhesive as an effective alternative to Fibrin based adhesives
Reviewer's code: 00002314
Reviewer's country: Italy
Science editor: Fang-Fang Ji
Date sent for review: 2017-04-25
Date reviewed: 2017-04-30

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
[ ] Grade A: Excellent	[ ] Grade A: Priority publishing	Google Search:	[ ] Accept
[ ] Grade B: Very good	[Y] Grade B: Minor language polishing	[ ] The same title	[ ] High priority for publication
[Y] Grade C: Good	[ ] Grade C: A great deal of language polishing	[ ] Duplicate publication	[ ] Rejection
[ ] Grade D: Fair	[ ] Grade D: Rejected	[ ] Plagiarism	[ ] Minor revision
[ ] Grade E: Poor		[Y] No	[Y] Major revision
		BPG Search:	
		[ ] The same title	
		[ ] Duplicate publication	
		[ ] Plagiarism	
		[Y] No	

COMMENTS TO AUTHORS

The Authors show data in favour of a novel, polyurethane based, surgical adhesive on a liver resection rat model. This is a well written study. Methods are adequate and results clearly presented. The authors conclude that compared to fibrin, MAR-1 showed similar hemostatic properties, no adverse effects, and is biocompatible. MAJOR point I am concerned that the authors might have underestimated the importance of ALT elevation, which is not adequately addressed. They simply state that "Although the ALT levels were significantly higher in the MAR-1 group, the values were well within the physiological range." In my opinion, this aspect should be thoroughly addressed, considering the composition of MAR-1 and discussing the liver toxicity potential of each component. The authors should also provide more details (wherever possibile, because I understand confidentiality reasons) on the development of MAR-1.

BAISHIDENG PUBLISHING GROUP INC
7901 Stoneridge Drive, Suite 501, Pleasanton, CA 94588, USA
Telephone: +1-925-223-8242 Fax: +1-925-223-8243
E-mail: bpgoffice@wjgnet.com http://www.wjgnet.com

PEER-REVIEW REPORT

Name of journal: World Journal of Hepatology
Manuscript NO: 34154
Title: Novel synthetic adhesive as an effective alternative to Fibrin based adhesives
Reviewer's code: 00068720
Reviewer's country: China
Science editor: Fang-Fang Ji
Date sent for review: 2017-04-25
Date reviewed: 2017-05-06

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
[ ] Grade A: Excellent	[ ] Grade A: Priority publishing	Google Search:	[ ] Accept
[ ] Grade B: Very good	[Y] Grade B: Minor language polishing	[ ] The same title	[ ] High priority for publication
[ ] Grade C: Good	[ ] Grade C: A great deal of language polishing	[ ] Duplicate publication	[ ] Rejection
[Y] Grade D: Fair	[ ] Grade D: Rejected	[ ] Plagiarism	[Y] Minor revision
[ ] Grade E: Poor		[Y] No	[ ] Major revision
		BPG Search:	
		[ ] The same title	
		[ ] Duplicate publication	
		[ ] Plagiarism	
		[Y] No	

COMMENTS TO AUTHORS

1. The authors reported MAR-1 showed similar hemostatic properties, no adverse effects on a liver resection model. The paper is of some scientific interest and clinical value. 2. The quality of work reported in the paper is average. (1) The quality of Figure 4 is not good. The authors should add the μCT scans of MAR-1 rat on day 14, 21, and 90 post-operative days. (2) In Figure 5 and Legends, the survival rate between the three groups should be explained in more detail, and if possible, add some statistical parameters (P value, e.g.).How about the results of Mantel-Cox test?