



**PEER-REVIEW REPORT**

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 46561

**Title:** Gadoteric acid-enhanced magnetic resonance imaging can predict the pathologic stage of solitary hepatocellular carcinoma

**Reviewer’s code:** 02992965

**Reviewer’s country:** China

**Science editor:** Ruo-Yu Ma

**Reviewer accepted review:** 2019-03-12 13:31

**Reviewer performed review:** 2019-03-16 16:06

**Review time:** 4 Days and 2 Hours

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 type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input checked="" 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 type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input checked="" 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**

1.Explain what pathological changes associate with peritumoral hypointensity in hepatobiliary phase. 2.Why CA-19-9 of pT2 group were much higher than pT1? how many cases? 3.Interval between the dates of imaging and surgery were too long.



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4.Previous studies show that DWI and ADC can predict HCC stage, you can compare detail values of ADC, not just compare high or low. 5.In method part, add detail parameters of MRI (TR/TE/slice thickness/NEX, et, al)

#### **INITIAL REVIEW OF THE MANUSCRIPT**

##### ***Google Search:***

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**PEER-REVIEW REPORT**

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 46561

**Title:** Gadoteric acid-enhanced magnetic resonance imaging can predict the pathologic stage of solitary hepatocellular carcinoma

**Reviewer's code:** 02439915

**Reviewer's country:** China

**Science editor:** Ruo-Yu Ma

**Reviewer accepted review:** 2019-03-19 04:48

**Reviewer performed review:** 2019-03-22 00:50

**Review time:** 2 Days and 20 Hours

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:
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**SPECIFIC COMMENTS TO AUTHORS**

no

**INITIAL REVIEW OF THE MANUSCRIPT**



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**PEER-REVIEW REPORT**

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 46561

**Title:** Gadoteric acid-enhanced magnetic resonance imaging can predict the pathologic stage of solitary hepatocellular carcinoma

**Reviewer's code:** 00182114

**Reviewer's country:** Japan

**Science editor:** Ruo-Yu Ma

**Reviewer accepted review:** 2019-03-19 12:15

**Reviewer performed review:** 2019-03-23 03:30

**Review time:** 3 Days and 15 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input checked="" 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 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**

This is very interesting paper. Author concluded that large tumor size, corona enhancement, and peritumoral hypointensity in hepatobiliary phase were associated with high risk of microvascular invasion. Other paper saying that Histopathology



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confirmed that MVI were observed in 17 of 66 HCCs. Univariate analysis showed tumor size ( $p = 0.003$ ), margin ( $p = 0.013$ ), peritumor enhancement ( $p = 0.001$ ), and hypointensity during hepatobiliary phase ( $p = 0.004$ ) were associated with MVI. (Prediction of Microvascular Invasion in Hepatocellular Carcinoma: Preoperative Gd-EOB-DTPA-Dynamic Enhanced MRI and Histopathological Correlation. Contrast Media Mol Imaging. 2018 ) I think this paper is similar to author's opinion. I found the paper saying that Serum Alp was a simple, accurate and inexpensive alternative to predict MVI and an independent risk factor of prognosis for HCC patients. (A new laboratory-based algorithm to predict microvascular invasion and survival in patients with hepatocellular carcinoma International of surgery 2018) I ask question to author. Please comment Alp for the diagnosis of microvascular invasion of HCC.

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