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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 53091

Title: Single-nucleotide polymorphisms of HLA and Polygonum multiflorum-induced liver injury in Han Chinese population

Reviewer's code: 01805500

Position: Peer Reviewer

Academic degree: CCST, MD

Professional title: Adjunct Professor, Professor, Research Scientist, Senior Researcher, Senior Scientist, Teacher

Reviewer's country: Italy

Author's country: China

Manuscript submission date: 2019-12-05

Reviewer chosen by: Jin-Zhou Tang

Reviewer accepted review: 2019-12-27 02:09

Reviewer performed review: 2019-12-27 10:04

Review time: 7 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
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<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 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 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 type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

Authors are kindly requested to clearly state that not only Polygonum multiflorum is one of the leading causes of herbal-induced liver injury, but also another natural substance is a major cause of DILI, as clearly demonstrated by previous research, such asDrug-induced liver injury due to "natural products" used for weight loss: A case report. ... WJG, 2009.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

BPG Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism



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[Y] No

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 53091

Title: Single-nucleotide polymorphisms of HLA and Polygonum multiflorum-induced liver injury in Han Chinese population

Reviewer's code: 02519060

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Professor

Reviewer's country: Japan

Author's country: China

Manuscript submission date: 2019-12-05

Reviewer chosen by: Jin-Zhou Tang

Reviewer accepted review: 2019-12-30 03:20

Reviewer performed review: 2019-12-30 10:28

Review time: 7 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 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

To investigate the association between single-nucleotide polymorphisms (SNPs) and polygonum multiflorum-induced liver injury (PM-DILI), the authors studied SNPs in 73 PM-DILI patients, 118 other drug-induced liver injury (other-DILI) patients and 191 healthy controls and concluded that rs1055348, which could be a tag for HLA-B*35:01, was specific for PM-DILI. The authors' conclusion is not novel because it is same as the previous paper (ref. 15). Furthermore their study did not include validation cohort. However, this study is interesting in that they showed that rs1055348 SNP could be a tag for HLA-B*35:01. I have several questions to the authors. 1. How did the authors recruit DILI patients? Please describe more details on the recruitment criteria. 2. Please describe the background of DILI patients. How long were the patients taking PM? Did they take other medicine? 3. When analysis is limit to the patients taking single PM, how is the association with rs1055348? 4. Are there any differences in background variables including ALT and TBil between PM-DILI patients with rs1055348 major and those with rs1055348 minor?

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

BPG Search:

- ☐ The same title



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[] Duplicate publication

[] Plagiarism

[Y] No

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 53091

Title: Single-nucleotide polymorphisms of HLA and Polygonum multiflorum-induced liver injury in Han Chinese population

Reviewer's code: 03887097

Position: Editorial Board

Academic degree: MBBS, MSc

Professional title: Doctor

Reviewer's country: Singapore

Author's country: China

Manuscript submission date: 2019-12-05

Reviewer chosen by: Jin-Zhou Tang

Reviewer accepted review: 2020-01-01 14:55

Reviewer performed review: 2020-01-02 16:38

Review time: 1 Day and 1 Hour

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 type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input checked="" 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 a generally competent study. I have the following major and minor comments for the authors to consider. Specific comments: 1. Please change "herbal-induced liver injury" to "herb-induced liver injury (HILI)". 2. In the introduction, authors should also mention some salient clinical aspects of DILI, e.g. the diagnosis of DILI can be difficult to make as it relies largely on the exclusion of other potential causes and it requires a high index of suspicion as patients are often asymptomatic (citation: [ncbi.nlm.nih.gov/pubmed/31749902](https://pubmed.ncbi.nlm.nih.gov/31749902)). 3. Please change "To promote the clinical application of PM" to "To improve the safe use of PM". 4. Please provide the actual institutional review board (IRB) study/approval number. 5. Was the study protocol prospectively registered? 6. How was sample size determined? There is currently no evidence of power calculation. 7. Scientific names such as "Radix Bupleuri" and "Malaytea Scurfpea" should be italicized and written according to binomial nomenclature. 8. Please define the abbreviations "ALT, AST and Tbil" in the first instance of their use. 9. "Few studies have compared clinical differences between PM-DILI and other-DILI." In general, it is thought that the clinical manifestations of herb-induced liver injury (HILI) are identical to those of drug-induced liver injury (DILI) (citation: [ncbi.nlm.nih.gov/pmc/articles/PMC6027193](https://pubmed.ncbi.nlm.nih.gov/pmc/articles/PMC6027193)). 10. Please change "Limitation occurs that the sample size is small" to "Limitations include the small sample size". There are also other limitations the authors have failed to mention.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

☐ The same title

☐ Duplicate publication



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☐ Plagiarism

☐ No

BPG Search:

☐ The same title

☐ Duplicate publication

☐ Plagiarism

☐ No

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 53091

Title: Single-nucleotide polymorphisms of HLA and Polygonum multiflorum-induced liver injury in Han Chinese population

Reviewer's code: 00503536

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Doctor

Reviewer's country: Japan

Author's country: China

Manuscript submission date: 2019-12-05

Reviewer chosen by: Jin-Zhou Tang

Reviewer accepted review: 2019-12-27 03:07

Reviewer performed review: 2020-01-03 11:48

Review time: 7 Days and 8 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 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 checked="" 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 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



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SPECIFIC COMMENTS TO AUTHORS

The manuscript written by Yang W-N et al. describes the SNP analysis of HLA for the understanding of genetic predisposition of Polygonum multiflorum-induced liver injury. The study is well performed and the manuscript is well written. Since prediction of susceptibility to a drug that could cause liver injury for each people is important, this kind of analysis is valuable. In addition, this kind of approach could be available for other drugs that are reported to be a cause of liver injury.

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- ☐ No

BPG Search:

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- ☐ Plagiarism
- ☐ No