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ESPS Peer-review Report
Name of Journal: World Journal of Hepatology
ESPS Manuscript NO: 5325
Title: Methylsulfonylmethane suppresses hepatic tumor development through activation of apoptosis
Reviewer code: 02446083
Science editor: Cui, Xue-Mei
Date sent for review: 2013-08-30 13:44
Date reviewed: 2013-09-02 14:20

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
[ ] Grade A (Excellent)	[ ] Grade A: Priority Publishing	Google Search:	[ ] Accept
[ ] Grade B (Very good)	[ ] Grade B: minor language polishing	[ ] Existed	[ ] High priority for publication
[Y] Grade C (Good)	[Y] Grade C: a great deal of language polishing	[ ] No records	[ ] Rejection
[ ] Grade D (Fair)	[ ] Grade D: rejected	BPG Search:	[ ] Minor revision
[ ] Grade E (Poor)		[ ] Existed	[Y] Major revision
		[ ] No records	

COMMENTS TO AUTHORS
The paper describes the reduction of tumor cell growth in vitro and tumor reduction in Ras(G12V) transgenic mice using MSM. It would be more useful to have a transgenic mouse model that is more closely related to the human hepatic carcinoma.

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Science editor: Cui, Xue-Mei
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[ ] Grade A (Excellent)	[ ] Grade A: Priority Publishing	Google Search:	[ ] Accept
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[Y] Grade C (Good)	[ ] Grade C: a great deal of language polishing	[ ] No records	[ ]Rejection
[ ] Grade D (Fair)	[ ] Grade D: rejected	BPG Search:	[ ] Minor revision
[ ] Grade E (Poor)		[ ] Existed	[Y] Major revision
		[ ] No records	

COMMENTS TO AUTHORS
An interesting manuscript investigating the importance of methylsulfonylmethane (MSM) in hepatic tumor development. Major finding of the study was that activates apoptosis. Comments; 1. Abstract should be completely restructured according to the journal style and subheadings, e.g. aims, methods, results, etc. 2. please shorten introduction, the molecular structure of MSM is probably not needed here 3. Statistical methods need revision, probably the use of a T-test with separate variance estimated and a two-tailed ANOVA would be more appropriate-please do not use simple two-tailed T-test or one-way ANOVA. 4. Please do not mix results with conclusion and in the revised results delete sentences like "These data suggest that MSM suppresses liver damage in H-ras12V transgenic mice. Taken together MSM has an effect to inhibit hepatic tumorigenesis in H-ras12V transgenic mice" these should be moved to discussion only 5. Since only the highest dose was efficacious, please discuss if this dose could be feasible to be used in humans? 6. Please revise discussion and discuss in details the potentials for human use.