

## ESPS PEER-REVIEW REPORT

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

**ESPS manuscript NO:** 14985

**Title:** Inhibitory effects of emodin, baicalin, schizandrin and berberine on multidrug resistance of Helicobacter pylori strains: Role of hefA gene expression

**Reviewer's code:** 01043916

**Reviewer's country:** United States

**Science editor:** Jin-Lei Wang

**Date sent for review:** 2014-11-02 21:36

**Date reviewed:** 2014-11-27 12:18

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

## COMMENTS TO AUTHORS

Good job! Can be accepted for publication.

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**ESPS manuscript NO:** 14985

**Title:** Inhibitory effects of emodin, baicalin, schizandrin and berberine on multidrug resistance of Helicobacter pylori strains: Role of hefA gene expression

**Reviewer's code:** 02099526

**Reviewer's country:** United States

**Science editor:** Jin-Lei Wang

**Date sent for review:** 2014-11-02 21:36

**Date reviewed:** 2014-11-24 19:35

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

## COMMENTS TO AUTHORS

Good study, can be accepted for publication.

## ESPS PEER-REVIEW REPORT

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

**ESPS manuscript NO:** 14985

**Title:** Inhibitory effects of emodin, baicalin, schizandrin and berberine on multidrug resistance of *Helicobacter pylori* strains: Role of hefA gene expression

**Reviewer's code:** 00843410

**Reviewer's country:** Australia

**Science editor:** Jin-Lei Wang

**Date sent for review:** 2014-11-02 21:36

**Date reviewed:** 2014-11-24 19:50

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	PubMed Search:	<input type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Duplicate publication	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		BPG Search:	<input type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

## COMMENTS TO AUTHORS

In this study, the authors investigated the inhibitory effects of emodin, baicalin, schizandrin and berberine on MDR of *H. pylori* strains, and the mRNA expression of efflux pump hefA in MDR strains. A total of four MDR *H. pylori* strains were screened. The treatment with emodin, baicalin, schizandrin or berberine significantly decrease the MICs of amoxicillin and tetracycline against some *H. pylori* strains, possibly via mechanisms associated with decreasing hefA mRNA expression. 1 Some minor language polishing needed. 2 References are updated. Good. 3 Results are well discussed. 4 Manuscript need editing.