



# BAISHIDENG PUBLISHING GROUP INC

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## ESPS PEER-REVIEW REPORT

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

**ESPS manuscript NO:** 29010

**Title:** Effects of asymmetrical dimethylarginine on renal arteries in portal hypertension and cirrhosis

**Reviewer's code:** 00068278

**Reviewer's country:** Turkey

**Science editor:** Ze-Mao Gong

**Date sent for review:** 2016-07-30 19:18

**Date reviewed:** 2016-08-09 18:53

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	Google Search:	<input checked="" type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B: Very good	<input 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 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

Asymmetric dimethylarginine (ADMA) is a new molecule that tested its value as a marker is being tested for many diseases and situations; cardiovascular diseases, statin usage, etc. In the presented study the effects of ADMA on basal and induced releases of nitric oxide (NO) in renal arteries from portal hypertensive and cirrhotic rats were investigated and was shown that ADMA inhibited both basal and induced NO in renal arteries. This inhibition may prevent the relaxation of renal arteries and may contribute to renal impairment. The study is a well designed and conducted one. It may contribute to the pathophysiology and to the development strategies to prevent/treat of hepatorenal syndrome.



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## ESPS PEER-REVIEW REPORT

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

**ESPS manuscript NO:** 29010

**Title:** Effects of asymmetrical dimethylarginine on renal arteries in portal hypertension and cirrhosis

**Reviewer's code:** 00068215

**Reviewer's country:** Romania

**Science editor:** Ze-Mao Gong

**Date sent for review:** 2016-07-30 19:18

**Date reviewed:** 2016-08-16 01:45

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> [ Y] Accept
<input type="checkbox"/> [ Y] Grade B: Very good	<input 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		<input type="checkbox"/> [ Y] No	<input type="checkbox"/> [ ] Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input type="checkbox"/> [ Y] No	

### COMMENTS TO AUTHORS

Please, check the english language



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## ESPS PEER-REVIEW REPORT

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

**ESPS manuscript NO:** 29010

**Title:** Effects of asymmetrical dimethylarginine on renal arteries in portal hypertension and cirrhosis

**Reviewer's code:** 00182864

**Reviewer's country:** Turkey

**Science editor:** Ze-Mao Gong

**Date sent for review:** 2016-07-30 19:18

**Date reviewed:** 2016-08-19 16:14

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input 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 checked="" 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

Dear AUTHORS, This study seems to be good enough. Sincerely



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## ESPS PEER-REVIEW REPORT

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

**ESPS manuscript NO:** 29010

**Title:** Effects of asymmetrical dimethylarginine on renal arteries in portal hypertension and cirrhosis

**Reviewer's code:** 00050424

**Reviewer's country:** Greece

**Science editor:** Ze-Mao Gong

**Date sent for review:** 2016-07-30 19:18

**Date reviewed:** 2016-08-22 05:49

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	Google Search:	<input checked="" type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B: Very good	<input 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 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

It is a well written article. The study is well designed. I do not know the clinical significance of these results.



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## ESPS PEER-REVIEW REPORT

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

**ESPS manuscript NO:** 29010

**Title:** Effects of asymmetrical dimethylarginine on renal arteries in portal hypertension and cirrhosis

**Reviewer's code:** 00034635

**Reviewer's country:** Spain

**Science editor:** Ze-Mao Gong

**Date sent for review:** 2016-07-30 19:18

**Date reviewed:** 2016-08-24 12:29

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> [ Y ] 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 checked="" type="checkbox"/> Grade C: Good		<input type="checkbox"/> Duplicate publication	
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> [ ] Rejection
<input type="checkbox"/> Grade E: Poor		<input checked="" type="checkbox"/> [ Y ] No	<input type="checkbox"/> [ ] Minor revision
	<input type="checkbox"/> Grade D: Rejected	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"/> [ Y ] No	

### COMMENTS TO AUTHORS

In this manuscript Segarra et al studied the effect of asymmetric dimethyl-arginine (ADMA) on the renal arteries of two models of murine portal hypertension, one of the pre-hepatic and the other one biliary cirrhosis. Whilst ADMA competes with L-Arginine (the precursor of endothelial NO) and competitively inhibits NO-synthase, its role in the renal dysfunction of cirrhosis and even in human pathology remains unclear. These results show that ADMA may induce renal arterial vasoconstriction in BDL cirrhosis but not in pre-hepatic portal hypertension animals, thereby it suggests the importance of liver dysfunction in endothelial-dependent renal vasoconstriction of cirrhosis. Actually, ADMA is partly catabolized by hepatic DDAH and this enzyme activity was lower in the BDL group. Although of clinical interest, ADMA pathogenetic role in cirrhosis and HRS is still uncertain as its circulating concentration may be extremely low as to produce clinically relevant effects. Overall, its role in human pathology have yielded inconsistent results (Loscalzo et al 2004). Minor comments: 1. Bile duct ligation is the preferred term for this murine model of cirrhosis and PHT. 2. Obstructive jaundice it-self may induce renal dysfunction in humans. Conceivably,



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hyperbilirubinaemia may sensitize arterial vasculature to endogenous vasoconstrictors. Please, discuss.