

## ESPS PEER-REVIEW REPORT

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

**ESPS manuscript NO:** 17122

**Title:** Mechanisms of lipid dysregulation in persons infected with HCV, and impact of statin therapy upon clinical outcomes

**Reviewer's code:** 00053556

**Reviewer's country:** Egypt

**Science editor:** Ya-Juan Ma

**Date sent for review:** 2015-02-13 17:46

**Date reviewed:** 2015-02-21 21:21

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

Comments to the Editor: Thanks for inviting me to review the article entitled "Mechanisms of lipid dysregulation in persons infected with HCV, and impact of statin therapy upon clinical outcomes".

Overall Comment: The provided manuscript was carefully reviewed. The chosen topic is of great interest and attracts a lot of researchers. It adds much in understanding the link between the virus and the host cell emphasizing its close relation to the host lipid metabolism. The work submitted by Simon and Butt is an article that reviews the HCV life cycle as it impacts host lipoproteins and lipid metabolism. It then describes the pathogenesis of HCV-related hepatic steatosis, hypocholesterolemia and atherosclerosis, and finally describes the promising anti-viral and anti-fibrotic effects of statins, for the treatment of CHC. Understanding the virus pathogenesis and its impact on lipid metabolism is of fundamental importance for the development of effective antiviral drugs. The manuscript is well written and an overall constructive theoretical analysis of the available data is adequately covered. Comments to the authors: Minor Comment: o Minor editing polishing is needed o Language evaluation: "A". REFERENCES: Relevant and sufficient references



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were adequately cited; however, PMID/DOI is not well maintained for all the cited references.

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

**ESPS manuscript NO:** 17122

**Title:** Mechanisms of lipid dysregulation in persons infected with HCV, and impact of statin therapy upon clinical outcomes

**Reviewer's code:** 00054993

**Reviewer's country:** Austria

**Science editor:** Ya-Juan Ma

**Date sent for review:** 2015-02-13 17:46

**Date reviewed:** 2015-03-15 22:26

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

This is a comprehensive review of the close relationship between HCV viral life cycle and host lipid metabolism, focussing especially on interactions between HCV binding to and entry into the human hepatocyte, HCV protein expression and HCV mediated perturbations in cholesterol metabolism. It highlights clinical implications of these interactions and describes current knowledge of the impact of statin medication on morphologic and clinical outcomes in patients with chronic hepatitis C. The pros and contras of statin use as co-medication in hepatitis C treatment are presented well balanced and with caution. The review is well organized, up to date and despite the complexity of the processes involved well to read.