

## ESPS PEER REVIEW REPORT

**Name of journal:** World Journal of Virology

**ESPS manuscript NO:** 14221

**Title:** Current molecular methods for the detection of Hepatitis C virus in high risk group population: a systematic review

**Reviewer code:** 00742222

**Science editor:** Fang-Fang Ji

**Date sent for review:** 2014-09-26 09:07

**Date reviewed:** 2014-10-07 00:50

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	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 type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> Existing	<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"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	BPG Search:	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input type="checkbox"/> Existing	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

## COMMENTS TO AUTHORS

This is an interesting review in which the methods for HCV diagnosis and monitoring are described. The emerging methodologies are also discussed. The message and revision of the different techniques is clear with adequate references to illustrate every issue. Please revise the following paragraphs: 1- Section: Detection of HCV core antigen in plasma or serum. Line 2 The HCV core antigen is thought to detect viral antibodies within the sero-conversion period and can be used to successfully utilize to monitor antiviral therapy. Some sentences need to be improved in terms of language: Examples 2- Section: Enzyme Immunoassay (EIA) for HCV detection in serum or plasma. Page 5 and 6. ? In developing countries like India too, WHO recommended the use of 3rd generation HCV EIA kits. ? from the non structural NS4 region, was used until 1992, at which time it was replaced by a second-generation EIA 3- Section: Quantitative assay. Page 12 ...and the number of PCR cycles needed for detect amplified products whereas in qualitative assays based on RT-PCR, amplicon detection was at the end.