



## PEER-REVIEW REPORT

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

**Manuscript NO:** 37520

**Title:** Detection of Fusion Gene in Cell-Free DNA of a Gastric Synovial Sarcoma

**Reviewer's code:** 00039368

**Reviewer's country:** Estonia

**Science editor:** Ze-Mao Gong

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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 checked="" 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 very well done and in detail written case report and experimental study concerning detection of the fusion gene sequence in plasma circulating cell-free DNA in patient with gastric synovial sarcoma. The authors used RT-PCR for detection of SYT-SSX2 fusion gene expression in tissue RNA. A locked nucleic acid (LNA) probe specific to the fusion sequence and primers across this sequence were used for detecting the fusion sequence in plasma. The authors have done important evaluation of highly specific locked nucleic acid probe and primer sets for the SYT-SSX2 fusion gene sequence and detected the sequence in cfDNA extracted from the plasma of a primary gastric synovial sarcoma patients. A virtue of this study underline the inclusion in the study of 10 healthy volunteers. The authors described well the background of the study. The description of methods used is very precise. The Discussion is written well and gives us a good overview about the importance and the contribution of methods



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used and results of this study for practical gastroenterology and can be useful in monitoring of translocation-derived diseases such synovial sarcoma.