

ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Surgical Procedures

ESPS manuscript NO: 22257

Title: Should Multi-Gene Panel Testing Replace Limited BRCA1/2 Testing? : A Review of Genetic Testing for Hereditary Breast and Ovarian Cancers

Reviewer's code: 01752296

Reviewer's country: Australia

Science editor: Jin-Xin Kong

Date sent for review: 2015-08-23 16:07

Date reviewed: 2015-10-08 07:33

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input checked="" 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"/> 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 type="checkbox"/> Plagiarism	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

COMMENTS TO AUTHORS

This paper is a well-written summary of the issues related to genetic panels. It is easy to read and lay-friendly, however does not add anything new to the literature. Overall, I found the summary to be somewhat biased towards a positive view of genetic panels. In my view it overplays the success of panels and underplays issues pertaining to unverified findings. Some very significant papers with opposing views are omitted from the report (eg FD Euston et al, n engl j med 2015; 372;23.). I believe it would need to be revised to provide a more balanced perspective. The COI with recent associations with Ambry are a significant concern, although openly disclosed.

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Title: Should Multi-Gene Panel Testing Replace Limited BRCA1/2 Testing? : A Review of Genetic Testing for Hereditary Breast and Ovarian Cancers

Reviewer's code: 00003649

Reviewer's country: South Korea

Science editor: Jin-Xin Kong

Date sent for review: 2015-08-23 16:07

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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 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 review paper, Dr Kapoor and Banks reviewed the BRCA genetic testing and discussed the advantages and/or limitation of multi-gene panel testing. This manuscript comprehensively reviewed the BRCA1/2 genes from discovery to clinical implications. Also the authors introduced the recent technical shifting from single gene testing to multi-gene panel testing by using NGS. They discussed the advantages and limitations of the multi-gene panel testing in diverse aspects such as medical, legal, social, and ethical points. This paper is well organized and written. One comment: What is the definition of 'patient' in this paper?