

## ESPS PEER-REVIEW REPORT

**Name of journal:** World Journal of Ophthalmology

**ESPS manuscript NO:** 15845

**Title:** Advances in retinal imaging modalities: Challenges and opportunities

**Reviewer's code:** 00505209

**Reviewer's country:** Poland

**Science editor:** Xue-Mei Gong

**Date sent for review:** 2014-12-12 09:40

**Date reviewed:** 2014-12-17 07:59

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 checked="" type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input checked="" type="checkbox"/> High priority for publication
<input 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 type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Minor revision
		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

I consider this paper to have important data that would be of interest if published. One of the major problems of modern ophthalmology is that many physicians especially in smaller centers all over the world do not have access to this modern technology and they even do not know what for are these machines. So I commend this paper to EiC for prompt publication to share the knowledge of the latest achievements in ophthalmic technique.

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		<input checked="" type="checkbox"/> No	

## COMMENTS TO AUTHORS

I have few recommendations that should be included in the text: 1. A paragraph should be included on RETCAM imaging for ROP. 2. They should mention that stereo imaging is also possible with infra-red. 3. With the Heidelberg HRA there is also a non-contact wide field lens that produces images similar to the Optos Optomap. 4. Although Optos Optomap claims to produce 200 degree images, in clinical practice it is less than that and also there is a problem with the eyelashes artefact. The authors used Figure-8 to illustrate the Optos which is not the best example so they should include a wider field image to illustrate this better. Also they should include an HRA widefield image to compare the two techniques. 5. They should discuss other useful options on the Heidelberg HRA such as: multi-colour imaging and compare this to the Optos Optomap colour images. Also the use of different reflectance imaging such as with blue, green and infra-red laser with the cSLO. Each reflectance light gives more information about different layers in the retina since the penetration level is different. 6. The EDI capability of the OCT is more relevant for uveitis cases (especially if choroid is the primary source of inflammation such as cases of VKH) than for measuring choroidal thickness in diabetic maculopathy. 7. They should discuss the HRA capability of producing EDI and EVI



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(Enhanced vitreous) and en face and discuss clinical use. 8. Also a discussion on the use of cSLO for RNFL analysis and BMO (Bruch's membrane opening) for glaucoma management should be included. 9. Should discuss what are the unmet needs in clinical practice and what new techniques could be invented or are needed.