

**ESPS Peer-review Report**

**Name of Journal:** World Journal of Clinical Oncology

**ESPS Manuscript NO:** 8612

**Title:** Clinical Application of DNA Ploidy to Cervical Cancer Screening: a Review

**Reviewer code:** 02527607

**Science editor:** Wen, Ling-Ling

**Date sent for review:** 2013-12-31 19:17

**Date reviewed:** 2014-01-07 09:37

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
[ Y] Grade A (Excellent)	[ ] Grade A: Priority Publishing	Google Search:	[ ] Accept
[ ] Grade B (Very good)	[ Y] Grade B: minor language polishing	[ ] Existed	[ Y] High priority for publication
[ ] Grade C (Good)	[ ] Grade C: a great deal of language polishing	[ ] No records	[ ] Rejection
[ ] Grade D (Fair)	[ ] Grade D: rejected	[ ] Existed	[ ] Minor revision
[ ] Grade E (Poor)		[ ] No records	[ ] Major revision

**COMMENTS TO AUTHORS**

**GENERAL COMMENTS:** In this manuscript, author has reviewed many recent studies about clinical application of DNA ploidy in cervical cancer screening. According to the following four aspects stated in this paper 1) Compared to conventional liquid based cytology, DNA ploidy measured by AQIC have enormous advantages such as time-saving, high-throughput and easy to launch 2) Analysis and summarize the published articles about DNA ploidy detection in cervical cancer screening 3) The comparison between DNA ploidy detection and hrHPV testing suggest that DNA ploidy is easier and less expensive than hrHPV testing 4) Some suggestions for future research directions about DNA ploidy, author want to help readers to have a comprehensive and accurate understanding for the DNA ploidy of cervical cancer screening. Author's idea is novel and interesting to pursue, and the presentation and readability of the manuscript is good, however, the author need to explain some minor questions. **SPECIFIC COMMENTS:** Minor questions: 1) In page4 line10 to 11, according toauthor stated that "to detect aneuploid cells is to detect cancer cells", aneuploiddetection may do not has ability to identify tumor types, it can just only show the existence of tumor cells. 2) In page 5 line 20 to 21,author said that"aneuploidyis the cause of cancer", obviously, aneuploidy is not the sole cause of cancer, maybe it's just one of the reasons. 3)In page 6 line 8 to 10, author mentioned that "Recent work shows that aneuploidy can be both a promoter and an inhibitor of cancer", so the author's conclusion "aneuploidy is the cause of the cancer" is still correct? 4) In page 7 line 24, author mentioned that "if present, sperm cell nuclei are stained", because sperm cells only have one basic set of chromosomes while the nuclei of epithelial cells and white blood cells have two, so whether the existence of sperm cells will lead to the results of DNA ploidy looks like "mosaic"?

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**Name of Journal:** World Journal of Clinical Oncology

**ESPS Manuscript NO:** 8612

**Title:** Clinical Application of DNA Ploidy to Cervical Cancer Screening: a Review

**Reviewer code:** 02687374

**Science editor:** Wen, Ling-Ling

**Date sent for review:** 2013-12-31 19:17

**Date reviewed:** 2014-01-08 19:51

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"/> Existed	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C (Good)	<input checked="" type="checkbox"/> Grade C: a great deal of language polishing	<input type="checkbox"/> No records	<input type="checkbox"/> Rejection
<input checked="" type="checkbox"/> Grade D (Fair)		BPG Search:	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input checked="" type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

**COMMENTS TO AUTHORS**

Clinical Application of DNA Ploidy to Cervical Cancer Screening is reviewed in this article. As the length of this paper is too long, it is best to make some streamlined. Adequately modified in accordance with the requirements of submission and publication of papers would be necessary.