

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastrointestinal Endoscopy

**Manuscript NO:** 32309

**Title:** Terahertz endoscopic imaging for colorectal cancer detection: Current status and future perspectives

**Reviewer's code:** 00031150

**Reviewer's country:** Germany

**Science editor:** Jin-Xin Kong

**Date sent for review:** 2017-01-05

**Date reviewed:** 2017-01-06

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 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 checked="" 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

This is a comprehensive review of the THZ technology. However in clinical medicine there exist some caveats before publishing: 1) P5, L10: "time consuming and painful process" This is not true in the age of moderate sedation with propofol, well accepted by the patients. 2) P8, table 1 : DBCE can be omitted from the table as it is not more used in screening for CRC. 3) P11, line 14 "... typically fiberoptic" Those tools are not anymore used in clinical medicine. The entire manuscript is written for the difference between normal tissue and cancer. This is not affordable for clinical medicine. Here we wait for methods to discover hyperplastic form adenomatous polyps. A CRC can also be detected by a beginner of colonoscopy.



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### PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastrointestinal Endoscopy

**Manuscript NO:** 32309

**Title:** Terahertz endoscopic imaging for colorectal cancer detection: Current status and future perspectives

**Reviewer's code:** 03036231

**Reviewer's country:** Japan

**Science editor:** Jin-Xin Kong

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

### COMMENTS TO AUTHORS

In this review, authors summarized the steps required for clinical application of terahertz imaging of CRC and provided an update on the current status of terahertz imaging. The imaging system represents a significant step towards clinical endoscopic application for in-vivo colon cancer screening. This paper was written clearly, however I want to know some points of this imaging system as follows as a clinical colorectal cancer surgeon. In the clinical field, early stage cancer (ex, cancer in adenoma, LST) is difficult to diagnose by endoscopy. Figures of this paper looked like advanced cancers, so can the system identify early stage cancers?