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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 46580

Title: Advanced imaging in surveillance of Barrett's esophagus: Is the juice worth the squeeze?

Reviewer's code: 00182114

Reviewer's country: Japan

Science editor: Ruo-Yu Ma

Reviewer accepted review: 2019-04-18 07:00

Reviewer performed review: 2019-04-18 12:00

Review time: 5 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
[ ] Grade A: Excellent [ ] Grade B: Very good [Y] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish	[Y] Grade A: Priority publishing [ ] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection	[ ] Accept (High priority) [ ] Accept (General priority) [Y] Minor revision [ ] Major revision [ ] Rejection	Peer-Review: [Y] Anonymous [ ] Onymous Peer-reviewer's expertise on the topic of the manuscript: [ ] Advanced [Y] General [ ] No expertise Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

This is very interesting paper. Author concluded that advanced imaging technologies have been developed that may help detect dysplasia in Barrett'svesophagus., Barrett's esophagus (BE) is a pre-neoplastic condition formed by the metaplasia of the normal

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squamous mucosa of the distal esophagus into a specialized intestinal mucosa. Its development is mostly associated with chronic injury from gastroesophageal reflux. BE is widely considered the leading risk factor for the development of esophageal adenocarcinoma (EAC). Volumetric laser endomicroscopy (VLE) is a second generation of optical coherence tomography that provides real-time high –resolution cross-sectional; imaging using a balloon catheter with scanning optics. Volumetric laser endomicroscopy (VLE) can be thought of as an analogous technique to ultrasound, however, instead of producing an image from the scattering of sound waves, it utilizes optical scattering based on differences in tissue composition to form a two-dimensional image. I ask some questions to author. 1. Please tell me the benefit of VLE over ultrasound . 2. What advantages and disadvantages are associated with VLE compared with other endoscopic techniques? 3. How safe is VLE compared with other imaging or endoscopic techniques, for example Confocal laser endomicroscopy? 4. Which is most sensitive tool to detect dysplasia of Barrett esophagus, VLE or Confocal laser endomicroscopy,NBI and random biopsies.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

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