

Format for ANSWERING REVIEWERS

August 25, 2014

Dear Editor,



Please find enclosed the edited manuscript in Word format [file name: 16072-Editorial (invited). doc].

Title: Wireless endoscopy in 2020; still a capsule and what form?

Author: Anastasios KOULAOUZIDIS, Dimitris K IAKOVIDIS, Alexandros KARARGYRIS, Emanuele RONDONOTTI.

Name of Journal: *World Journal of Gastroenterology*

ESPS Manuscript NO: 16072

The manuscript has been improved according to the suggestions of reviewers:

1. Formal has been kept the same, as invited manuscript, we had been informed that there are no restriction in size, content or images

2 Revision has been made according to the suggestions of the reviewer

(1) We thank reviewer 1 for his/her acceptance; there are no comments to respond to.

(2) We thank reviewer 2 for his/her comments:

a. The paragraph `NORIKA and SAYAKA` (RF Co., Ltd., Nagano, Japan), must be excluded from this article because of few information in the Japanese Association for Capsule Endoscopy. We apologize, we cannot understand the aim/content of this comment; hence we have not removed, happy to reconsider provision clarification is provided.

b. Please cite the article below to the Mermaid Capsule section. Morita E, Ohtsuka N, Shindo Y, Nouda S, Kuramoto T, Inoue T, Murano M, Umegaki E, Higuchi K. In vivo trial of a driving system for a self-propelling capsule endoscope using a magnetic field (with video) *Gastrointest Endosc* 2010; 72:836-40. This has been done.

(3) We thank reviewer 3 for his/her comments:

a. Dear author, I have read with great interest the paper abovementioned, which represents an exhaustive view of the current prototypes and future perspectives of the technology in capsule endoscopy. Thank you!

b. The paper is a valuable review of the issue, and only minor mistakes have to be remarked:

1. Some sentences seem grammatically incorrect or are difficult to understand: Under the heading Motility Tracking system MST the first phrase should be reviewed. Thank you, this has been done!

Also, the past phrase of the paper ...space for microscopic labs example...should be rewritten. Thank you, this is done!

2. References 5 and 6 show some mistakes. Reference should be deleted. Kind regards. Thanks, done

(4) We thank reviewer 4 for his/her comments:

This is a comprehensive paper, from a team with extensive experience and publication output in capsule endoscopy. They present their views for the non-invasive small endoscopy, based on capsule platforms, for the 5 years ahead. There are plenty of images that always help readability and -to a further extent- increase citation rate. Overall the paper is of high quality. Minor comments: 1. I would recommend including the following studies: (a) Sehyuk Yim; Sitti, M., "3-D Localization Method for a Magnetically Actuated Soft Capsule Endoscope and Its Applications," *Robotics, IEEE Transactions on* ,

vol.29, no.5, pp.1139,1151, Oct. 2013 (b) Yoo, S. S., Rama, S., Szewczyk, B., Pui, J. W., Lee, W., & Kim, L. (2014). Endoscopic capsule robots using reconfigurable modular assembly: A pilot study. *International Journal of Imaging Systems and Technology*, 24(4), 359-365. (c) Kim, B., Lee, S., Park, J. H., & Park, J. O. (2004, August). Inchworm-like microrobot for capsule endoscope. In *Robotics and Biomimetics, 2004. ROBIO 2004. IEEE International Conference on* (pp. 458-463). IEEE. (d) B. Kim, S. Park, C. Y. Jee and S. J. Yoon, "An earthworm-like locomotive mechanism for capsule endoscopes," *Intelligent Robots and Systems, 2005.(IROS 2005). 2005 IEEE/RSJ International Conference on*, pp. 2997-3002, 2005 2. I would recommend including the following project: (a) FP6 TROY <http://www.google.gr/url?sa=t&rct=j&q=&esrc=s&source=web&cd=4&ved=0CDcQFjAD&url=http%3A%2F%2Fcordis.europa.eu%2Fdocuments%2Fdocumentlibrary%2F125822911EN6.pdf&ei=iR2oVJ6wCau1ygOIm4LgCw&usg=AFQjCNEBBdyO052DxsoWjMbw4I-5f-6cbA&sig2=HNxXtcBPLk2fiYusRVQpIw&bvm=bv.82001339,d.bGQ&cad=rja> 3. Hyperlinks should be removed from the headings of the sections and cited within the respective sections of the manuscript. 4. Reference is missing from the nanotechnology section. 5. Is the nanotechnology section related to NEMO project? The relation between these sections should be clarified. 6. Heading "OTHER PROMISING PROJECTS OR COMMERCIAL CAPSULES" is inaccurate. Since no R&D projects are cited, it should better be expressed as "OTHER CAPSULE ENDOSCOPE DESIGNS". All the aforementioned suggestion/changes have been incorporated.

References and typesetting were corrected

Thank you again for publishing our manuscript in the *World Journal of Gastroenterology*.

Sincerely yours,

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