

ANSWERING REVIEWERS



March 22, 2013

Dear Editor,

Please find enclosed the edited manuscript in Word format (file name: 2622-edited.doc).

Title: New ultrasound techniques for lymph node evaluation

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Name of Journal: *World Journal of Gastroenterology*

ESPS Manuscript NO: 2622

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

1 Format has been updated

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

Reviewer 02462366

- (1) This manuscript is a literature review on advances in sonographic techniques for lymph node detection. The topic and the abstract section are relevant to the manuscript. In the introduction section "Introductory considerations", in the second and the third paragraphs Doppler ultrasound is discussed in details. This is beyond the scope of introduction section.

We edited the paragraphs, and some sentences were deleted to make the "Introductory considerations" short.

- (2) The fourth paragraph in the introduction section begins with "in conclusion", it is not appropriate to state conclusion there.

We deleted "in conclusion" and changed the description with "Although Doppler ultrasound techniques have extended the opportunities for the differentiation of malignant from benign lymph nodes by displaying changes of macrovascularity and the vascular resistance [13, 17, 18], they do not improve lymph node detection rate and vascularity is often not be detected in small lymph nodes [19]."

- (3) There are typos both in manuscript body and in the table such as heterogenous----heterogeneous, Yu et alii--- et al., apperance---appearance, eccetric-eccentric?

We corrected them.

- (4) In general this is a good summarization of the recent literature. In my opinion, further explanation of the mentioned sonographic techniques will improve the manuscript and it is needed for the readers of the journal.

We added some sentences to briefly explain each sonographic techniques (CEUS, elastography, CE-EUS, endoscopic elastography)

Reviewer 02493192

- (1) Dear Authors, This is an interesting review that describes new ultrasound techniques in evaluation of lymphadenopathy. While the topic is interesting it is not presented in a format that is easy to read. Manuscript lacks basic information about the nature, mode of action and basic principles of multiple different imaging techniques that authors are describing in the manuscript. It is very important to describe first principles of imaging techniques and then discuss their usefulness in evaluation of lymphadenopathy.

As your suggestion, we added some sentences to briefly describe the basic principles of each sonographic techniques (CEUS, elastography, CE-EUS, endoscopic elastography) in order to make the manuscript easy to read.

- (2) The quality of English language needs to be improved also and below there are the examples of sentences and words that in my opinion require change throughout the whole manuscript. 1. In the Abstract instead of "Conventional ultrasound (US) is the first imaging method..." the word "first" should be changed to "recommended" 2. In the sentence "guidance for LN puncture", puncture should be changed to "biopsy" 3. The sentence: "Complementary to size criteria, CEUS could also be used in the evaluation of changes of neoangiogenesis under antiangiogenic treatment." should be changed as follows: "CEUS could also be used to evaluate response of tumor angiogenesis to anti-angiogenic therapies" 4. Sentence: "In this paper the current literature is reviewed regarding the application of new and innovative US techniques for lymph node evaluation" should also be restructured e.g.: "In this paper we review current literature regarding evaluation of lymphadenopathy by new and innovative US techniques."

We changed all the above mentioned points in the manuscript as your suggestion.

- (3) 5. Sentence: "For imaging superficial LNs with a high frequency probe and for imaging the mediastinal and abdominal LNs with a high frequency endoscopic probe in CE-EUS currently 4.8mL for SonoVue are recommended" should also be restructured e.g.: "Currently, ultrasound contrast agent SonoVue is recommended for..."

We re-organized the sentence. "Currently 4.8mL SonoVue® is recommended for imaging superficial LNs with a high frequency probe and for imaging the mediastinal and abdominal LNs with a high frequency endoscopic probe in CE-EUS."

- (4) 6. Sentence: "Focal hypoenhancement may be caused by overpressure in the LN caused by the neoplastic infiltration" – word overpressure should be clarified in this context

We clarified: "Focal hypoenhancement may be resulted from the partial insufficiency of blood-supply due to the overpressure in the LN caused by the neoplastic infiltration."

- (5) 7. EFSUMB abbreviation should be explained

We explained the abbreviation of EFSUMB. European Federation for Ultrasound in Medicine and Biology (EFSUMB)

- (6) All figures require additional explanation and very clear description of the most important findings they represent. The information in the figure legend is not sufficient for the reader to understand and interpret fully the figure content.

We added several arrows in the figures and we added some words (additional explanation) in almost all the legends to make the description clearer. The changes were marked.

3 References and typesetting were corrected

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

Sincerely yours,



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