



PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 72283

Title: Advances in the imaging of gastroenteropancreatic neuroendocrine neoplasms

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 00058381

Position: Editorial Board

Academic degree: MD

Professional title: Professor

Reviewer's Country/Territory: Austria

Author's Country/Territory: India

Manuscript submission date: 2021-10-11

Reviewer chosen by: Jin-Lei Wang

Reviewer accepted review: 2021-10-14 07:28

Reviewer performed review: 2021-10-15 20:51

Review time: 1 Day and 13 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous

statements

Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

(1) This manuscript deals with imaging of gastroenteropancreatic neuroendocrine neoplasms. It does not really break new ground, but it provides an overview on the topic, including illustrative images, and may also be seen as an incentive for further research. (2) Endoscopic ultrasound: "EUS is particularly useful in the detection of benign insulinomas that lack somatostatin receptors and consequently not detected on somatostatin receptor scintigraphy/SPECT/PET and pancreatic and extrapancreatic (duodenal) gastrinomas, both of which have generally small size (average 1 cm) at detection." - This sentence requires improvement. (3) Endoscopic ultrasound: "CEUS can also be performed through EUS with the use of second generation UCAs (eg. Sonovue), which produce harmonic signals at low acoustic powers has enabled CE - EUS at low acoustic powers." - This statement is unclear, please rephrase it. (4) Perfusion CT: "NENs are among the tumors with significant angiogenesis and interestingly the relationship between intratumoral MVD and tumor prognosis are unlike those usually seen in other types of tumors." - Please correct this sentence. (5) Please check the names used in this manuscript (Computed tomography, third paragraph: "Rodallac" -> Rodaltec; MR perfusion: "Toft's" model -> Tofts model (the name of its describer is Paul Tofts)). (6) Figure 3: "show large hypoenhancing areas" -> shows large hypoenhancing areas; a) -> a. (7) Figure 4: "b-d. Color coded parametric maps for b) blood volume (b), blood flow (c) and mean transit time (d) of the normal pancreas and the tumor (arrow)" - please clarify this part of figure legend 4; A. -> a.; f) -> f. (8) Some language polishing is required; e.g., Diffusion kurtosis imaging: "infact" -> in fact; MR Elastography: "differentiation benign from malignant pancreatic masses" -> differentiation of benign from malignant pancreatic masses; etc.



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Position: Peer Reviewer

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Author's Country/Territory: India

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statements

Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

The manuscript entitled “Advances in the Imaging of Gastroenteropancreatic Neuroendocrine Neoplasms” summarizes the advances of imaging techniques in GEPNENs. The manuscript is well-prepared and acceptable if some small defects are addressed. 1. It is necessary to emphasize the focus of the manuscript, and add a discussion on favorable imaging techniques which can be applied to predict the grade of GEPNENs preoperatively in the last part. 2. Future prospects for each imaging method should be added to each section. 3. I suggest the authors add a table to summarize some important clinical trials about the usage of imaging techniques in the clinical management of GEP-NENs.