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## **Answering reviewers for re-review**

### **SPECIFIC COMMENTS TO AUTHORS**

The object of the minireview is very interesting and topical in pancreatic lesion. However some changes are needed in order to better explain the use of radiofrequency ablation. In particular: In Introduction session you state that Whipple operation mortality in 4.1%. I imagine that this data regards high-volume centers. Could you specify it in the text? -> **Issue has been solved as requested.** In the last part of the introduction you state that EUS RFA is used to treat pancreatic masses. I believe that is fundamental to specify that RFA is used to treat pancreatic lesions in a multidisciplinary context and evaluation. Please could you insert it in the text? --> **Issue has been solved as requested.** In the starting part of "surgical treatment in pancreatic malignancy" paragraph you state that adjuvant chemotherapy is usually becoming the standard treatment of pancreatic cancer. Did you mean neo-adjuvant treatment? Please specify. --> **Issue has been solved as requested.** In the paragraph "radiofrequency ablation treatment and its role in pancreatic malignancy you just mentioned that radiofrequency ablation is a "thermal" therapy. I understand that this is a minireview but maybe a short explanation of method, techniques and devices used is necessary for not-technical about the issue. For example there are different ablation methods (following temperature increase or impedance) and probes (surgical, endoscopic with catheters or needles). Moreover a brief explanation about physical principles is needed. Please, can you better specify? --> You stated: "system using the electrical current from a generator with monopolar electrode" added usually with monopolar electrode please, because bipolar pancreatic probes not usable under endoscopic control exist. Please, remove "The cooling system using water-based with cooled needle (cool-tip system). The electrode types are single internally cooled electrode, cluster internal cooled electrode system, and variations (StarBurst from RITA



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and LeVeen from Boston Scientific)" because is related only to the endoscopic pancreatic probe and the generator is not correct. **(RESPONSE: This statement has been revised)** In this session you explain every type of probes (also surgical) and this is not correct. **(RESPONSE: This is explained regarding the RFA management in pancreatic cancer)** In "innovation on EUS-RFA in pancreatic malignancy" you have discussed the specific use of the system with EUS. Please, better explain this system (needle probe with electrode on the tip, working with the generator following impedance, peristaltic pump for needle perfusion with chilled solution,...). --> Please, insert here the EUS-system description previous reported removing the specific name of the generator which is incorrect. **(RESPONSE: This statement has been added)** Moreover, you cited few articles about the issue. Other experiences have been done and have been reported in literature, in particular more recent experiences. Please, verify the completeness of reported references and add new bibliographic voices in the text (both regarding NET or PDAC). --> Some references have been missed for example: Rossi G et al. Endoscopic ultrasound radiofrequency ablation of pancreatic insulinoma in elderly patients: Three case reports. World J Clin Cases 2022. In reference 29 you reported in the text the name of the author "Nucci", please modify with the correct surname "de Nucci et al." **(RESPONSE: the reference has been added and the author name has been revised accordingly)**

Response to the reviewers:

Good study minor language corrections needed

**Answer: The manuscript has been evaluated by the English language editor.**

The author discusses the role of endoscopic ultrasound-guided radiofrequency ablation in pancreatic space-occupying lesions. It is recommended to appropriately increase endoscopic ultrasound and the knowledge of radiofrequency ablation in the introduction section. This manuscript can be accepted for publication.

**Answer: This issue has been added in the introduction section.**

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explanation about physical principles is needed. Please, can you better specify? In “innovation on EUS-.RFA in pancreatic malignancy” you have discussed the specific use of the system with EUS. Please, better explain this system (needle probe with electrode on the tip, working with the generator following impedance, peristaltic pump for needle perfusion with chilled solution,...). Moreover, you cited few articles about the issue. Other experiences have been done and have been reported in literature, in particular more recent experiences. Please, verify the completeness of reported references and add new bibliographic voices in the text (both regarding NET or PDAC).

Answer: The text has been revised accordingly. The technique about RFA, the needle or probe used, and the RFA system have been explained in the revised manuscript. Studies about EUSRA on pNET and PDAC also have been added.