

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 78531

Title: Vibrational spectroscopy - are we close to finding a solution for early pancreatic cancer diagnosis?

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05123031

Position: Editorial Board

Academic degree: Doctor, MD, PhD

Professional title: Associate Professor

Reviewer's Country/Territory: China

Author's Country/Territory: Poland

Manuscript submission date: 2022-07-08

Reviewer chosen by: Dong-Mei Wang

Reviewer accepted review: 2022-08-30 08:16

Reviewer performed review: 2022-08-31 07:56

Review time: 23 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input 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 Grade E: Do not publish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 checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Peer-reviewer statements	Peer-Review: [<input checked="" type="radio"/>] Anonymous [<input type="radio"/>] Onymous Conflicts-of-Interest: [<input type="radio"/>] Yes [<input checked="" type="radio"/>] No
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SPECIFIC COMMENTS TO AUTHORS

Manuscript Number: 78531 Title: Vibrational spectroscopy – are we close to finding a solution for early pancreatic cancer diagnosis? As mentioned by the authors, early diagnosis of pancreatic malignant tumors is of great clinical significance to improve the survival rate. However, there is a lack of serum markers with high specificity and good sensitivity for pancreatic malignant tumors. In addition, there is a lack of effective technical means to diagnose pancreatic malignant tumors. The application of Raman spectroscopy in tumor diagnosis is indeed a new direction of tumor diagnosis. Due to the characteristics of Raman spectroscopy itself, it can provide a lot of characteristic information for tumor diagnosis, which is different from some current diagnostic techniques. The application of Raman spectroscopy in the diagnosis of pancreatic malignant tumors was reviewed in detail, and a reasonable study design was carried out, which will provide a good research idea for the application of Raman spectroscopy in the diagnosis of pancreatic malignant tumors, and open up a new detection method for the early diagnosis of pancreatic malignant tumors. In general, this review is scientific and can provide a good research direction and guidance for Raman spectroscopy in the diagnosis of malignant tumors.

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Manuscript NO: 78531

Title: Vibrational spectroscopy – are we close to finding a solution for early pancreatic cancer diagnosis?

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05842572

Position: Editorial Board

Academic degree: MD

Professional title: Full Professor

Reviewer's Country/Territory: Ukraine

Author's Country/Territory: Poland

Manuscript submission date: 2022-07-08

Reviewer chosen by: Dong-Mei Wang

Reviewer accepted review: 2022-08-30 09:23

Reviewer performed review: 2022-09-07 16:07

Review time: 8 Days and 6 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
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Peer-reviewer statements	Peer-Review: [Y] Anonymous [] Onymous Conflicts-of-Interest: [] Yes [Y] No
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SPECIFIC COMMENTS TO AUTHORS

This is an informative article of a good quality, it can be published. I would recommend authors in future not to include very old references to the reference list (in current manuscript I noticed years of publication 1986 and even 1973).