

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Clinical Cases

**Manuscript NO:** 53507

**Title:** SERT and CCK in diarrhea-predominant irritable bowel syndrome: associations with abdominal pain, visceral hypersensitivity and psychological performances

**Reviewer's code:** 00504545

**Position:** Peer Reviewer

**Academic degree:** MD, PhD

**Professional title:** Emeritus Professor

**Reviewer's country:** Spain

**Author's country:** China

**Manuscript submission date:** 2019-12-28

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2019-12-28 09:47

**Reviewer performed review:** 2019-12-28 16:05

**Review time:** 6 Hours

| SCIENTIFIC QUALITY                                | LANGUAGE QUALITY  | CONCLUSION                                 | PEER-REVIEWER STATEMENTS                      |
|---|---|--|---|
| <input type="checkbox"/> Grade A: Excellent       | <input type="checkbox"/> Grade A: Priority publishing       | <input type="checkbox"/> Accept            | Peer-Review:                                  |
| <input type="checkbox"/> Grade B: Very good       | <input checked="" type="checkbox"/> Grade B: Minor language | (High priority)                            | <input checked="" type="checkbox"/> Anonymous |
| <input checked="" type="checkbox"/> Grade C: Good | polishing   | <input checked="" type="checkbox"/> Accept | <input type="checkbox"/> Onymous              |
| <input type="checkbox"/> Grade D: Fair            | <input type="checkbox"/> Grade C: A great deal of           | (General priority)                         | Peer-reviewer's expertise on the              |
| <input type="checkbox"/> Grade E: Do not          | language polishing  | <input type="checkbox"/> Minor revision    | topic of the manuscript:                      |
| publish   | <input type="checkbox"/> Grade D: Rejection                 | <input type="checkbox"/> Major revision    | <input type="checkbox"/> Advanced             |
|   |   | <input type="checkbox"/> Rejection         | <input checked="" type="checkbox"/> General   |
|   |   |  | <input type="checkbox"/> No expertise         |
|   |   |  | Conflicts-of-Interest:                        |
|   |   |  | <input type="checkbox"/> Yes                  |
|   |   |  | <input checked="" type="checkbox"/> No        |



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#### **SPECIFIC COMMENTS TO AUTHORS**

This is a very interesting study exploring the pathogenesis of patients with IBS with predominant diarrhea. The authors have found that both CCK and SERT mediators may be involved in the origin of this disease, opening a new way of conducting their symptoms and suggesting also new strategies for control and treatment of this disease in the future.

#### **INITIAL REVIEW OF THE MANUSCRIPT**

##### ***Google Search:***

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

##### ***BPG Search:***

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Clinical Cases

**Manuscript NO:** 53507

**Title:** SERT and CCK in diarrhea-predominant irritable bowel syndrome: associations with abdominal pain, visceral hypersensitivity and psychological performances

**Reviewer's code:** 03723709

**Position:** Editorial Board

**Academic degree:** MD

**Professional title:** Associate Professor

**Reviewer's country:** Egypt

**Author's country:** China

**Manuscript submission date:** 2019-12-28

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2019-12-28 18:23

**Reviewer performed review:** 2019-12-28 18:32

**Review time:** 1 Hour

| SCIENTIFIC QUALITY                                | LANGUAGE QUALITY   | CONCLUSION   | PEER-REVIEWER STATEMENTS                    |
|---|--|--|---|
| <input type="checkbox"/> Grade A: Excellent       | <input type="checkbox"/> Grade A: Priority publishing        | <input type="checkbox"/> Accept                    | Peer-Review:                                |
| <input type="checkbox"/> Grade B: Very good       | <input type="checkbox"/> Grade B: Minor language             | (High priority)                                    | <input type="checkbox"/> Anonymous          |
| <input checked="" type="checkbox"/> Grade C: Good | polishing  | <input type="checkbox"/> Accept                    | <input type="checkbox"/> Onymous            |
| <input type="checkbox"/> Grade D: Fair            | <input checked="" type="checkbox"/> Grade C: A great deal of | (General priority)                                 | Peer-reviewer's expertise on the            |
| <input type="checkbox"/> Grade E: Do not          | language polishing   | <input checked="" type="checkbox"/> Minor revision | topic of the manuscript:                    |
| publish   | <input type="checkbox"/> Grade D: Rejection                  | <input type="checkbox"/> Major revision            | <input type="checkbox"/> Advanced           |
|   |  | <input type="checkbox"/> Rejection                 | <input checked="" type="checkbox"/> General |
|   |  |  | <input type="checkbox"/> No expertise       |
|   |  |  | Conflicts-of-Interest:                      |
|   |  |  | <input type="checkbox"/> Yes                |
|   |  |  | <input checked="" type="checkbox"/> No      |

#### **SPECIFIC COMMENTS TO AUTHORS**

the author performed an observational study titled "SERT and CCK in diarrhea-predominant irritable bowel syndrome: associations with abdominal pain, visceral hypersensitivity and psychological performances". The methodology is sound but the manuscript need critical English editing by native English speaker

#### **INITIAL REVIEW OF THE MANUSCRIPT**

##### ***Google Search:***

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- ☐ Plagiarism
- ☐ No

##### ***BPG Search:***

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Clinical Cases

**Manuscript NO:** 53507

**Title:** SERT and CCK in diarrhea-predominant irritable bowel syndrome: associations with abdominal pain, visceral hypersensitivity and psychological performances

**Reviewer's code:** 02546836

**Position:** Peer Reviewer

**Academic degree:** FACG, MD

**Professional title:** Associate Professor, Chairman

**Reviewer's country:** United States

**Author's country:** China

**Manuscript submission date:** 2019-12-28

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2019-12-28 18:07

**Reviewer performed review:** 2020-01-13 16:55

**Review time:** 15 Days and 22 Hours

| SCIENTIFIC QUALITY                                | LANGUAGE QUALITY  | CONCLUSION   | PEER-REVIEWER STATEMENTS                      |
|---|---|--|---|
| <input type="checkbox"/> Grade A: Excellent       | <input type="checkbox"/> Grade A: Priority publishing       | <input type="checkbox"/> Accept                    | Peer-Review:                                  |
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| <input checked="" type="checkbox"/> Grade C: Good | polishing   | <input type="checkbox"/> Accept                    | <input type="checkbox"/> Onymous              |
| <input type="checkbox"/> Grade D: Fair            | <input type="checkbox"/> Grade C: A great deal of           | (General priority)                                 | Peer-reviewer's expertise on the              |
| <input type="checkbox"/> Grade E: Do not          | language polishing  | <input checked="" type="checkbox"/> Minor revision | topic of the manuscript:                      |
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|   |   | <input type="checkbox"/> Rejection                 | <input type="checkbox"/> General              |
|   |   |  | <input type="checkbox"/> No expertise         |
|   |   |  | Conflicts-of-Interest:                        |
|   |   |  | <input type="checkbox"/> Yes                  |
|   |   |  | <input checked="" type="checkbox"/> No        |

## **SPECIFIC COMMENTS TO AUTHORS**

This paper is a case-control study that attempts to ascertain a physiological explanation for symptoms related to IBS-D by finding a correlation between symptoms and SERT/CCK levels in plasma and in the recto-sigmoid mucosa. The English needs some grammar corrections but acceptable. Overall, The distribution of male /female patients is an issue since IBS is more common in females and especially in Asia. So generalized conclusions would be hard to make. Measuring a transport protein (SERT) and not receptor site activity specially (S3 or S4) doesn't tell on a lot of the role of serotonin effects on the gut mucosa or the gut-brain axis. It is already well known that serotonin is involved in IBS. CCK is a prokinetic agent but it's effect in the colon is mainly by motility. Finally, what was your hypothesis to do this study? The title and abstract gave an accurate concise synopsis of the paper. Intro gave a good review of IBS but would expand more on the functions of CCK and 5-HT and why one would theorize there would be a correlation with IBS (You could discuss what each does normally in the gut as well as how they influence depression and anxiety). You mention Rome-IV, would describe the definition for at least IBS-D. The sentence, "a meta-analysis found that patients with IBS...depressive symptoms than healthy control, which MEANS (would change means to suggests). Also would define initial, defecating and maximum tolerable thresholds. Methods gave a good thorough breakdown. Please clarify the meaning of "partial patient spouses." The control group just needs to be age and sex match with no Rome IV criteria. For the Visceral Hypersensitivity Test, there seems to be a part missing as it is not clear what the "obstruction," is. A standard balloon test is usually after an enema to clear remove stool. Results 3.2 (Error) States CCK and SERT are higher in IBS-D but only CCK is higher in your study. Discussion is a good succinct and accurate deduction of the data. Would



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address the fact that 75% of patients in study are male and how this may skew data as IBS and depression/anxiety are more common in females. Additional limitation is the small n. Tables/Figures are organized and easy to read Paper is generally concisely and coherently organized and presented as well as the vast majority of the language and grammar is accurate and appropriate.

#### **INITIAL REVIEW OF THE MANUSCRIPT**

##### ***Google Search:***

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- ☐ No

##### ***BPG Search:***

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No