

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Hepatology

**Manuscript NO:** 65871

**Title:** Newly discovered endocrine functions of the liver

**Reviewer's code:** 01221666

**Position:** Editorial Board

**Academic degree:** MD, PhD

**Professional title:** Associate Professor, Doctor, Surgeon

**Reviewer's Country/Territory:** Taiwan

**Author's Country/Territory:** United States

**Manuscript submission date:** 2021-03-17

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-03-17 05:34

**Reviewer performed review:** 2021-03-21 01:33

**Review time:** 3 Days and 19 Hours

<b>Scientific quality</b>	<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 Grade E: Do not publish
<b>Language quality</b>	<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
<b>Conclusion</b>	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer statements</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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## **SPECIFIC COMMENTS TO AUTHORS**

This review is to summarize newly discovered endocrine function relevant or specific to liver organ. Generally the paper is well-written. Comments 1. The references are too many and redundant. For example, in page 12, "Androgens are predominantly secreted from Leudig cells in the testes in men[60] and from the ovaries and adrenal glands in woman[61]." Both references are review articles and not from the original discovery. Therefore, you should not individually cite 2 references just for men and women. Another example is in page 26, "Normally the number of islets is quite small, and the islets are mostly composed of beta cells [152]." Again, unless you cite the original discovery paper, you may cite a textbook in high school. Many examples like these should be examined carefully. 2. Some facts not relevant to liver can be reduced as much as possible. The focus of "newly discovered" evidence is diluted in the current format. 3. A summary table of "newly discovered" endocrine function +- classical endocrine function is strongly encouraged to guide readers quickly. 4. A figure(s) illustration to provide relationship of these liver endocrine functions with other body parts is helpful.

## PEER-REVIEW REPORT

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**Reviewer's code:** 05122008

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Research Fellow, Surgeon, Surgical Oncologist

**Reviewer's Country/Territory:** Italy

**Author's Country/Territory:** United States

**Manuscript submission date:** 2021-03-17

**Reviewer chosen by:** Man Liu

**Reviewer accepted review:** 2021-03-19 15:36

**Reviewer performed review:** 2021-03-26 10:48

**Review time:** 6 Days and 19 Hours

<b>Scientific quality</b>	<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
<b>Language quality</b>	<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
<b>Conclusion</b>	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer statements</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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

Dear authors I read your paper with great interest, and I think this review gives a comprehensive vision of the liver's pivotal endocrine role in the organism's homeostasis. Searching briefly in the literature, I found many papers focusing on a single or few aspects of this topic, but I didn't find an exhaustive and recent review like yours. I want to congratulate you on your work, and I would like to say that I understand the effort in summarizing such a big theme. Nevertheless, I would like to express some suggestion to improve the manuscript and facilitate its publication: Even if the hormones, pathways, and physiopathological mechanisms are many, I suggest focusing on one of the two main aspects of the manuscript. It could be more interesting to develop a little more the discussion about the latest discovery in this field, giving less space (without completely removing) to the well-known hormones. Unfortunately, many pages might discourage the reading, while a more concise manuscript might be more eligible for a wider audience. For better comprehension, I suggest assembling the physiological and pathological description of each hormone. I think that dividing the chapters like you made the manuscript less fluent and a bit hard-reading. I suggest developing more of the hepatokines paragraph. It could be interesting to explain their metabolic pathways, maybe using diagrams or images, and show their alterations in prevalent liver diseases as you did for the well-known hormones. Some paragraphs are supported by the same sources. I suggest deepening the scout in the bibliography to give more relevance to this review. In certain parts of the manuscript, the text might be hard-reading. I believe that an expert scientific editor should review the manuscript.

## RE-REVIEW REPORT OF REVISED MANUSCRIPT

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**Reviewer's Country/Territory:** Taiwan

**Author's Country/Territory:** United States

**Manuscript submission date:** 2021-03-17

**Reviewer chosen by:** Chen-Chen Gao

**Reviewer accepted review:** 2021-07-26 09:58

**Reviewer performed review:** 2021-07-26 10:11

**Review time:** 1 Hour

<b>Scientific quality</b>	<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
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<b>Peer-reviewer statements</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

## SPECIFIC COMMENTS TO AUTHORS

I have no other comments.