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PEER-REVIEW REPORT

Name of journal: *World Journal of Diabetes*

Manuscript NO: 77048

Title: In Vivo Evaluation and Mechanism Prediction of Anti-diabetic Foot Ulcer Based on Component Analysis of Ruyi Jinhuang Powder

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06058826
Position: Peer Reviewer
Academic degree: FEBS, MD
Professional title: Associate Professor
Reviewer's Country/Territory: Australia
Author's Country/Territory: China

Manuscript submission date: 2022-05-06

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-05-11 09:41

Reviewer performed review: 2022-05-24 11:53

Review time: 13 Days and 2 Hours

Scientific quality	[ ] Grade A: Excellent [Y] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[Y] Grade A: Priority publishing [ ] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [ ] Accept (General priority) [Y] Minor revision [ ] Major revision [ ] Rejection
Re-review	[Y] Yes [ ] No

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Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

This study establishment animal models and hematoxylin-eosin staining electron microscopy analysis were used to further verify the ability of RHP to promote wound healing. The effective components of RHP were extracted and identified by chromatography-mass spectrometry, and the obtained chemical components were analyzed by network pharmacology methods to predict its therapeutic mechanism. The reviewer read this manuscript with great interest. The manuscript is very well written. After some minor editing, it can be accepted. 1. The abstract should be shorted. 2. Tables and figures should be moved to the end of the text. 3. References list should be updated.

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Reviewer's code: 06058807
Position: Peer Reviewer
Academic degree: MD, PhD
Professional title: Assistant Professor
Reviewer's Country/Territory: Germany
Author's Country/Territory: China

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Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

Modern clinical applications mainly include cutaneous vasculitis, gouty arthritis, herpes zoster and DFU. After many studies on its pharmacological effects, it was found that RHP has the effects of inhibiting bacterial infection, increasing lysosomal content, enhancing immune defenses and inhibiting inflammation. The traditional preparation form is the addition of honey to the powder, which is directly applied to the affected area to treat diseases, but the formulation has been innovated using the original preparation through the continuous development of modern technology and made into creams, cataplasms, films, and sponges. The UPLC–MS technology allows the sample to be separated in the mobile phase after the ionization process through fragment ion mass number analysis and identification. This technology can compensate for the disadvantages that GC–MS cannot analyze components with features such as strong polarity, thermal instability, and difficult volatilization, with the advantages of low detection limit, high automation, wide analysis range, and short analysis time. In this study, the effective components of RHP were extracted and identified by chromatography-mass spectrometry, and the obtained chemical components were analyzed by network pharmacology methods to predict its therapeutic mechanism. The study is overall very well designed and well performed. The results are very interesting. Comments: 1. There are some minor language polishing which should be corrected. 2. The conclusion in the abstract is too long. Please short it. 3. The figures should be updated with high quality images. 4. The conclusion in the main text is missing. Please add it.

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Peer-review model: Single blind

Reviewer's code: 06058831
Position: Peer Reviewer
Academic degree: PhD
Professional title: Research Assistant
Reviewer's Country/Territory: Egypt
Author's Country/Territory: China

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SPECIFIC COMMENTS TO AUTHORS

This study is very interesting. The authors evaluated the wound healing activity and the prediction of anti-diabetic foot ulcer mechanism based on component analysis of Ruyi Jinhuang powder. The conclusion is supported by the results. Well done study. Thank you.