

PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 78777

Title: Erbium-doped yttrium aluminum garnet laser and advanced platelet-rich fibrin+
in periodontal diseases: Two case reports and review of the literature

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05904643

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Doctor

Reviewer's Country/Territory: China

Author's Country/Territory: Taiwan

Manuscript submission date: 2022-07-15

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-07-21 10:16

Reviewer performed review: 2022-07-27 08:21

Review time: 5 Days and 22 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 Grade E: Do not publish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
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



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Peer-reviewer statements	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

Severe periodontal disease and Alveolar bone defects are very difficult diseases in clinic. In this paper, Er:YAG laser and A-PRF+ were used to treat 2 cases of this disease, and good results were achieved . This kind of treatment experience is worth spreading and studying. It is also hoped that the author will accumulate more cases and publish the results of treatment.

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Peer-review model: Single blind

Reviewer's code: 05989344

Position: Peer Reviewer

Academic degree: DDS, MD, MSc, PhD

Professional title: Assistant Professor

Reviewer's Country/Territory: Armenia

Author's Country/Territory: Taiwan

Manuscript submission date: 2022-07-15

Reviewer chosen by: Dong-Mei Wang

Reviewer accepted review: 2022-09-01 02:42

Reviewer performed review: 2022-09-02 05:40

Review time: 1 Day and 2 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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Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Peer-reviewer statements	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

A review report of the manuscript titled “Erbium: YAG Laser and Advanced platelet-rich fibrin+ in Periodontitis and Alveolar Bony Defects”. Authors of current paper presented clinical cases of patients oral diseases treated with a combination of Er:YAG laser and A-PRF+. It was concluded that debridement with an Er:YAG laser followed by treatment with A-PRF+ is effective for the treatment periodontal diseases with bone defects. Here are my concerns, questions and recommendations: 1. Line 77: The standard of periodontal therapy is to increase the bone level. It is not clear how bone level can be increased? Please clarify and provide reference that readers can access the original source. 2. Line 85-88: This sentence should be revised. It is not clear what means ...to remove pathogens and other materials...? Pathogens are not materials. 3. Line 130, 146: What was used for magnification? (name, brand, country) 4. Line 133: Please cite the appropriate protocol reference. 5. Clinical cases should be presented with more details, since it its form it is lack of information and cannot be reproducible. Moreover, additional information should be presented regarding A-PRF+ membrane. 6. For the Discussion I would like to recommend several articles which should be discussed: Srimaneepong, V.; Heboyan, A.; Zafar, M.S.; Khurshid, Z.; Marya, A.; Fernandes, G.V.O.; Rokaya, D. Fixed Prosthetic Restorations and Periodontal Health: A Narrative Review. J. Funct. Biomater. 2022, 13, 15. <https://doi.org/10.3390/jfb13010015> Vardhan, P.K.; Paramashivaiah, R.; Prabhuji, M.L.V.; Bhavikatti, S.K.; Basha, S.; Arora, S.; Basheer, S.N.; Peeran, S.W.; Aldowah, O.; Heboyan, A. The Effect of Photodynamic Therapy on the Early Outcome of Implants Placed on Patients with Periodontitis. Photonics 2022, 9, 480. <https://doi.org/10.3390/photonics9070480> Heboyan, A.;

Manrikyan, M.; Zafar, M.S.; Rokaya, D.; Nushikyan, R.; Vardanyan, I.; Vardanyan, A.; Khurshid, Z. Bacteriological Evaluation of Gingival Crevicular Fluid in Teeth Restored Using Fixed Dental Prostheses: An In Vivo Study. *Int. J. Mol. Sci.* 2021, 22, 5463. <https://doi.org/10.3390/ijms22115463> 7. In the end of the discussion authors should highlight the possible limitations of the treatment method.

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Peer-review model: Single blind

Reviewer's code: 05999206

Position: Peer Reviewer

Academic degree: MDS

Professional title: Assistant Professor, Lecturer

Reviewer's Country/Territory: Nepal

Author's Country/Territory: Taiwan

Manuscript submission date: 2022-07-15

Reviewer chosen by: Dong-Mei Wang

Reviewer accepted review: 2022-09-01 12:06

Reviewer performed review: 2022-09-12 09:08

Review time: 10 Days and 21 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
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SPECIFIC COMMENTS TO AUTHORS

Author have presented two cases of periodontal treatment with combination of Er:YAG laser and A-PRF+. This is a novel approach. this could be done on a larger sample size.