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Erratum: The current status and trends of oral bone regeneration materials: a bibliometric analysis from 1991 to 2023

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KEYWORDS

bone regeneration, bibliometric analysis, materials, mandible, maxilla, alveolar

An Erratum on

The current status and trends of oral bone regeneration materials: a bibliometric analysis from 1991 to 2023

by Tu R, Liu X, Xu L, Yao X, Zhang R, Li J, Zhang W, Liu J, Wu X and Li B (2024). *Front. Mater.* 11:1420900. doi: 10.3389/fmats.2024.1420900

Due to a production error, **References** were incorrectly cited in the text of the published article.

A correction has been made to the **Abstract**, **Section 4.3** of the **Discussion**, and the **Conclusion**. These paragraphs should read:

Abstract

“Results: ① The number of papers is generally increasing and gradually stabilizing; ② Buser D is the most influential author, while Jung, Ronald E has the highest number of papers and total citations; ③ The United States has the highest number of papers and citation frequency. The University of Bern and the University of Zurich in Switzerland are not only the institutions with the most papers, but also the institutions with the most collaborations with other institutions. ④ Many research directions have persisted for decades since their inception. The field of oral bone; regeneration materials is constantly developing and improving. In recent years, the research direction in this field may mainly focus on the role of blood cells and proteins in bone regeneration. ⑤ In recent years, the types of cited literature mainly include barrier membranes, alveolar ridge augmentation, bone graft materials, histological examination, and *in vivo* animal experimental models.”

Discussion

“The limitations of this study are as follows: ① In order to ensure the accuracy of the search, the “material” was accurately retrieved in the search, which may lead to the exclusion of some of the required literature. ② Although the SCIE data is large and relatively complete and relatively authoritative, it still cannot be excluded that some papers representing the field of oral bone regeneration materials were not included. ③ Researchers may have different views on the same analysis map.”

Conclusion

“This study uses Citespace and VOSviewer to conduct a bibliometric analysis of literature on oral bone regeneration materials from 1991 to 2023. By describing and

visualizing the annual publications, countries, institutions, influential authors, keywords, and burst cited papers, we have understood the research hotspots, frontiers, and trends in this field, and have drawn the following conclusions: ① In recent years, the number of related research papers has reached a stable level and the research has entered a steady forward stage; ② From the perspective of the number of publications, author collaboration relationships, and citation frequency, Buser D is the most influential author in this field; The United States has the most publications and the closest cooperation with other countries; The University of Bern and the University of Zurich in Switzerland are not only the institutions with the most publications but also the institutions with the most

cooperation with other institutions and the University of Bern is both the institution with the most output and the institution with the most citation frequency; ③ In recent years, research hotspots have mainly focused on tissue engineering materials, but traditional materials still occupy a large proportion in clinical treatment and research, still occupy a large proportion in clinical treatment and research. In addition, the combined use of new and old materials has gradually become one of the research hotspots in the field of oral bone regeneration materials.”

The publisher apologizes for this mistake. The publisher apologizes for this mistake. The original version of this article has been updated.