

28th BaSS Congress

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ABSTRACT BOOK

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Oral **Presentation**

OP-47

Bibliometric Analysis of Studies on Artificial Intelligence Applications on Oral Cancer**Subject**

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Objective: This study was carried out to determine the trend of research on oral cancers using artificial intelligence applications in the basic field of dentistry. In the research, studies on artificial intelligence applications on oral cancers published in the Web of Science (WOS) database on March 19th, 2024 were examined.

Materials and Methods: A search was made in the WOS database using the keywords 'artificial intelligence' OR 'AI' OR 'machine learning' OR 'deep learning' AND 'oral cancer' in the all fields option and 749 results were found. According to years, 690 articles were reached in 36 different fields, the timespan was 1982–2024. When the irrelevant articles were eliminated from the 648 articles examined, the data of the 129 articles obtained were exported from the WOS database in 'Bibtex' format and transferred to the Biblioshiny software for bibliometric analysis.

Results: As a result of the analysis, 129 articles written on oral cancer using artificial intelligence between 1995 and 2024 showed that 898 authors worked, 390 keywords were used, 46 sources were used, the annual growth rate was 8.95 %. It was observed that the most articles (24/129) were published in the 'Cancers' journal and most of the articles were published in 2023 (35/129).

Conclusion: Bibliometric research is valuable in terms of examining the development of research on a subject over time. Although the use of artificial intelligence in oral cancers dates back to the 90s, it has increased in the post-pandemic period.

Keywords: Bibliometric analysis, oral cancer, artificial intelligence

OP-48

Novel techniques of implant uncoveringVancho Spirov¹, Bruno Nikolovski¹, Vesna Trpevska¹, Aneta Miovska², Vesna Jurukovska Sotarovska²

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The goal of the second stage surgery is not only to expose the implant interface for performing the required restorative procedures, but also to create a healthy marginal attached mucosa around dental implants. This second stage surgery is often overlooked and is considered non essential phase but actually could determine the health of the peri-implant tissue. This phase gives an excellent opportunity to preserve, reconstruct and even maneuver the soft tissue to optimize the soft tissue profile around the implant components. There are different techniques with which this intervention of opening the implants can be performed. In this paper are explained in detail all the techniques of opening the implant with all their positive and negative characteristics.