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## AFFILIATED INSTITUTION

- 1- Researchers affiliated to the Specialized Dentistry Group.

## KEY WORDS

*Dental implants; Osteoporosis; Review; Bone and Bones.*

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## CONFERENCE ARTICLE SUMMARY

*Analysis of the survival rate of dental implants installed in patients with osteoporosis. Systematic review with meta-analysis.*

The objective of this project was to carry out a systematic review with meta-analysis, adopting the Cochrane model for systematic reviews and meta-analyses, in order to analyze the index of implant failures and peri-implant bone loss. The PubMed / Medline, Cochrane Collaboration, SciELO and Web of Science databases were consulted in order to select studies in the area from specific descriptors: "osteoporosis" and "Dental implants". The data were tabulated and analyzed qualitatively and quantitatively using the ReviewerManager5.3 software (Review Manager - RevMan. Version 5.3 Copenhagen; The Nordic Cochrane Center, The Cochrane Collaboration, 2014). For all the analyzed data, the statistically significant value of  $p < 0.05$  was considered. The organized and tabulated data showed that there was no significant difference in the survival rate of dental implants installed in patients with osteoporosis ( $p \geq 0.05$ ) when compared to patients without osteoporosis, differently in terms of peri-implant bone loss, which revealed a difference greater loss of peri-implant bone tissue for patients with osteoporosis ( $p < 0.01$ ), however controlled and randomized clinical studies should be performed with a longer follow-up period.



## **ANÁLISE DA TAXA DE SOBREVIVÊNCIA DE IMPLANTES DENTÁRIOS INSTALADOS EM PACIENTES COM OSTEOPOROSE. REVISÃO SISTEMÁTICA COM META-ANÁLISE.**

O objetivo deste projeto foi realizar uma revisão sistemática com meta-análise, adotando o modelo Cochrane para revisões sistemáticas e meta-análises, afim de se analisar o índice de falhas de implantes e perda óssea peri-implantar. As bases de dados PubMed/Medline, Cochrane Collaboration, SciELO e Web of Science foram consultadas com intuito de selecionar estudos da área a partir de descritores específicos: "osteoporose" e "Implantes dentários". Os dados foram tabulados e analisados qualitativamente e quantitativamente utilizando o software ReviewerManager5.3 (Review Manager - RevMan. Version 5.3 Copenhagen; The Nordic Cochrane Centre, The Cochrane Collaboration, 2014). Para todos os dados analisados foi considerado o valor estatisticamente significativo de  $p < 0.05$ . Os dados organizados e tabulados mostraram que não houve uma diferença significativa na taxa de sobrevivência de implantes dentários instalados em pacientes com osteoporose ( $p \geq 0.05$ ) quando comparados a pacientes sem osteoporose, diferentemente no quesito de perda óssea peri-implantar, que revelou uma diferença maior de perda de tecido ósseo peri-implantar para pacientes com osteoporose ( $p < 0,01$ ), contudo estudos clínicos controlados e randomizados devem ser executados com maior período de acompanhamento.

**Palavras Chave:** Implantes Dentários; Osteoporose; Revisão; Osso e Ossos.

### **REFERENCE**

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