

Peer Review Report

Review Report on Selected osteointegration markers in different timeframes after dental implantation: findings and prognostic value

Original Research, Acta Biochim. Pol.

Reviewer: Agata Niewczas

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EVALUATION

Q 1 Please summarize the main findings of the study.

The subject of the research is in line with the journal's theme. The subject of the study is part of the current issue of post-implant osteointegration.

Q 2 Please highlight the limitations and strengths.

The topics and research methods described in the manuscript are not new, but the issues described are very important for practicing physicians.

Q 3 Please comment on the methods, results and data interpretation. If there are any objective errors, or if the conclusions are not supported, you should detail your concerns.

The introduction is too general and does not introduce the subject described in the manuscript very well.

Material and methods

The description of the study group is inaccurate.

What do the authors mean by "practically healthy persons"? Why were the patients divided into two groups:

"<50 years and >50 years"? According to the Authors, is 50 years a specific age limit for implantation?

The age range of the patients is very wide (18–65 years). The age structure of the study group should be more precisely described.

Please move the explanation of abbreviations to the "methods" section.

The introduction is not the place to explain the abbreviations used in the text of the manuscript.

The predictive value has not been adequately described. In the reviewer's opinion, this is very important and relevant information for the scientific value of the manuscript. It may be worth describing them in a separate paragraph.

The conclusions are very awkwardly formulated. Why suddenly two groups: "- in young patients" and "in aged patients"?

According to WHO, all the patients examined were young. The age limit for the older segment of the population is 65.

Check List

Q 4 Please provide your detailed review report to the editor and authors (including any comments on the Q4 Check List)

No answer given.

Q 5 Is the English language of sufficient quality?

Yes.

Q 6 Is the quality of the figures and tables satisfactory?

Yes.

Q 7 Does the reference list cover the relevant literature adequately and in an unbiased manner?

Yes.

Q 8 Are the statistical methods valid and correctly applied? (e.g. sample size, choice of test)

Yes.

Q 9 Are the methods sufficiently documented to allow replication studies?

Yes.

Q 10 Are the data underlying the study available in either the article, supplement, or deposited in a repository? (Sequence/expression data, protein/molecule characterizations, annotations, and taxonomy data are required to be deposited in public repositories prior to publication)

Yes.

Q 11 Does the study adhere to ethical standards including ethics committee approval and consent procedure?

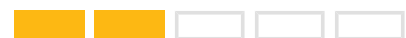
Yes.

Q 12 Have standard biosecurity and institutional safety procedures been adhered to?

Yes.

QUALITY ASSESSMENT

Q 13 Originality



Q 14 Rigor



Q 15 Significance to the field



Q 16 Interest to general audience

Q 17 Quality of the writing

Q 18 Overall quality of the study