Review of: "Hydroxyapatite coating techniques for Titanium Dental Implants — an overview"

Rajesh Pandit

Potential competing interests: No potential competing interests to declare.

The manuscript of the review is mainly focused on coating techniques which is good in idea, however it needs major revision before being considered for publication in the journal. Here are few comments below.

- In the abstract, objective of review paper is hydroxyapatite coating techniques but not specified the techniques which are going to discuss in detail, it would be nice to specify the few techniques. Thorough out the manuscript, advantages, disadvantages and limitations are not well followed in each technique, somewhere advantages and somewhere disadvantages and limitations, So it would not be better to write in separate headings if author wants to include in abstract.

- In introduction, the author well present the introduction about Titanium and hydroxyapatite. It can be extended to the titanium alloys. The manuscript is based on the coating techniques, it would be nice to include chemistry part such as the chemical formula, structure of hydroxyapatite and any possible mechanism of coating.

- The heading of each techniques are general. In each technique only introduction and method is given, it looks like every methods could be used for the all type of hydroxyapatite coating.

- The techniques couldn't deliver the specific knowledge to the method used for the preparation of hydroxyapatite coating with titanium/titanium alloy. It would be better to include verities of coating component and titanium/titanium alloy. More specifically, which technique is used for what type of coating component and titanium/titanium alloy, should be clear.

- It would be more specific to write the advantages, disadvantages and limitations in separate headings.

- In the manuscript, lack of conclusion, it would be better to include conclusion.

- In reference, lack of number of recent paper citation, it would be nice to include recent paper.