Reviewer’s report

Title: Safety of bioabsorbable implants in vitro

Version: 0 Date: 21 Sep 2015

Reviewer: Daniel Hernández-Vaquero

Reviewer’s report:

The authors compare in vitro two types of biodegradable materials, one already on the market.

1.- There is no clear advantage of the new material in the analyzed factors which are exclusively in vitro: "more live cells and allowed more proliferation"

2.- The authors write: "Regarding the use of implants in orthopedic trauma surgeries, the followings are expected: stabilized fixation, minimal surface contact, and causing no foreign body reaction or toxicity." They forget the pressure mechanical ability, strength and rigidity that is as important as the others. The authors have not done biomechanical studies that are essential to research new biomaterials.

3.- The team composition is incorrect :5 authors belong to the Department of Orthopedic Surgery and one of Pharmacovigilance (chemist). Striking is the absence of authors from other disciplines such as biochemical or biologists. The work is focused on laboratory techniques and electron microscope that surgeons preferably not used.

4.- The results have no practical application and works in vitro and especially in vivo are needed to adopt a new biomaterial.

5.- This work is more appropriate for journals of basic research or biomaterials.

Of 29 citations appear only 5 of clinical journals

I suggest to authors to send this article to Journals as Biomaterials Research

Journal or Journal of Orthopaedic Research, both in Biomed Central.

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.
Unable to assess

**Are the conclusions drawn adequately supported by the data shown?**
If not, please explain in your comments to the authors.

Unable to assess

**Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?**
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I am able to assess the statistics

**Quality of written English**
Please indicate the quality of language in the manuscript:

Acceptable

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