Reviewer's report

Title: Revascularization of onlay autogenous iliac grafts for lateral alveolar ridge augmentation.

Version: 1 Date: 15 August 2013

Reviewer: Harry C. Schwartz

Reviewer's report:

This is an interesting manuscript. However it cannot be published in its current form. The following major compulsory revisions need to be addressed by the authors:

1. The control experiment. It is not clear to me that experiment 3 (the graft was covered with a Silicone sheet, presumably to prevent vascular ingrowth from the recipient bed) is an acceptable control. I would favor experiment 1 as the control. The authors must discuss their choice of a non-physiologic control.

2. Results from experiment 3. Even if experiment 3 is determined to be an acceptable control, the authors have omitted all results in the current manuscript.

3. The experimental groups. I do not understand why the authors did not study guided bone regeneration alone (the graft covered by a collagen membrane). This is purported to be a study of bone graft revascularization, not a study of guided bone regeneration in combination with Bio-Oss granules.

4. Infections in experiment 2. Experiment 2 became infected in 2/12 animals. This is a high percentage in light of the absence of infections in the other groups. The authors should discuss this.

5. Von Willebrand factor. Use of vWF as an endothelial cell marker is not widely appreciated. The authors should discuss this.

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Needs some language corrections before being published

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I declare that I have no competing interests.