Reviewer’s report

**Title:** In vitro evaluation of various bioabsorbable and nonresorbable barrier membranes for guided tissue regeneration

**Version:** 1  **Date:** 28 August 2008

**Reviewer:** Stefan-Ioan Assis. Professor Dr. Dr. Stratul

**Reviewer’s report:**

This study aims to investigate the biological effects of various bioabsorbable and nonresorbable membranes in cultures of human gingival fibroblasts, periodontal ligament fibroblasts and human osteoblast-like cells. The authors demonstrated that the bioabsorbable membranes seem to be more suitable to stimulate cell proliferation in comparison to nonresorbable PTFE membranes. Indeed, this is an interesting study providing valuable information about the response of cells associated with periodontal regeneration to different barrier membranes used in guided tissue regeneration. The study was well designed and conducted. The results, including the tables are presented clearly and the differences obtained are meaningful. The discussion is general relevant to the results and states clearly the limitations of the study. Overall, the study should be published.

**Level of interest:** An article of outstanding merit and interest in its field

**Quality of written English:** Acceptable

**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.