Reviewer’s report

**Title:** Could titanium oxide coating from a sol-gel process make stone baskets more resistant to laser radiation at 2.1 micrometer?

**Version:** 1  **Date:** 10 August 2012

**Reviewer number:** 1

**Reviewer’s report:**

The authors present their experimental data related to the development of more resistant stone baskets.

**Major comment:**

1. The results section is confusing and needs some revision: how can all wires be destroyed at lower energy with 1 pulse, yet the authors also state 1 wire required 2 pulses?
   Furthermore, it appears that lower energy is more damaging than higher energy. Please be clear in reporting.
2. A figure illustration of the basket would be helpful.

**Minor comments:**

"This serving of wires can lead to ureteral trauma due to hook formation": the authors mean severing (not serving).

"It naturally forms an surface oxide layer mainly TIO2-based with minimal amounts of nickel that protects the base material from general corrosion": a surface (not an surface).

Discussion section: mechanical instable, should be mechanically unstable.

**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.