Reviewer's report

Title: Optical effects of exposing intact human lenses to ultraviolet radiation and visible light

Version: 4 Date: 11 November 2011

Reviewer: Dirk van Norren

Reviewer's report:

Minor Essential revisions
The vertical scales of the revised Figs 2-4 are all different: Fig 2 goes to 160% in 10 % steps, 3 to 116 % in 2% steps, and 4 to 115 % in 5% steps. This makes it difficult for the reader to appreciate the differences in magnitude. The units in all scales should be identical; the ranges may differ.
Consider constructing one figure 2, with sections A, B and C. All vertical scales have identical units; the range for 2 B,C may be smaller; write the irradiating wavelength with a large font in the sections (resp. 355, 400, and 532 nm).

Minor issues not for publication:
Typos
Caption Fig. 2 .....this was the only lens …
Page 8 Potentially this could have influenced the results.

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

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.