We have previously demonstrated that amino-levulinic acid (ALA) 10% gel with red-light PDT is safe and effective for the treatment of squamous cell carcinoma in situ (SCCis) of the trunk and extremities. We performed a follow-up study in which nine of the original twelve patients in our pilot study returned 29 – 40 months after their last PDT treatment. All patients were clinically clear of disease and only one of seven patients biopsied had residual disease. Our data supports that 10% ALA gel with red-light PDT can achieve long-term clearance and histopathologic disease clearance and is a viable alternative to surgery for select SCCis.

Objective
To determine the long-term efficacy of ALA 10% gel with red-light PDT for the treatment of SCCis of the trunk and extremities in immuno-competent patients.

Methods
- Nine out of the original twelve patients in the pilot study returned for evaluation at least one year after their last PDT treatment
- Clinical assessment and possible punch biopsy were performed to evaluate clinical and histopathologic recurrence of SCCis
- Cosmetic outcomes (rated 1-4) per the patient and investigator as well as patient satisfaction with PDT treatment were evaluated

Results
- All patients were clinically clear of disease
- Seven of the eight patients who underwent a biopsy were clear of disease, indicating a long-term clearance rate of 88%
- Lesions that recurred were initially > 2 cm
- Cosmetic assessment evaluated by the patient was congruent with that of the investigator, which was good to excellent
- Seven out of nine patients were satisfied with PDT

* one of the patients that declined biopsy had a previous negative biopsy performed 6 months after last PDT

Conclusion
ALA 10% gel with red-light PDT is effective to treat and induce long-term remission of SCCis of the trunk and extremities.