
**eFigure 1.** Comparison of effective irradiances.
**eFigure 2.** Light spectra.
**eFigure 3.** The range of calculated effective daylight doses. Each patient is represented by a blue bar.
**eFigure 4.** There was no significant difference between the maximal pain score with dPDT and awlPDT (p = 0.507, Wilcoxon signed rank test).

This supplementary material has been provided by the authors to give readers additional information about their work.
Supplemental Material
Spectra of effective irradiances from the different light sources with conventional red light sources shown for comparison. All light sources utilize the absorption peak for PpIX at 635 nm. The artificial white light source also utilizes the peaks 505, 540, 580 nm. Daylight irradiates all PpIX absorption peaks, including the main absorption peak at 410 nm.
Light spectra of daylight and operating room light vs normalised PpIX absorption spectrum. The daylight irradiance on a clear sunny day can be over ten times that of an overcast day. The artificial white light emission spectrum is similar to that of a clear sunny day particularly between 450 and 650 nm.
eFigure 3: The range of calculated effective daylight doses. Each patient is represented by a blue bar.

The treatments were between April and July. There is considerable variation during each month (e.g. April) and between months. Five patients received less than 8 Jcm\(^{-2}\) and the lowest dose was 3.2 Jcm\(^{-2}\). The mean effective daylight dose for dPDT was 21.38 Jcm\(^{-2}\) (SD 13.25, range 3.2 – 43 Jcm\(^{-2}\)). There was no association between the effective daylight dose and reduction in AK count.
eFigure 4: There was no significant difference between the maximal pain score with dPDT and awlPDT (p = 0.507, Wilcoxon signed rank test)

<table>
<thead>
<tr>
<th>Maximal pain score</th>
<th>Median (IQR, 25th – 75th percentile)</th>
<th>Maximum</th>
<th>Minimum</th>
</tr>
</thead>
<tbody>
<tr>
<td>dPDT</td>
<td>4 (18, 0-17.75)</td>
<td>70</td>
<td>0</td>
</tr>
<tr>
<td>awlPDT</td>
<td>6 (20, 0-20.25)</td>
<td>70</td>
<td>0</td>
</tr>
</tbody>
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