



Temperature measurements on the back of the hand
Susanne Kempermann, 9 July 2014

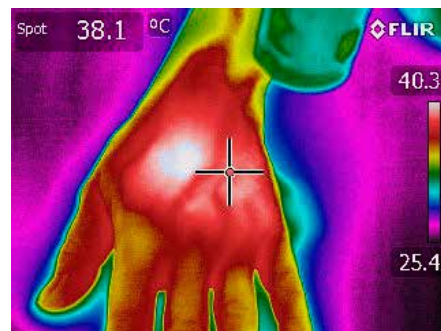
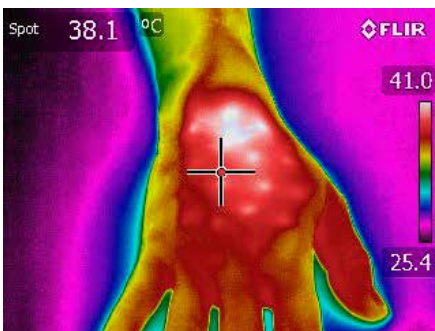


Initial temperature



The right hand was treated with the PowerTwin21
(at 808 nm, 21 x 100 mW, CW) with direct contact

The left hand was treated with a class 4 laser (810 nm, 15 W, CW) at a distance of approx. 5 cm with circular movements of the applicator.



Result:

The pictures were taken with a FLIR thermal imaging camera. Each shot was taken exactly 5 min after the treatment.

The result shows a nearly identical development of the temperature.

In the application with the class 4 laser unit (15 W, CW) at a distance of 5 cm to the skin without moving the applicator, heat development was already so high after 4–5 sec that the test person felt a shooting pain at the treatment spot.