

# Parameters of Microcirculation and Healing Time of Burn Wounds

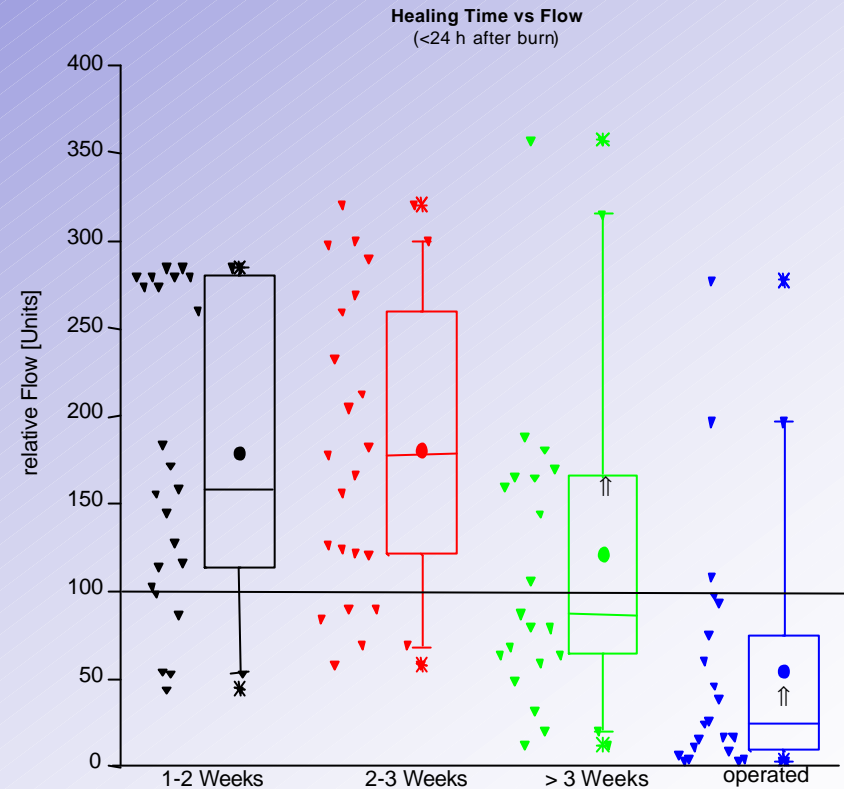
On 15 patient 86 burn wounds were examined. The wounds were clinically evaluated and examined additionally with the O2C (LEA Medizintechnik GmbH). The measurements were conducted within 24 hours and 3 days after the day of burn. The wounds were divided into 4 groups (healing time 1-2 weeks, 2-3 weeks, >3 weeks and operated wounds).



Clear healing tendency on P1, delayed healing on P2

The groups marked by  $\hat{\uparrow}$  are showing a significant reduction ( $p < 0,05$ ) of flow and velocity values compared to the other groups. The haemoglobin concentration and oxygen saturation of the operated group were significant lower to the group with 2-3 weeks healing. Neither flow, velocity, Hb concentration nor oxygen saturation were showing significant changes between the measurements on the first and the third day after burn.

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**“Retrospective analysis shows a correlation between healing time and flow and velocity.**