

Previously we compared the distribution and content of SP, NKA, CGRP, NPY, VIP, NGF and PGP 9.5 in neuronal cells before and after a single exposure to ALA-PDT; the choice of these mediators was strictly related to their involvement in different phases of wound healing.

This time we have considered iNOS since the great importance of this substance during wound healing.

The preliminary results of the experiments demonstrate that the expression of iNOS increase in chronic wounds treated with PDT.

About MCs, the degranulation index of these cells increase, they contain iNOS but the percentage of these cells containing this mediator decreases after treatment contrary to granulocytes and M2 macrophages where the expression of iNOs increases.

Finally it is observed that the majority of neurons contain iNOS.

However the response of other cells involved in iNOS secretion and in wound healing upon PDT are currently underway in the laboratory.

Neuroimmunomodulation in chronic wounds healing after treatment with photodynamic therapy: the role of iNOs

