ABSTRACT BOOK ABSTRACTS



PHOTOTHERAPY, PHOTODYNAMIC THERAPY

COMPARISON OF SEQUENTIAL TREATMENT OF DAYLIGHT PDT AND INGENOL MEBUTATE VS TWO SESSIONS OF DAYLIGHT PDT FOR ACTINIC KERATOSES

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Background: Field-directed therapy, such as Daylight-photodynamic therapy (DL-PDT) and Ingenol mebutate (IM), is warranted for multiple actinic keratosis (AK) visible on contiguous areas of skin with significant sun damage.

Objective: evaluate the effectiveness of sequential therapy of DL-PDT and IM compared to two sessions of DL-PDT for AK in clinical practice

Material and methods: an observational, multicenter, prospective study included patients diagnosed of AK, grades I-II, located on the head. Patients who were treated with DL-PDT were asked to be enrolled in the study. Those who do not achieved a satisfactory clinical response after 1 month of follow-up were treated either with another session of DL-PDT or IM treatment. Epidemiological and clinical characteristics were studied.

Results: Forty-three patients were enrolled, 39 male and 4 female. Their mean age was 78 years (SD:7,84). The average number of AK per patient was 9.58 (SD:1.16).

After a first cycle of DL-PDT, 27 patients (64.3%) required to be treated again: 13 (48.1%) received a second session of DLPDT and 14 (51.9%) received IM. After 3 months, 84.7% (n=11) of those treated with 2 sessions of DL-PDT and 77% (n=10) of those with the combination showed a clinical response >75% of the AK (p=0.8).

After one year of follow-up, higher clearance rates of the AK were observed in patients who received two sessions of DLPDT compared to those who combined one sesión of DLPDT with IM, 75.2% vs. 54.6% (p: 0.0013). Local skin reactions were more frequent in the group treated with IM versus that treated with two sessions of DLPDT (p=0,0245).

Conclusions The combination of DLPDT and IM does not show a synergic effect for the treatment of field cancerization being not superior than DLPDT monotherapy, although both combinations achieved high clearance rates with a high safety profile, excellent cosmetic











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