



AESTHETIC AND COSMETIC DERMATOLOGY (LASERS SEPARATE CATEGORY)

COMBINED TREATMENT OF KELOIDS WITH PULSED DYED LASER, CORTICOSTEROID INJECTION AND CO2 LASER

Rita Bouceiro-mendes⁽¹⁾ - Isabel Correia⁽¹⁾

Hospital De Santa Maria, Dermatology, Lisbon, Portugal⁽¹⁾

BACKGROUND: Keloids represent benign fibroproliferative tumors clinically presenting as raised erythematous dermal lesions, which may arise as a result to skin trauma and are a significant cause of physical, psychological and social burden for patients. The management of keloids remains a challenge due to high recurrence rates and treatments should be regarded and considered on a case-to-case basis. Multimodal therapy is an increasingly used strategy in the treatment of keloids. In this case we present an option that combines three different techniques and that has been used successfully for small keloids.

OBSERVATION: We report a series of 4 patients with small multiple keloids treated in a single session with Pulsed Dyed Laser followed by intralesional corticosteroid injection and CO₂ ablative laser. In all cases we observed immediate regression of the keloids. After the procedure patients were advised to use sunscreen SPF 50 and to apply topical silicone gel twice a day. The treatment was well tolerated with minimal side effects and no restrictions in normal activity. One month after the procedure highly significant flattening was visible and the patients were satisfied with the final results. At two months follow-up there is no sign of recurrence.

KEY-MESSAGE: The combination of Pulsed Dyed Laser (for erythema resolution), intralesional corticosteroid injection (due to their suppressive effects on the inflammatory process) and CO₂ ablative laser (as a safer alternative to surgery) represents a safe therapeutic option with good cosmetic results for the treatment of small keloids in one single session.

