

Management of keloid scars: Surgical versus medical therapy

Abdulahadi Jfri and Ali Alajmi
McGill University, Canada

Background: Keloid scars are benign fibroproliferative tumors that extend beyond the original wound. There are many different medical and surgical modalities to treat keloids.


Objective: This article provides a summary and review of the medical and the surgical options available in the literature for treating keloid scars. Furthermore, this paper organized the data into monotherapy versus combined therapy

Methods: A literature review was conducted using PubMed and MIDLINE that included English publications trials and reviews from April 2005-December 2017.

Results: Monotherapy is unable to completely flattened keloids and a combination therapy is always needed. Intralesional injection of steroid followed by silicone dressing is considered the first line. Excision followed by injection or application of certain compounds showed variable efficacy. The use of ablative laser improved the volume of the scar while non-ablative PDL reduces the erythema without flattening the scar.

Conclusion: The treatment of keloid is tested by a big number of trials using different regimens proving the resistance nature of keloid scars.

e: Abdulahadi.Jfri@mail.mcgill.ca

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