ABSTRACT BOOK ABSTRACTS



MELANOMA AND MELANOCYTIC NAEVI

COMPARISON OF TREATMENT OPTIONS FOR SMALL TO MEDIUM CONGENITAL MELANOCYTIC NEVI: A RETROSPECTIVE REVIEW OF 119 CASES

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Objectives: For small to medium sized congenital melanocytic nevi (CMN), the treatment of choice is staged surgical excision. Ablative lasers or pigment-specific lasers have also been recommended for lesions difficult for surgical removal or to avoid surgery. In this study, we retrospectively analyzed the results of several treatment options for CMN to find out the optimal treatment method.

Methods: Patients with small to medium sized CMN were retrospectively reviewed. Treatment options were categorized into four groups: 1) Excision only, 2) Excision followed by scar laser, 3) Excision followed by pigment-specific laser, and 4) Laser only. Treatment response was assessed by investigator's global assessment (IGA) score on a 7-point scale.

Results: A total of 119 cases were included. Lesions were most commonly located on the face (59/119, 49.6%), measured 2~10cm in size (72/119, 60.5%), and treated with excision only (50/119, 42.0%). Among treatment options, excision followed by scar laser showed the highest IGA score of 6.38. Options including surgical methods showed higher IGA scores compared to laser-only treatment (p < 0.01). Staged excisions and single excisions showed no difference in IGA scores. Patient satisfaction scores increased after scar laser treatment of the staged excision scar.

Conclusions: For the treatment of small to medium sized CMN, treatment strategies including surgical methods are cosmetically superior to laser-only treatment. Also, the combination of surgical excision with scar laser has the potential for better clinical outcomes and patient satisfaction.





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