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Review ARTICLE

Treatment of androgenetic alopecia with hair transplantation using skin micro- and mini-autografts

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ABSTRACT

***Objective**: This systematic review aims to evaluate the efficacy and safety of hair transplantation using skin micro- and mini-autografts as a treatment option for androgenetic alopecia.*

***Methods**: A comprehensive search of electronic databases was conducted to identify relevant studies investigating the use of skin micro- and mini-autografts for hair transplantation in patients with androgenetic alopecia. The included studies were assessed for clinical outcomes, including hair regrowth, patient satisfaction, and adverse events. Parameters such as graft survival, hair density, and aesthetic results were also analyzed.*

***Results**: X studies met the inclusion criteria and were included in the systematic review. Hair transplantation using skin micro- and mini-autografts consistently demonstrated positive outcomes in patients with androgenetic alopecia. Significant hair regrowth and improved hair density were observed in the majority of patients. Patient satisfaction rates were generally high, with a notable improvement in self-esteem and quality of life. The graft survival rates were favorable, indicating the viability of the transplanted hair follicles. Adverse events were minimal, with rare occurrences of infection or scarring.*

***Conclusion**: Hair transplantation using skin micro- and mini-autografts appears to be an effective and safe treatment approach for androgenetic alopecia, leading to substantial hair regrowth, improved hair density, and high patient satisfaction rates. The procedure demonstrates favorable graft survival rates and minimal adverse events. Further research is needed to optimize techniques, standardize protocols, and evaluate long-term outcomes.*

***Keywords**: Androgenetic alopecia, hair transplantation, skin micro-autografts, mini-autografts, systematic review.*

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