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Graft survival in hair restoration surgery

Introduction: Hair transplant is a common cosmetic surgery. Finer & newer techniques are coming up very often. Identifying and modifying the factors that affect graft survival have received a great deal of attention.

Materials & Methods: Harvesting done by Follicular Unit Transplant (FUT) and Follicular Unit Extraction (FUE). By adding good buffering solution for the graft storage and PRP application during the hair transplantation increases the graft survival. The factors affecting graft survival are discussed under the following headings: A. Follicular trauma – Mainly occurs by transection, dehydration and crushing of the grafts; B. Bio chemical factors – Lack of O₂, blood, nutrients and pH shift; C. Vascular factors – Refers to immediate post-operative oxygen supply and revascularization.

Results & Analysis: Suction assisted hair transplant with good buffering storage for the graft survival and PRP application during hair transplant has been done around 350+ cases in past 5 years.

Conclusion: Graft survival can be increased to greater extent by reducing the follicular trauma, storing the grafts in good buffering solution and by PRP application.

Biography

M M T Vasan practices at Apollo Spectra Hospitals. Professional qualification of the Doctor is MBBS, MS, Fellowship in Plastic & Cosmetic Surgery and specializes in Plastic and Cosmetic Surgery. Dr. M M T Vasan has expertise in Cosmetic Surgery with an experience of 7 Years.

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