

AN INNOVATIVE SEMI-BIOLOGICAL DRESSING FOR THE SCALP

Sandip Agrawal¹, Mithali Jage¹, Aseem Sharma¹, Rachita Dhurat¹, Sraddha Naidu Kona¹, Shraddha Mahobia¹
¹Dermatology Department, Lokmanya Tilak Municipal Medical College & General Hospital, Sion, Mumbai – 22

Corresponding Author:

Dr Rachita Dhurat

Dermatology Department,

Lokmanya Tilak Municipal Medical College & General Hospital, Sion, Mumbai – 22

Sir,

Common dermatosurgical procedures which are performed on the scalp are epidermal cyst excision, follicular unit extraction, and shave and punch biopsies. Post-surgery, dressing the scalp area is tedious and messy. There is practically no solid, stable surface to support the dressing, or for it to adhere to. For a scalp dressing to last for a longer duration, the hair in area surrounding the surgery site has to be shaved off, so that the dressing can adhere to the underlying scalp surface efficiently. However, this is aesthetically unacceptable to many patients. We developed an innovative technique for scalp dressing, using this limiting factor, hair, to our benefit.

The gauze is applied over the prepared surgical wound. Strands of surrounding hair are taken from all directions, and braided or

tied over the gauze piece. A step-wise depiction of the same is annexed herewith. (Figure 1) The principle of this dressing is to stabilize the gauze over the surgical wound with the help of a sling created by the surrounding hair. This eliminates the need to shave the hair to secure the dressing. Also, since the dressing gets camouflaged within scalp hair and is not visible externally, it is cosmetically appealing. The removal of dressing is also simple and involves untying of the hair strands, thus eliminating the discomfort of pulling out an adhesive bandage. (Figure 2)

Reference

1. Li MF, Gu L, Wang L, Dai JJ, Yang XK, Guan H, Han JT, Hu DH. [Design and clinical application of specialized protective cap for patients with alopecia after autologous hair transplantation]. *Zhonghua Shao Shang ZaZhi*. 2020 Sep 20;36(9):865-869.



Figure 1 :

A step-wise depiction of the dressing after scalp biopsy.



Figure 2 :

Dressing done at donor area after follicular unit extraction (FUE)

