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HAIR TRANSPLANT CORRECTION FOR FEMALE CHEMOTHERAPY INDUCED ALOPECIA

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1- BACKGROUND:

Definitive chemotherapy induced alopecia provide a difficult and unaesthetic hair problem

The various micrografts techniques allow an esthetic and definitive achievement of some post-chemotherapy alopecia with androgenetic alopecia pattern and low donor area density.

2- MATERIALS AND METHODS:

Hair thinning appears to follow and evolve in some cases according to a particular pattern for advanced baldness. The **multifactorial classification** and the **Trichoscan®** allow a precise evaluation of various parameters.

The surgical restoration consists on transplanting an adequate number of hairs (1000 to 2000 hair/session) according to the decreased hair density of the donor area.

Three techniques are currently available:

- **The follicular Unit extraction (FUE):** the scalp is previously shaved. Hairs are harvested with 0.9 mm punches. FUE has few indications for female baldness due to the decreased density of the donor area. Almost 500 to 1000 hairs might be transplanted in one session.

- **The follicular unit long Hair (FUL):** the scalp is not previously shaved. Long hairs are harvested with a strip followed by an undetectable linear scar. The transplantation of 1-4 long hair graft aims at restoring a natural aspect. In that way the patient have with this technique an immediate preview of the result and the scabs are masked by long hair. Each graft is easily selected according to the size of the follicular unit and the hair caliber and color.
Almost 1000 to 2000 hairs are transplanted in one session.

- **The follicular unit transplant (FUT):** the scalp is previously shaved. The technique is similar to FUL described above.

3- RESULTS:

Through the follow-up of 15 cases of chemotherapy induced alopecia, the best choice upon each procedure will be developed according to the adequation between the donor area capacity and the immediate and future wideness of the baldness.

For all the cases with low donor area density we prefer to select the indication of FUL long hair graft.

KEY WORDS: *chemotherapy induced alopecia – hair transplant – follicular unit transplant*