

SCALP MICROPIGMENTATION (SMP) -

ART AND SCIENCE BEHIND IT

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SMP

It is a highly sophisticated medical tattoo process whereby a dye is inserted into the skin using one or more needles to create an illusion of hair.

Variables affecting SMP

- * Angle of needle against the scalp
- * Depth of needle into the scalp
- * Time of the needle left in scalp(Exposure time)
- * Speed of the rotor
- * Resistance of scalp
- * Colour of pigment
- * Viscosity of dye
- * Needle number
- * Pattern of dot placement
- * Experience of operator

Pre Requisites for SMP

Some hair should be present to facilitate the camouflaging effect

Realistic expectations

Ready to accept change in colour of pigment

Willing to go for touch up procedures

INDICATIONS FOR SMP

- ❖ Male pattern hair loss
- ❖ Female pattern hair loss
- ❖ Improve the density post hair transplant
- ❖ Hair Transplant scars
- ❖ Alopecia areata
- ❖ Cicatricial alopecia
- ❖ Traumatic scars on scalp
- ❖ Sparse eye brow
- ❖ Cleft palate surgery scar

CONTRAINDICATIONS

- Bleeding diathesis
- Complete baldness
- Infection or active disease
at the site of treatment

COMPLICATIONS

- ❖ Local inflammation
- ❖ Transient itching
- ❖ Secondary infections
- ❖ Tattoo granuloma
- ❖ Allergic contact dermatitis
- ❖ Exacerbation of preexisting psoriasis, atopic dermatitis, and pyoderma gangrenosum
More common with red dye