



DERMATOLOGICAL SURGERY

## **SIMPLE BUT EFFECTIVE BLISTER FORMING TRICK IN SUCTION BLISTER TECHNIQUE (SBT)**

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**BACKGROUND:** Suction blister technique is convenient and cost effective, less time consuming, pure epidermal graft, excellent colour match, pigment spread from the graft to surrounding area- upto 46% and maximum pigmentation within 3-4 months happens without any scar for vitiligo treatment.

**METHOD & RESULTS:** Suction Blister Technique : The in vivo separation of epidermis from rest of the skin by production of a suction blister resulting in complete physiological dermoepidermal split was possible.

The piston of 10c.c. syringe is removed and instead of 3 way connector, an assembly line consisting of polyvinyl tubing (I.V. Line) cut both ends is attached. One end of the cut IV tube to its needle end piece of 10 c.c. and 50 c.c. syringe in the other end. The basal rim of this 10 c.c. syringe is then applied to the fully stretched donor site. Suction is then given by 50 c.c. syringe to create negative pressure. After the blister formation, the 50 c.c syringe is withdrawn after securing that end with an artery forceps. Both ends of the IV tube is now tied with Mersilk Suture material and artery forceps is withdrawn. Time required for separation is 45 mins to 2 hours. Blister is cut all along its border with curved iris scissors and its roof is everted over glass slide.

**CONCLUSION:** The use of IV polyvinyl tubing and securing the ends with suture instead of 3 way connectors or any vacuum creating devices is very cost effective and promising method to create intact and proper blisters in Suction Blister Technique.

