

2<sup>nd</sup> Global Summit on  
Dermatology and Cosmetology

&

3<sup>rd</sup> International Conference on  
Wound Care, Tissue Repair and Regenerative Medicine

September 09-10, 2019 | Edinburgh, Scotland

## Sparing subcutaneous septa avoids skin necrosis in the treatment of axillary bromhidrosis with suction-curettage shaving

Kuan-Ying Wang and Kuei-Chang Hsu

Changhua Christian Hospital, Taiwan

**Background:** Surgical treatment of axillary bromhidrosis or hyperhidrosis involves the removal of apocrine glands. There are several methods to eliminate apocrine glands; however, many methods reported significant rates of skin necrosis. To avoid this problem while preserving comparable results, we used a modified method sparing several subcutaneous septa, which successfully avoided skin necrosis completely in our series of 19 consecutive cases.

**Methods:** This is a prospective case series in a single center by a single surgeon. Unlike other series using suction-curettage shaver, we preserved some septa. The skin flaps between septa were approximately shaved as thin as 2 mm. The patients rated their smell on a 0-10 numeric rating scale (NRS-11) preoperatively and postoperatively. The results were analyzed with Mann-Whitney U test and Wilcoxon signed-rank test.

**Results:** A total of 19 consecutive patients were included. The mean degree of pre-operative and postoperative smell on the


NRS-11 scale was 7.200 and 2.825, respectively. There was only one patient who developed postoperative ecchymosis. No other complications, such as skin necrosis, hematoma, or infection were found.

**Conclusions:** We modified the suction-curettage cartilage shaver to eliminate the complications. Our method reveals a satisfying result, and there were no significant complications.

### Speaker Biography

Kuan-Ying Wang is a tutor of surgery of Yang Ming University. He formerly worked at Kaohsiung Veterans General Hospital as a plastic surgeon. After graduating from the Taipei Medical University, he specialized in Plastic Surgery in Kaohsiung, Taiwan and became a tutor in Yang Ming National University. He is a fellow of Kaohsiung Veterans General Hospital. He has published some scientific works regarding reconstructive and aesthetic surgery. He also gave presentations at American Society of Plastic Surgery. Currently, he is an attending physician at Changhua Christian Hospital.

e: kuanyingw@gmail.com

 Notes: