



DERMATOLOGICAL SURGERY

## COMBINATION OF W PLASTY AND BUROW ADVANCEMENT FLAP ON SINGLE WOUND, FOR REVISION OF UNAESTHETIC SCAR AFTER DOG BITE ON FACE; NEW TECHNIQUE

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**BACKGROUND:** W-plasty is a commonly used technique in facial cosmetic surgery, used to camouflage straight lines of a scar into an irregular pattern. Technique consists in the excision of consecutive triangles on each side of the scar with a zig zag appearing closing. The Burrow advancement flap consists in the excision of 2 standing cones, which increases scarring and flap size. In this case we present a combination of both techniques in a single repair for cheek scar, no preexisting reports.

**OBSERVATION:** Female patient of 16 years old with story of dog bite on mouth and cheeks which occurred 2 years ago, admitted in hospital for emergency repair and poor cosmetic result. Comes to consultation with irregular scarring on both cheeks that retracts mouth upward and gives patient a constant non intentional sarcastic smile. For right cheek which has a smaller defect a regular w plasty is designed, for left cheek which has 2 irregular scars that pull up mouth its designed a w plasty that connects to mouth angle and on the other end connects to a burrow advancement flap. Results are relaxing of smile, change in the direction of the scar which lays now relaxed tension lines and last but not least excision and camouflage of old scar with relaxation of whole cheek.

**KEY MESSAGE:** Burrow flaps and w plasties can be combined in a single wound for repairing unaesthetic scars. The combination of them allows the mix of reorientation thanks to the w plasti and the extension and relaxation next to free margins thanks to the Burrow flap.

