



DERMATOLOGICAL SURGERY

## AESTHETIC OUTCOMES OF NASAL BUROW'S GRAFTS WITH INTERDOMAL SUTURES AFTER MOHS MICROGRAPHIC SURGERY

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**Background:** Post-Mohs reconstruction of distal nasal defects is challenging. Many repair options exist, each with its own advantages and disadvantages. Utilization of a Burow's graft in combination with a manipulation of the underlying nasal cartilages with interdomal sutures is an underreported yet effective repair option that is technically straightforward and has numerous cosmetic benefits.

**Objective:** To present our experience with nasal Burow's grafts facilitated by interdomal sutures for the repair of nasal defects after Mohs micrographic surgery (MMS).

**Materials and Methods:** Patients who underwent repair with Burow's grafts and interdomal sutures from 2013 - 2017 at Saint Louis University were identified. Patient demographics, follow-up, and complications were recorded. Two independent board-certified dermatologists evaluated photos for cosmesis and alar symmetry.

**Results:** 31 patients were identified. 5/31 patients (16.1%) experienced minor complications without permanent sequelae. 4/31 (12.9%) patients underwent cosmetic revision. There were no incidences of pincushioning, nasal valve dysfunction, or graft necrosis. Aesthetic ratings were good to excellent. Alar symmetry was excellent.

**Conclusions:** A Burow's full-thickness skin graft facilitated by an interdomal suture to maintain nasal tip projection and tip volume is an elegant repair technique for oncologic defects on the nasal tip or supratip with good to excellent aesthetic outcomes. It should be added to the armamentarium for repair of distal nasal defects after MMS.

