

## Case report: Pediatric sinus malignancy cranial wound successfully closed with DermaClose® with good cosmesis

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### Case Report #33

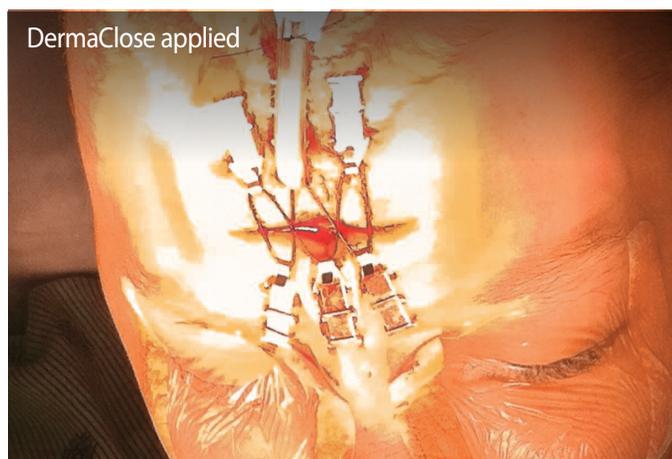
**Prior to application of DermaClose:** A 14-year-old male patient was found to have a frontal sinus malignancy which was a desmoplastic small round cell tumor. He had a resection and reconstruction with autologous bone and required postoperative radiation and chemotherapy. He developed infection and spontaneous drainage of purulent fluid.

**DermaClose application:** One month later the patient was brought to the operating room. An incision was made to debride the wound margins and the wound was undermined off of the bone to expose the craniotomy site. The craniotomy site was debrided and irrigated. Methylmethacrylate mixed with antibiotics was used to fill the bony defects and smooth out the forehead contour.

**DermaClose reapplied:** The patient was brought to the operating room. The DermaClose RC was removed and placed in Betadine®. The skin edges were debrided. The wound was then closed in layers with deep dermal suture and subcuticular suture. Four DermaClose skin anchors were reapplied in new locations. This was done to avoid tension on the exact same area on the skin. The tension line was placed around the four anchors and tightened.

**DermaClose removal:** Six days after re-application DermaClose was removed from around the incision site. The incision was clean, dry, intact, and healing well. The patient was satisfied with the results.

**Conclusion:** The patient was seen two months after initial placement of DermaClose. The incision closed completely and healed well with no fluctuance.



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