

Department of Surgery
2026 Research Day
6th May 2026 (Wednesday) | 7 am – Noon | MART Auditorium

Title:

A New Surgical Treatment for Severe Advanced Hidradenitis Suppurativa using Radical Unroofing with De-epithelialization and Split Thickness Skin Grafting with RECELL treatment: A Case Series

Author(s) and Affiliations:

David A. Roberts¹, Zach Erlichman¹, Aleksandra Krajewski¹

¹ Stony Brook Medicine, Department of Plastic and Reconstructive Surgery, Stony Brook, NY, USA

Faculty Mentor(s):

Aleksandra Krajewski, MD

Background:

Hidradenitis Suppurativa (HS) is a progressive inflammatory disease of the skin that can have severe morbidity and negatively impact quality of life. Treatment for advanced disease resistant to medical treatment involves surgical intervention. Here we present early results from four patients who have successfully undergone surgical management of severe hidradenitis suppurativa using our novel technique.

Methods:

We performed radical unroofing with de-epithelialization and split thickness skin grafting followed by application of RECELL autologous skin grafting. This is performed as a single stage procedure. Surgical outcomes and patient characteristics were compared.

Results (or Preliminary Results):

All four patients had Hurley Stage III HS and successfully underwent surgery with our novel technique. There were no major or minor complications. One patient required re-intervention. No patients have any recurrence of disease during the follow-up period up to 1.5 years. All patients achieved full re-epithelialization within 12 weeks.

Conclusions (or Preliminary Conclusions):

Our novel technique is a safe, effective, and reliable surgical intervention for the treatment of severe HS.