

► Case Report

Management of a Complex Open Pilonidal Wound with Geistlich Derma-Gide®

Patient Background

- > 24-year-old male
- > Presented with pilonidal disease
- > Experiencing swelling, drainage, and significant pain for 5 years
- > History of diabetes and hypertension

Case History

On initial patient assessment, the patient presented with pain, tenderness, swelling and erythema in the gluteal cleft with drainage.

Conservative treatment management of the pilonidal sinus was performed over the course of a year.

Case Summary by Jarrod P. Kaufman, MD, FACS

Pilonidal disease is a chronic skin infection in the crease of the buttocks near the coccyx (tailbone). It is widely known that a significant portion of pilonidal disease results in an open wound after wide excision of the cyst. Different surgical approaches to facilitate healing of complex open pilonidal wounds exist, and most commonly, the open wound is packed with gauze on a daily or twice daily basis over a long period of time.

In the prone position under general anesthesia, wide, complete excision of the abnormal tissue was performed. Post surgical excision of the pilonidal cyst, the patient was treated with a Purified Reconstituted Bilayer Matrix (PRBM) (Geistlich Derma-Gide®, Geistlich Pharma) (Figures 1 and 2).

The patient left Geistlich Derma-Gide® and the dressings intact and returned to the clinic at weekly intervals for inspection of the wound.

The complex open pilonidal wound healed without infection and without requiring re-operation. The time to healing in this case report was three weeks (Figure 3).



Jarrod P. Kaufman, MD, FACS

Dr. Kaufman is a board certified general and advanced laparoscopic surgeon and founding member of Premier Surgical in Brick, New Jersey. He is a clinical assistant professor in the Department of Surgery at Temple University School of Medicine and a clinically affiliated faculty member at the McGowan Institute for Regenerative Medicine at the University of Pittsburgh. Dr. Kaufman also serves as the Chairman of Surgery at Monmouth Medical Center Southern Campus Hospital. He has extensive experience in general surgery, including advanced laparoscopic surgery, complex hernia repair, and chronic venous insufficiency.

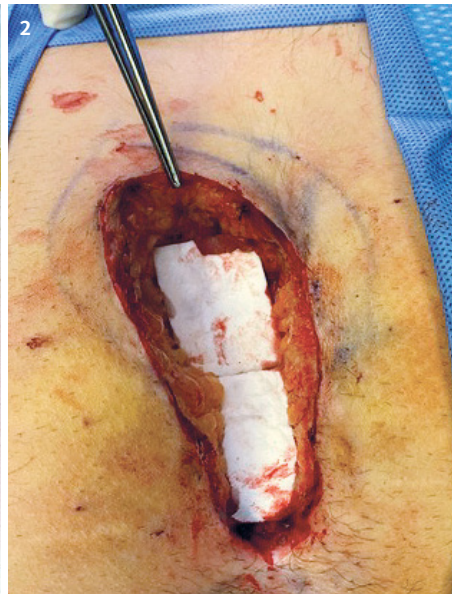
“Geistlich Derma-Gide® offers an opportunity to improve the wound healing in an open pilonidal wound while providing potential advantages of patient comfort and convenience.”

Clinical Case Documentation

- › Patient shown to have healing post Geistlich Derma-Gide® application with significant improvement of wound size and depth being observed.
- › The patient achieved wound closure three weeks post Geistlich Derma-Gide® application.
- › The wound remained closed 6 months post-closure.



Day 0: Day of Surgery
Assessment prior to surgical excision of pilonidal cyst.



Day 0: Initial Application
Defect at time of excision – Three (3) – 3 cm x 4 cm Geistlich Derma-Gide® were applied in the deepest and aspect of the wound. Wound remains closed.
Wound size (D x W x H): 2 cm x 9 cm x 12 cm



Day 20: Three Weeks Post-op
Follow-up three weeks post excision and Geistlich Derma-Gide® application.



Manufacturer
Geistlich Pharma AG
Bahnhofstrasse 40
6110 Wolhusen
Switzerland

Distributed by
Geistlich Pharma North America Inc.
Princeton, NJ 08540 USA
Phone toll-free 877 485 2968
www.dermagide.com

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