



**vetlen**

Daily Reloadable Antibiotic Delivery



# CASE STUDY

Patient Signalment: 5-Year-Old Male Neutered Shih Tzu  
Diagnosis: Degloving Injury of Left Tarsometarsal  
Region, Resulting in Skin Sloughing and Mixed Bacterial  
Infection

Surgeon: Toni L. Trego, DVM  
Hospital: Amboy Vet Clinic

# HISTORY & DIAGNOSIS



The dog was presented on 3/3/25 immediately following vehicular trauma to his left hind leg. Remarkably, no bony injuries were identified. However, the skin had been avulsed from the underlying tissue, extending from just proximal to the hock down to the toes. After several days of conservative management — including a drain, bandaging, oral antibiotics, and pain medication — all of the affected skin sloughed. A culture was obtained at the time of debridement on 3/10/25.



# SURGICAL TREATMENT TIMELINE

## Implantation

**March 12, 2025:** A pouch flap was created on the left body wall, and the left hind leg was inserted into the flap and sutured in place, along with a fenestrated drain and a 10 mL Vetlen Pouch. The drain was removed on 3/15/25. Antibiotic treatment administered through the pouch. The client was very grateful to discontinue oral antibiotics once the switch to vancomycin was made, as administering oral medications to the patient had been challenging.

**Drug and Concentration used in the Vetlen Pouch:** Initially ceftiofur sodium, 50 mg dose, qs to 9 mL total volume with 0.9% NaCl (3/12/25 through 3/21/25). Culture results revealed multi-drug resistant *Enterococcus faecium* along with *Streptococcus canis* and *Staphylococcus schleiferi*, so the doctor switched to vancomycin hydrochloride, 30mg dose, qs to 6ml total volume with 0.9% NaCl (3/22/25 through 4/1/25).



# SURGICAL TREATMENT TIMELINE

## Explantation

**April 2, 2025:** The flap of skin was excised from the donor site and was closed over the left distal limb. The Vetlen Pouch was removed, discarded, and the body wall wound was closed routinely. Parts of the flap became necrotic and sloughed; however, the majority has survived with only small areas of open granulating wounds currently remaining. As of today's bandage change, healing is progressing well, and the client is delighted with the result.

