

Modern Excessive Exudate Management of cavity wound:

A case study of Glans penis and periurethral abscess

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Background

Cavity wound is a complex wound characterization. It is most often found in conjunction with high secretions, inflammation under the cavity. And have a high chance of infection It hinders the wound healing process. Basic concepts of wound pathological management for faster recovery using the conceptual framework “TIME” (Martin Vera, 2016, NPIAP 2020, Opas Pinchai 2019), consisting of Tissue, Debridement Technique, Infection and Inflammation, Bacterial Management, Moisture imbalance, Exudate management, Edge of the wound as efficient.

The case study is 83-years old Thai male patient with urinary incontinence. Doctors diagnosed him with Glans penis abscess and periurethral abscess and necrosis and underwent Urethrectomy with Glansectomy and Bx. with SPC, Cavity wound 8.5 cm deep from the top penis to the Scrotal. Two weeks of wet dressing, Exudate excessive volume does not decrease. Pus culture Staphylococcus, Enterococcus. Consult the Wound care Team to provide joint care, minimizing the loss of image that may involve the loss of organs. If the wound doesn't improve, the doctor considers a penectomy.

Study method

Start Control Infection and Exudate in the first 2 weeks by Prontosan solution with Negative Pressure Wound Therapy (NPWT) around the junction of penis and scrotum and clean the wound every 3 days.

The end of the penis is closed with Askina calgitrol, which is effective in killing the wound pathogen Broad Spectrum Antimicrobial, changed every 3-5 days along with the Antibiotic for 1 month.

Results

Exudate dosage was significantly reduced in the first 2 weeks.

The scrotal area was shallow and narrow, from 8.5 cm to 1.5 cm, both left and right within 7 weeks. Closed wound by Suture at Scrotal. The patient was treated with Wound care 77 Days.

Penis Epithelium tip 100%

Conclusion

A technique for wound control with large amounts of secretions using Advance wound care products with Negative Pressure Wound Therapy affects the wound healing process and stimulates granulation tissue faster and reduces wound dressing burden. The patient and relatives are 100% satisfied and never lost the image.