

Case Studies



Topical Powder that Stops Bleeding & Absorbs Exudates

Case Study: Treatment for Post-surgical Wound Dehiscence

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11-14-07  
Patient presented 16 days post-op.



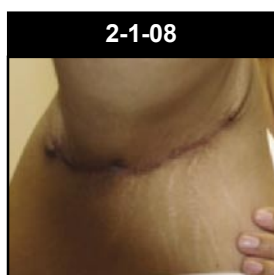
12-18-07  
Halfway through treatment with PRO QR powder, healing has shown definite progression.



12-26-07  
Epithelialization is apparent after 6 weeks of treatment.



1-07-08  
Wound is almost completely closed.



2-1-08  
Treatment with PRO QR powder resulted in full healing and wound closure.

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11-14-07  
Subcutaneous fat visible through base of wound.



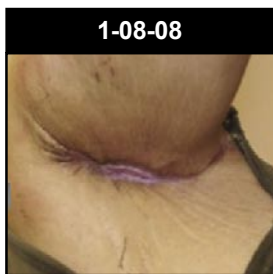
11-30-07  
2 weeks after beginning treatment with PRO QR powder and acetic acid solution.



12-18-07  
Almost 5 weeks into treatment, subcutaneous fat no longer visible.



12-26-07  
6 weeks into treatment, wound has begun to close.



1-08-08  
After 7 weeks of treatment, significant progress has been made towards wound closure.



2-01-08  
10 weeks into treatment, wound has completely healed.

## Case Studies



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& Absorbs Exudates

### **Case Study: Treatment for Post-surgical Wound Dehiscence**

#### **OBJECTIVE**

To evaluate PRO QR Powder as an alternative to traditional wound dehiscence treatment.

#### **ABSTRACT**

Wound healing is a long and complex process and can be affected by many different pre-existing health conditions and complications. Post-operative surgical wound dehiscence is a serious complication wherein a surgical wound does not close or heal properly. In this case study, a novel approach was taken to treat a patient who presented with this complication.

The patient was a 28 year old female who underwent a bilateral modified brachioplasty by another surgeon's office. The patient presented herself postoperative Day 16 (November 14, 2007) complaining of an open wound in her axilla. The left axillary wound measured 10 cm long by 5 cm wide. The right side of the wound measured 10 cm by 1 cm with wound margins tenuously adherent; subcutaneous fat could be seen through the granulated wound margins. Granulation tissue had formed at the loose margins of the fissure. Some fibrin exudate had gathered at the margins, but upon initial presentation, the wound was essentially open.

The decision was made to treat the dehiscence of the wound with PRO QR Powder. The wound was first cleaned with Dakin's solution (acetic acid). PRO QR was then used to fill the wound completely and a wet-to-dry dressing was applied. The patient was shown how to properly service the wound and had no difficulty doing so during the treatment period. The full course of treatment was approximately 10 weeks in duration with the patient cleaning the wound with Dakin's solution and re-applying PRO QR powder two times a day. The patient was reevaluated at two-week intervals and over this time displayed a positive response to the powder with the wound showing gradual healing. On February 1, 2008, the wound was found to have completely healed without any further complication.

#### **RESULTS**

- **The action of PRO QR Powder in the promotion of tissue granulation, prevention of infection and the increasing epithelialization compared favorably to traditional methods of treating surgical wound dehiscence.**
- **PRO QR effectively absorbs exudates and the PRO QR seal fosters a moist environment to promote healing.**
- PRO QR Powder is a **safer and more cost-effective** solution than surgical closure for wound dehiscence.
- PRO QR Powder is easy to use and allows patients to take an active role in their treatment.

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