

# CLINICAL CASE STUDY DEMONSTRATING ESCHAR AND SLOUGH REMOVAL OF A FULL THICKNESS WOUND OF THE CRANIUM WITH MINIMAL SCARRING UTILIZING A GLYCERINE GEL SHEET

Clinicians: Ruth Anderson, RN, CWS and Char Wilkening, RN, CWS  
Boone County Hospital, Boone, Iowa

## ABSTRACT

- Problem -** The patient sustained a full thickness wound of the cranium requiring thirty-eight staples to close. The patient presented to the wound clinic two weeks after initial injury with a 100% thick eschar covered wound measuring L5.6cm xW7.0cm. Initial treatment was selective sharp debridement, cleansing of the wound, applying petroleum jelly and covering with a glycerine gel sheet\*. The treatment plan was continued until healing occurred comfortably and with minimal scarring in forty-two days.
- Objectives -** After viewing this poster presentation the participant will be able to formulate a treatment plan for difficult to heal wounds of the cranium.
- Rationale -** The glycerine gel sheet\* was selected due to its comfort, conformability, ease of use, and scar reducing properties.
- Conclusion -** The glycerine gel sheet\* was impressively effective in removing eschar and slough and enhancing the healing of this traumatic wound comfortably with minimal scarring. The dressing changes were easily managed by the patient and his caregiver. Cost was contained because the glycerine gel sheet\* is bacteriostatic and antimicrobial, allowing re-use of one sheet for several days.

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## References

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## Case Study

After falling on the ice, a forty-seven year old sustained traumatic injury to his cranium requiring thirty-eight staples to close.

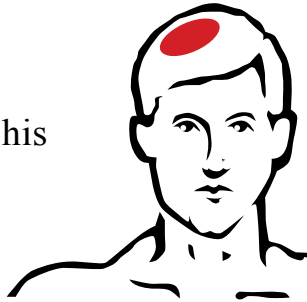


Photo 1: 01/06/05

**Photo # 1: - (01/06/05)** The patient presented to the wound clinic with a wound of two weeks duration measuring L5.6cm x W7.0cm covered with 100% thick hard black eschar requiring sharp debridement.



Photo 2: 01/13/05

**Protocol -** The wound was cleansed daily with a shower. Petroleum jelly was applied to the wound and it was covered with a glycerine gel sheet\*.

**Photo #2: - (01/13/05)** After one week of treatment the wound measured L3.2cm x W3.6cm and the eschar was loosening at the edges.

**Protocol -** Continuation of cleansing, petroleum jelly, and applying a glycerine gel sheet\*.



Photo 3: 01/20/05



Photo 4: 01/27/05

**Photo #3: - (01/20/05)** At two weeks following debridement the wound measured L3.0cm x W3.5cm and the eschar is softening. There were no signs or symptoms of infection. The protocol was unchanged.



Photo 5: 02/03/05

**Photo #4: - (01/27/05)** L2.3cm x W3.2cm. The slough is loose and wound continued to heal.

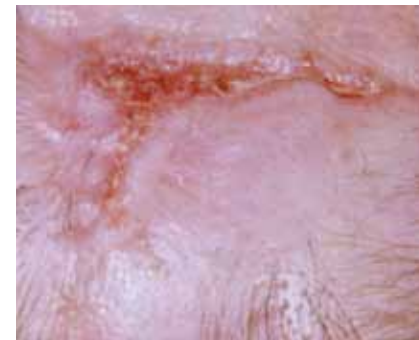


Photo 6: 02/10/05

**Photo #5: - (02/03/05)** L2.2cm x W3.2cm. The wound was again sharply debrided and an enzymatic debrider was added to the protocol to enhance removal of the slough.



Photo 7: 02/17/05

**Photo #6: - (02/10/05)** L1.5cm x W2.8cm. The wound is essentially slough free and the enzymatic debrider was discontinued.

**Photo #7: - (02/17/05)** The wound was healed in forty-two days with minimal scarring and was infection free.



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Product used

\* Elasto-Gel™ Glycerine Gel Sheet