

Author: Michelle Moore MSN, RN, CWCN, WCC, CLWCP, AWCC Background: Patient was working on his vehicle when it suddenly slid off the jack stands. The traumatic injury occurred when it suddenly slid off the jack stands. The traumatic injury occurred when it suddenly slid off the jack stands. and arm.

forearm secondary to a high bacterial load. Oral antibiotics were administered for 14 days.

dressing.

Patient Outcome: Within 5 weeks of continued soaks and dressing changes, the wound healed by secondary intention with no further need of oral antibiotics. After 90 days, the patient has 90% use of his hand and arm, moderate scarring, with minor nerve pain when his hand is closed firmly. The use of hypochlorous acid* in the treatment played a role in removing the high bacterial load and stimulated the healing process.

Initial Injury Post-Op, 10/23



THE INCORPORATION OF HYPOCHLOROUS IN THE TREATMENT OF A TRAUMATIC WOUND BED TO THE HAND

- **Description of Treatment Protocol:** After being admitted to the Emergency Room, the patient's wound was cleansed with normal saline. Following a consultation by orthopedics, it was determined that a subsequent operation was needed. The severity of the trauma wound was increased due to the unknown nerve damage and possible loss of mobility.
- Ortho directed the wound to be left open, soaked with Puracyn Plus Antimicrobial Hydrogel with a dry, sterile dressing changed daily.
- Upon discharge, the patient was instructed at each dressing change to continue soaking with Puracyn Plus Antimicrobial Hydrogel, and use of a dry, sterile

Necrotic Tissue Noted, 11/08

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In surgery, the wound was closed by primary intention with a postoperative dressing was removed and the wound had dehisced in the palm and distal part of the

Healed, 12/14

90-Day Follow-Up, 3/21

