Jet Lavage Irrigation of Severe Chronic Pelvic Pressure Injury With Modified Sodium Hypochlorite: A Case Report
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**Introduction:**
Difficult chronic sacral pelvic pressure injuries can pose a challenge to medical providers in terms of therapeutic choices. We have studied daily jet lavage irrigation in the outpatient setting finding excellent safety and wound cleansing compared to the standard of care. This report assess the addition of antiseptic as a low pressure irrigated fluid.

**Method:**
A 72-year-old male has a large stage 4 pelvic pressure injury over the sacrum for 8 years. After surgical debridement, he was entered into an investigational study where the wound was treated daily (ave. 5 days/week) with low pressure jet lavage (8 PSI) irrigation with 3 liters of fluid (IRB #6066, Sterling Investigational Review Board, Atlanta, GA). After 13 months treatment, we noticed that wound cleansing was not complete with our protocol.(Fig 2) We added modified sodium hypochlorite to the irrigation and assessed wounds with autofluorescence digital imaging (MolecuLight, Inc. Toronto, CA)

**Results:**
After a long weekend 72-hour delay in treatment, MolecuLight image reveals near complete removal of bacterial bioburden in most examples. This implies that the reduction from >log 4 bacteria/gram tissue is reduced to <log 2. (Fig 3)

**Conclusion:**
Adding antimicrobial irrigation jet lavage irrigation for selective mechanical debridement is a safe and incremental improvement for early wound bed prep.

**References:**