

# USE OF PHOSPHOLIPID AND ALOE VERA BASED TOTAL BODY CLEANSING SYSTEMS FOR TREATMENT OF LOW-GRADE PRESSURE ULCERS: A CASE STUDY SERIES

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**AIM:** Critically ill intensive care unit (ICU) patients are frequently under high risk of developing pressure ulcers due to long illness period, severe infections, edema, anemia and hyperglycemia. The aim was to evaluate the performance of a phospholipid and aloe vera based total body cleansing system for management of grade 1 -2 pressure ulcers in those patients.

**METHODS:** Nine patients admitted to the ICU (median age: 71) with low grade pressure ulcers were included in the clinical observation. Each patient received daily care with phospholipid and aloe vera based total body cleansing system. Wound progression and healing were assessed using clinical observation and digital photographs. Patients were followed throughout their stay. (median follow-up 39 days). All patients received enteral nutrition to maintain protein balance. Alternating pressure mattresses and frequent positioning were practiced for all.



**Figure 1:** A grade 2 pressure ulcer that developed on the back of an obese, hypoalbuminemic patient with septic shock because of a probe cable. The pictures are taken 5 days apart.



**Figure 2:** A grade 2 pressure ulcer that developed in a diabetic, congestive heart failure patient, on the anterior iliac process that healed on the 7th day of treatment.



**Figure 3:** A grade 2 pressure ulcer that developed in a cardiac arrest patient with ongoing hemodynamic instability due to pulse oximetry probe. The picture taken on the first day, a week after and 3 weeks after.

**RESULTS:** First degree wounds were observed in 3 patients. Second degree wounds (skin tears, bullae formation) were observed in 6 of the patients. The wound healing occurred with daily care with phospholipid and aloe vera based total body cleansing systems. Treatment with phospholipid and aloe vera based total body cleansing systems were well tolerated with no side effects. Median healing period was 10 days.

**CONCLUSIONS:** The result of this case series indicate that the use of phospholipid and aloe vera based total body cleansing systems for low grade pressure ulcers was cost-effective, well tolerated, and hastened recovery.

# APPLICATION OF PHOSPHOLIPID AND ALOE VERA BASED TOTAL BODY CLEANSING SYSTEMS FOR TREATMENT OF SKIN CANDIDAL INFECTIONS: A CASE REPORT

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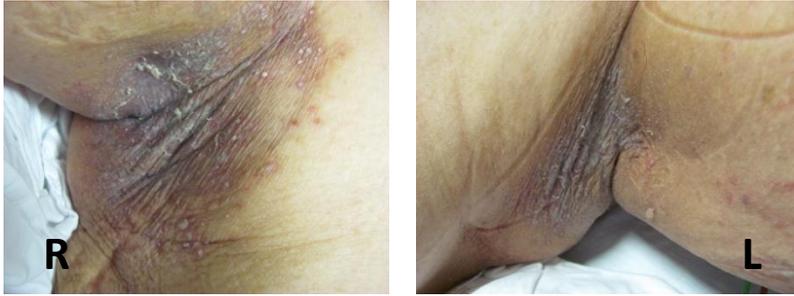


Figure 1: Axillary pustulating candida infection at the beginning of the therapy.



Figure 2: Lesion on the 2nd day of treatment.



Figure 3: At the end of the first week pustulating lesions were almost clear.

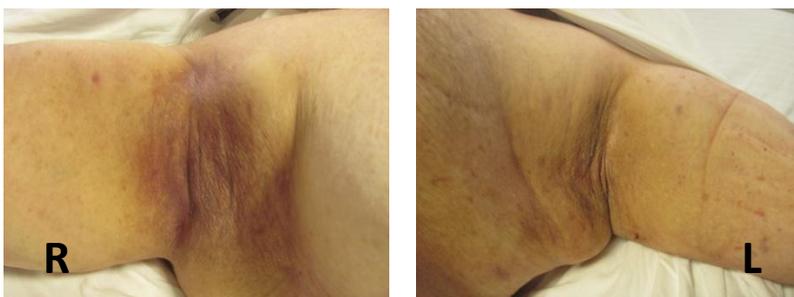


Figure 4: Lesions were healed on the 14th day of treatment.

**AIM:** Evaluation of efficacy of a phospholipid and aloe vera based total body cleansing systems for treatment of intertrigo and candida skin infection.

**METHODS:** A 71- year-old, obese female was admitted to the intensive care unit department with the diagnosis of acute respiratory failure due to chronic obstructive pulmonary disease, cor pulmonale and acute renal failure. She was on mechanical ventilation. She was not diabetic, however she had high glucose levels on admission requiring insulin infusion. Upon observation of bilateral axillary intertrigo and pustulating candidal skin infections, twice daily care of the skin with a phospholipid and aloe vera based total body cleansing system was begun. No other medical drugs or cleaning systems were applied.

**RESULTS:** The lesions were examined daily and progressive improvement was observed. At the end of the second week the lesions were almost completely healed.

**CONCLUSIONS:** Practical application, low cost, minimal irritation and no systemic effects make phospholipid and aloe vera based total body cleansing systems attractive for use in intensive care units where patients are already receiving multiple drugs and many time-consuming/ costly interventions.