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Improved Treatment for Moisture Damaged Skin Due to Weeping Lymphorrhea with Bacterial Colonization: elastic compression control of lymphatic hypertension and active carbon cloth to control biofilm bacteria inflammation are probable mechanisms

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Problem

Moisture associated skin damage is a challenging to treat and can lead to chronic wounds that are notoriously difficult to heal.^{1,2,3} When lymphorrhea from massive lymphedema is the source of moisture damage, management of the inflamed, colonized wet limb becomes impossibly challenging with traditional protocols for controlling edema.

Methods

Ad hoc initial protocols developed in Omaha, Nebraska for management of wet leg that utilize fuzzy wale elastic compression textile have delivered dramatic

healing results, drying up lymphorrhea, clearing bacterial overgrowth, and clearing of dermatitis.^{4,5} Therapeutic contact layers, including activated carbon cloth** and rayon coated with hydrophobic DACC polymer***, in tandem with fuzzy wale compression*, appears to be helpful in clearing lymphorrhea and dermatitis.

Results

Photographs document treatment details and outcomes in four difficult cases. All lymphorrhea stopped, all dermatitis cleared and all wounds healed. Lymphatic hypertension, evidenced by lymphorrhea, cleared by day 14.

Conclusions

Informal initial treatment protocols for lymphorrhea and wet leg that utilize fuzzy wale elastic compression textile appear to: 1. control lymphorrhea, and 2. heal skin ulcers. Active carbon cloth under compression in contact with wound granulation appears to: 1. aid healing of ulceration, and 2. speed clearance of moisture associated dermatitis.

References:

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