

LOCAL TREATMENT OF CHRONIC WOUNDS USING MULTIPURPOSE DRESSING WITH ACTIVATED CARBON: A CASE STUDY

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Aim: To assess the efficacy of multipurpose dressing with activated carbon in promoting healing, reducing odor, alleviating pain, and preventing peri-wound maceration in patients with chronic wounds.

Method: A prospective case study was conducted, involving twelve patients with colonized chronic wounds in the inflammatory phase, with a significant amount of exudate treated at a daily wound care clinic. The patients received treatment with multipurpose dressing with activated carbon. Observed outcomes included wound size, changes in wound bed tissue, odor intensity, peri-wound skin maceration, and pain intensity during dressing changes. Patients were followed for six weeks. Data were collected between April 2021 and September 2022 and analyzed using descriptive statistics.

Results / Discussion: We observed a reduction in wound area (up to 35%), a decrease or absence of peri-wound maceration within a period of up to 7 days (2-3 dressing changes), decrease of absence of odour within a period of 4 days (between first and second dressing change) and low to moderate pain intensity reported during dressing changes (between 2-4 in the majority of cases).

BASELINE P4



P7



P11



6 WEEKS P4



P7



P11



Conclusion: Multi-purpose dressings with activated carbon provide a reduction of wound size, intensity of odour and peri-wound maceration area. Furthermore, the dressing has a more moderate impact on pain reduction during dressing change.