



P15:117

## Does VAC therapy really promotes local recurrence of musculoskeletal tumors?

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Background: Vac therapy is widely used for treating open wounds in orthopedic oncology for better healing and to minimize the necessity for complex surgical interventions as free flap surgery or other prolonged plastic reconstructions.

We believe that the use of VAC therapy do not promote local recurrences.

Methods: From May 2004 to December 2012 we treated 30 patients with VAC therapy for open wounds .

in some case the wound was left open after primary surgery and in other group the treatment was for reopened wounds after infections or other soft tissue problems.

Results: The average treatment time was 10 days (7-22 days). In 15 patients the wound healed primarily with the VAC therapy and with no need for any further surgical treatment.

13 patients needed a simple skin graft for closure and 2 patients needed a muscle flap after the VAC treatment.

There were 3 local recurrences one after 2 month and the other two after more than one year.

Conclusion: According to our experience VAC therapy is safe to use in Orthopedic-Oncology patients. It does not promote local recurrence and recommended as adjuvant therapy for better wound healing and less extensive surgery.

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