

CASE REPORT ON THE USE OF SILVER ALGINATE FOAM DRESSING FOR DOG BITE WOUNDS

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Background:

Dog bite wounds are common wounds in Thailand. 3% to 20% of dog bites will become infected. Several risk factors for bite wound infection were over 50 years, DM, moderate to severe wounds. Among the various wound types puncture wounds have the highest incidence of infection. So we should dress the wounds with silver dressing that could protect or cure infection. The silver alginate foam dressing (Askina Calgitrol Ag[®]) is a technologically advanced wound dressing that incorporates the barrier effectiveness of ionic silver with the absorbency capabilities of calcium alginate and polyurethane foam. It is recommended for the management of infected or non-infected, partial to full thickness wounds. The wounds heal faster. This can be done with saving time, labor and cost of patient's care.

Objective: To study the efficacy of the use of the silver foam dressing with dog bite wounds.

Method: Three patients of the same family consisted of father, mother and their daughter had been bitten with their Bangkaew dog. They had lacerations, crush and puncture wounds. The wounds were inflammation and infection. They were cleaned with NSS and covered with silver alginate foam

dressing (Askina Calgitrol Ag[®]) for 2 times a week until the wound complete healed.

Results: The dog bite wounds of three patients were healed about one month. The patients were satisfied very much. The cost of the silver foam dressing was cheaper compared with a regular dressing, pack NSS and cover with gauzes.

Conclusion: The silver foam dressing is a good alternative choice for the dog bite wounds that have infection or prone to infection. Because it manages infected wounds and supports the wound healing. It can also reduce the number of dressing with saving labor costs.
