

Thesis Title : A Comparative Study of Wound Infection
between shaved and non shaved skin in Ab-
dominal Surgery

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ABSTRACT

The purpose of this study was to compare the wound infection rate between shaved and non shaved skin in abdominal surgery. The quasi - experimental study was conducted in Siriraj Hospital. The samples were acute appendicitis patient who were at least thirteen year of ages. The eighty samples were equally divided into two groups. One was controlled group composed of 40 patients who were shaved skin for preoperative preparation and another was experimental group composed of 40 patients who were not shaved skin for preoperative preparation. The data were collected by swabbing the skin at operative area before the skin shaving, before and after skin scrubbing in the operative theater, and after the surgical procedure. Forty-eight to seventy-two hours after the operation the wound was evaluated for evidence of infection everyday until the

subjects were discharged. End point of this study was when there were evidence of wound infection or when the surgical wound was stitched off. Exudate from surgical wound was sent for bacteriologic study in every case suspected of wound infection in order to identify the causative pathogen.

The data were analysed by using percentage, Mann-Whitney U test and Z-test. The result of the study showed no statistical difference between the shaving and non shaving groups by means of their incidences of wound infection. ($P > .05$)