

Thesis title The study of relationship between micro-organisms in burn wound and its atmosphere, Burn unit, Ramathibodi hospital.

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ABSTRACT

The incidence of nosocomial infection in burn unit, Ramathibodi hospital is still high. This study aimed to find the relation between micro-organisms in burn wounds and its atmosphere.

Eighty-five burn wounds from 24 patients were study by receiving swab culture at admission, 24 hours, 72 hours, and 7 days respectively. The results of the identification showed significant relation with the identification from settle plate and room air sampling ($P < .005$) only the first 24 hours of hospitalization. Degrees of burn was also had relation with the incidence of infection by relative risk and odd ratio more than 1. The length of hospitalization had significant relation with the incidence of infection ($P < .001$) only on the 7th day.