

CHAPTER II

OBJECTIVES

1. To study the epidemiology of Methicillin-Resistant *Staphylococcus aureus* (MRSA) in the burn unit at Siriraj Hospital in the following aspects :
 - 1.1 The prevalence of MRSA in burn patients, medical personnel and medical equipment in the unit.
 - 1.2 The route of transmission of MRSA.
2. To study the prevalence of MRSA in patients and medical personnel in the other wards of the same hospital in case that the suspected MRSA outbreak has occurred during the time of study.
3. To perform MRSA strain typing using Pulsed-Field Gel Electrophoresis (PFGE).
4. To examine antimicrobial susceptibility patterns of MRSA.
5. To determine the relationship between the antimicrobial drug administration and the occurrence of MRSA.

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