

## Abstract

# Profile Patient Burn Injury With Sepsis In Burn Center Dr. Soetomo General Hospital Surabaya From 1<sup>st</sup> January to 31<sup>st</sup> December 2015

Mirza Gilangmas Perdana <sup>\*</sup>, Cita Rosita Sigit Prakoeswa <sup>\*\*\*</sup>, M. Sjaifuddin Noer <sup>\*\*</sup>

<sup>\*</sup>Medical Student, Faculty of Medicine, Universitas Airlangga

<sup>\*\*\*</sup>Department Dermato Venereology, Faculty of Medicine, Universitas Airlangga

<sup>\*\*</sup>Department Plastic Surgery, Faculty of Medicine, Universitas Airlangga

### Purpose

Burn injury is one of the most devastating form of trauma that mostly occur in developing country, like Indonesia. It can happens to all ages, like children, adult, or elderly people. They have to be hospitalized to get specialized care to prevent any complication that can cause mortality and morbidity. An advance of nutritional support, fluid resuscitation and infection control can improve the outcome. The aim of this study is to understand the epidemiologic information of burn injury and its complication.

### Methods

This research use retrospective study of medical records in Dr. Soetomo General Hospital to observe descriptive data such as ages, sex, causes of burn injury, degree of burn injury, total body surface area, patient's outcome, and sepsis complication of burn injury patient in *Burn Center* at Dr. Soetomo General Hospital from January 1<sup>st</sup> to December 31<sup>st</sup> 2015.

### Results

From 61 sample collected, 41 (66%) of them were males while 20 (34%) were females giving male:female ratio of 1.9:1. 25-62 group of age is the most common age in burn injury (62.30%). Most common cause of burn injury is flame with 45.90% of all the burn injury case. Retrospectively, 37 (60.66%) patient were cured, 23 (37.70%) patients were dead and 1 (1.64%) patient were discharged. In this research, 14 patient were diagnosed with sepsis which female patient have a higher number than male patient (57.14%). Most common cause of burn with sepsis is flame with 7 patients (50%). Death is the most common outcome in patient with sepsis (57.14%)

### Conclusions

This research proves that burn injury with sepsis mostly occurs in females with 25-65 group of age is the most common. This study also shows that death is the most common outcome in burn injury with sepsis.

### Keyword

Burn injury, sepsis, *Burn Center*