ABSTRACT

A DESCRIPTION OF BURNS PATIENTS WITH HYPERTROPHIC SCAR AND ASSESSMENT BASED on THE SCAR USING VANCOUVER SCAR SCALE (VSS) at DR. SOETOMO GENERAL HOSPITAL AUGUST-NOVEMBER 2017

Background: Hypertrophic Scar is the result from a disrupted healing process of burn wound. There is not any exact general description and assessment with Vancouver Scar Scales based on the hypertropic scars at Dr. Soetomo General Hospital Surabaya yet. Therefore, the purpose of this study to find out the general description of hypertrophic scar patients due to burns that has been scored using Vancouver Scar Scale at Dr. Soetomo General Hospital Surabaya.

Method: Observational descriptive research had been performed to all burn patients with hypertrophic scar after burns who came to the Plastic Surgery Department of Dr. Soetomo General Hospital surabaya since August until November 2017. We collected demographic data (gender, age, domicile, causes and anatomy location area and assessed with VSS and skin color.

Results: The patients were 13 patients with proportion of 46% male and 54% female. The patients ranged in age from 3 to 59 years old, with 46% patients in age 18-40 years old. Regarding domicile of patients, 69% were from outside Surabaya, 31% from Surabaya.The most common causes of burns was Scald burns (46%). The most common anatomy location area is upper extremity (23%). Skin type 4 has 69% and Type 5 with 31%. The value of VSS > 7 is 84% and VSS ≤ 7 is 16%.

Conclusion: Patients with hypertrophic scars who had a VSS > 7 more in male patients, at age 18-40, living outside Surabaya, mostly due to burn injury cause by scald, the most anatomical location was upper extremity and with fitzpatrick type skin color 4.

Keywords: burns, hypertrophic scars, vancouver scar scale