

ABSTRACT

The Profile of Stroke Patients with Diabetes Melitus as Comorbidity in Neurology Hospitalized Department (Seruni, Seruni A, Seruni B) of Dr. Soetomo General Hospital, Surabaya during the period of September 2015 - September 2016.

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Background: Stroke is one of the leading cause of death in the world. Diabetes mellitus as one of the risk factor can increase someone's chance of getting stroke 1.5 – 3 times higher as well as increase the mortality and morbidity range. **Objective:** to evaluate the profile of new inpatients stroke with diabetes melitus type 2 in Neurology Department of RSUD Dr. Soetomo from September 2015 - September 2016. **Methods:** The study design was observational descriptive retrospective, conducted using medical records of the patients. From 120 patients, 57 was chosen as a sample that suitable with the inclusion criteria. **Result:** The largest proportion of strokes are ischemic stroke (82 %), most frequent genders are Male (53 %), age ranging from 45 – 65 years old (58 %), Random Plasma Glucose > 200 mg/dl (53 %), Fasting Blood Glucose 80-130 mg/dl (51 %), 2 hour Plasma Glucose <180 mg/dl (47 %), HbA1C > 7 % (49%), period of stay mostly 8-14 days (48 %), and most of the patients are home alive (89 %). **Conclusion:** The new case of stroke patients with diabetes melitus type 2 are still high. From the research, it is proven that variables analyzed have significant contribution due to the history of the disease. But we hope the next study will conduct a better research using bigger sample and specific methods with inclusion and exclusion criteria that really describes the real condition of the patients.

Keywords: Stroke, Diabetes Melitus type 2