

ABSTRACT

COMPARISON LEVEL OF MEAN PLATELET VOLUME IN NON HEMORRHAGIC STROKE AND HEMORRHAGIC STROKE

By

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Stroke are multifactoral disease with various cause, accompanied with major manifestation, and became cause of disablement and death in developed country and also developing country. 500.000 of Indonesian had stroke, and about 25% died, the rest are had mild to severe disablement. Mean platelet volume (MPV) is an indicator of platelet reactivity. Platelets play an important role in the pathophysiology of ischemic stroke but the effect in the pathogenesis of hemorrhagic stroke is poorly understood. The objective is to examine the comparison level of mean platelet volume in non hemorrhagic stroke and hemorrhagic stroke patients.

This research is a comparative analytic descriptive research with retrospective approach that been held in Neurologic Department of RSUD H. Abdul Moeloek Bandar Lampung, by looking to patient with hospital treatment's medical records in Bougenvil room on 2014. Purposive sampling were being used as sampling methods. Based on inclusion criteria, there is 44 patients with non-hemorrhagic stroke, and 44 patients with hemorrhagic stroke. The data been analyze by using T independent test.

The result is MPV level in non-hemorrhagic stroke is 9,905fl and in hemorrhagic stroke is 9,548 fl. The comparison MPV level in non-hemorrhagic stroke and hemorrhagic stroke is significant by statistic with $p= 0,000$.

The conclusion are there is a differentiation of MPV level between non-hemorrhagic stroke and hemorrhagic stroke.

Keywords: hemorrhagic stroke, MPV, non-hemorrhagic