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**P-SSIH- Predictors of shunt dependency in spontaneous hypertensive intracerebral hemorrhage**

Spontaneous intracerebral hemorrhage (SICH) has a significant toll on morbidity and mortality with estimated annual affection of >1 million people worldwide. The most common risk factor is being uncontrolled hypertension. The incidence is even higher in Asian population, partly due to limited care for hypertension and non-compliance. Frequently, SICH is complicated by acute hydrocephalus, necessitating emergency CSF diversion with a subset of patients, ultimately requiring long-term permanent shunt diversion. The factors predicting need for ventricular shunt placement in SICH patient population is unclear. We try to analyze various factors that might have significant contributory effect for the need for long-term shunt placement in SICH patients. We performed a retrospective analysis of 48 patients out of 125 patients with hypertensive intracerebral hemorrhage intervened surgically at National Institute of Neurological and Allied Sciences, Bansbari, Nepal in between 2015 to 2017. A multiple logistic regression model was developed to identify independent predictors of shunt-dependency after SICH. We included various clinical, radiological and interventional variables. Infratentorial location of SICH, volume, initial hydrocephalus, intraventricular extension of bleed, third ventricular ballooning, need for craniotomy and initial EVD placement has a significant association for predicting long term shunt dependency; though does not show significant increase in risk.

**Biography**

Shikher Shrestha has completed his FCPS Neurosurgery from Fellow of College of Physicians and Surgeons, Pakistan in 2016. Currently, he is working as a Consultant Neurosurgeon at National Institute of Neurological and Allied Sciences, Bansbari, Kathmandu, Nepal; where he got his formal training with his mentor Prof. Devkota, pioneering Neurosurgeon in Nepal. He has worked in stroke management since the early phase of his training and has even published the paper on first thrombolysis in stroke in Nepal. He is a Member of Nepalese Stroke Association and was in the organizing committee of 1st International Nepalese Stroke Conference 2017. His current interest is in the field of Neurovascular Surgery and has been practicing the same in Nepal.

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