

# Luaran perdarahan intraventrikel yang dilakukan operasi di departemen bedah saraf RS. Cipto Mangunkusumo, telaah berdasarkan modified rankin scale = Intraventricle bleeding outcome operated on neurosurgery department of Cipto Mangunkusumo hospital based on modified rankin scale

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## Abstrak

**Pendahuluan:** Perdarahan Intraventrikel Intraventricular Hemorrhage / IVH merupakan perdarahan spontan yang terjadi di dalam sistem ventrikel, 30-45 sering berhubungan dengan Intracerebral Hemorrhage ICH . Evaluasi aktifitas sehari-hari yang akurat dan tepat pada pasien pasca stroke sangat penting untuk kualitas perawatan dan pengukuran luaran pasca perawatan stroke. Modified Rankin Scale mRS merupakan skala pengukuran disabilitas yang dipakai secara global untuk evaluasi pemulihan dari stroke.

**Tujuan:** Menelaah data luaran penderita perdarahan intraventrikel yang dilakukan operasi di Departemen Bedah Saraf Rumah Sakit Umum Pusat Nasional Cipto Mangunkusumo berdasarkan mRS.

**Metode:** Penelitian ini merupakan penelitian retrospektif dengan desain potong lintang cross sectional . Adapun variabel independent yaitu lokasi lesi perdarahan intraserebral, IVH-skor, GCS awal, dan variabel dependent yaitu luaran berdasarkan skoring mRS. Subjek penelitian adalah semua pasien penderita perdarahan intraventrikel yang dikelola Departemen Bedah Saraf RSUPN Cipto Mangunkusumo selama periode Januari 2010 sampai dengan Agustus 2016. Jumlah sampel pada penelitian ini didapatkan 23 sampel. Data penelitian diperoleh melalui catatan rekam medis, subjek dihubungi via telepon, kemudian subjek atau keluarga diwawancara untuk menilai status fungsionalnya dengan mRS. Data diolah dengan menggunakan program SPSS 21.

**Hasil:** Luarannya 6 bulan IVH dengan menggunakan mRS secara keseluruhan didapatkan independent 11 pasien 47,8 dependent 4 pasien 17,3 dan 8 pasien meninggal 34,9 . IVH sebagian besar berusia di bawah 60 tahun 60,8 dan 39,2 yang berusia diatas 60 tahun, dari penelitian didapatkan IVH skor terbanyak adalah >15 sebanyak 15 pasien 65,2 . GCS rata-rata 7,6 2,14 . MAP terbanyak adalah >100 dengan jumlah 20 pasien 87 , dan faktor resiko yang mengalami hipertensi sebanyak 19 pasien 82,6.

**Diskusi:** mRS dapat digunakan sebagai standar penilaian luaran IVH.

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**Introduction:** Intraventricular hemorrhage IVH is a spontaneous hemorrhage occurring within the ventricular system, 30 40 often associated with Intracerebral hemorrhage ICH, Accurate and precise daily evaluating activity in post stroke patients is critical for the quality of care and measurement of post stroke outcomes. Modified Rankin Scale mRS is a global disability measurement scale used for the evaluation of stroke recovery.

**Aims:** Configuring outcome data of patient with intraventricle hemorrhage operated at neurosurgery departmen of cm hospital based on mRS.

**Methods** This was an observational study with cross sectional design. The independent variables are location of intracerebral hemorrhage lesion, IVH score, initial GCS, and dependent variable is outcome based on mRS scores. Subjects of research were all patients with intraventricular hemorrhage administered by

Department of Neurosurgery Cipto Mangunkusumo Hospital during January 2010 until August 2016 period. The number of samples in this study were obtained 23 samples. Research data was obtained through medical record and transferred into data entry format, patients was contacted by telephone, then patients or family were interviewed to assess their functional status with Modified Rankin Scale. Data is processed by using SPSS 21 program.

Results: 6 months IVH overall outcomes are 11 independent patients 47.8 4 dependent patients 17.3 and 8 patients died 34.9. IVH were mostly under 60 years old 60,8 and 39,2 were aged over 60 years, from the study obtained IVH most scores were 15 as many as 15 patients 65.2. GCS averages 7.6 2.14 . Most MAPs were 100 with 20 patients 87, and hypertension risk factors were 19 patients 82.6.

Discussion: mRS can be used as standard outcome assessment of IVH.