

## Protein S 100b sebagai prediktor tingkat keparahan cedera kepala = Protein S 100b as predictor severity traumatic brain injury

Hendra Samanta, author

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### Abstrak

[<b>ABSTRAK</b><br> Nama Hendra SamantaProgram Studi Pendidikan Dokter Spesialis  
NeurologiJudul Protein S 100B sebagai prediktor tingkat keparahan cedera kepala Latar Belakang Cedera  
kepala merupakan salah satu masalah kesehatan masyarakat yang serius yang dapat menyebabkan kematian  
kecacatan fisik dan kecacatan mental Cedera kepala dapat menyebabkan sel astrosit rusak sehingga  
mengeluarkan protein S 100B yang dapat dideteksi didalam darah perifer sehingga dapat dipakai untuk  
memprediksi tingkat keparahan cedera kepala yang terjadi Penelitian ini bertujuan untuk mencari hubungan  
antara kadar protein S 100B dengan tingkat keparahan cedera kepala Metode Desain penelitian adalah  
potong lintang untuk mengetahui kadar protein S 100B pada pasien cedera kepala akut onset kurang dari 24  
jam Subyek penelitian sejumlah 85 pasien yang datang berobat ke Instalasi Gawat Darurat RSCM sejak  
bulan maret ndash juni 2015 Dilakukan penilaian GCS lamanya tidak sadarkan diri lamanya amnesia pasca  
trauma dengan bantuan alat TOAG pemeriksaan CT Scan dan pemeriksaan serum protein S 100B Hasil  
Didapatkan kadar rerata protein S 100B serum 0 77 g L rerata durasi amnesia 21 22 jam rerata nilai GCS 13  
Terdapat perbedaan kadar protein S 100B pada CKR rerata 0 4175 dibandingkan dengan pada CKS dan  
CKB 1 0722 p 0 020 nilai titik potong kadar protein S 100B pasien yang meninggal 0 765 g L p 0 002  
Simpulan Kadar rerata protein S 100B pada cedera kepala ringan lebih rendah dibandingkan dengan kadar  
protein S 100B pada cedera kepala sedang dan berat semakin tinggi kadar protein S 100B akan semakin  
tidak baik keluaran pasien cedera kepala <b>ABSTRACT</b><b> Name Hendra SamantaStudy program  
Neurology Specialization Educational ProgrammedTitle Protein S 100B as Predictor Severity Traumatic  
Brain Injury Background Traumatic brain injury is still a serious community health problem can cause death  
physical and mental disability Protein S 100B release from destructive astrocyte from brain injury and  
detected in the peripheral blood so that protein S 100B can serve as predictor of severity traumatic brain  
injury This research aimed to find association between protein S 100B with traumatic brain injury severity  
Method This was a cross sectional study focusing to protein S 100B value from acute traumatic brain injury  
patients with onset 24 hours Eighty five patients were recruited from emergency room RSCM GCS value  
duration of post traumatic amnesia with TOAG tools duration loss of consciousness brain CT scan and  
concentration serum protein S 100B were record Results The mean concentration serum Protein S 100B  
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differentiation value of concentration protein S 100B from mild trumatic brain injury compare moderate and  
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