

Risk Factors Affecting Controlled Whether or not Epilepsy in Epileptic Patients aged less than 18 years

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Abstract

Background: Epilepsy is a common neurological disorder in children with a frequency of 3-6/1000 children. Early identification of the risk of developing uncontrolled epilepsy can achieve a better outcome.

Objectives: To determine risk factors that influence an epileptic whether it is controlled or not.

Methods: This is a case control study from February to September 2010 over 47 pediatric neurology's outpatients.

Results

The majority group is uncontrolled epilepsy(57.4%), generalized seizure(91.5%), first onset of seizure >1 year age(51.1%), normal motor development(59.6%), no/better changes in EEG's epileptiform wave(85.1%), no/better changes in EEG's background(83%). Based on bivariate analysis, there is a significant relationship between EEG's background changes with whether epilepsy becomes controlled or not.

Conclusions: The factors that influence whether epilepsy becomes controlled or not respectively are changes in EEG's background, changes in EEG's epileptiform wave, first onset of seizure and motor development.

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Biography

Dr. Istiana Sari, Sp.S merupakan seorang Dokter Spesialis Saraf dengan pengalaman lebih 10 tahun. Beliau menamatkan pendidikan Spesialis Saraf di Fakultas Kedokteran Universities' Indonesia pada tahun 2005. Beliau juga menyelesaikan program fellowship Neuropediatri di Divisi Neurologi Departemen Kesehatan Anak FK UI/RSCM Jakarta pada tahun 2010. Beliau juga merupakan anggota dari Ikatan Dokter Indonesia

(IDI). Pengalaman Kerja yang dr. Istiana miliki antara lain sebagai Dokter di Rumah Sakit Ananda Bekasi (2008 - Sekarang), Primaya Hospital Bekasi Utara (2008 - Sekarang), Rumah Sakit Ibu dan Anak Hermina Bekasi (2007 - Sekarang), Fakultas Kedokteran universities Muhammadiyah Jakarta (2006 - 2009), Rumah Sakit Islam Sukapura (2007), Rumah Sakit Islam Pondok Kopi (2005 - 2006), RSPAD Gatot Subroto (2005 - 2006).