

Perbandingan nilai latensi dan amplitudo visual evoked potential antar tingkat tajam penglihatan mata normal pada populasi dewasa di Rumah Sakit Umum Pusat Nasional Cipto Mangunkusumo = Comparison of visual evoked potential latency and amplitude values according to visual acuity among normal adult eyes in Cipto Mangunkusumo Hospital

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Abstrak

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Tujuan: Mengetahui perubahan nilai latensi dan amplitudo VEP pada berbagai tingkat tajam penglihatan subjektif. Metode: Dilakukan pengukuran nilai latensi dan amplitudo menggunakan pattern reversal visual evoked potential berdasarkan tajam penglihatan normal dan tajam penglihatan yang dilakukan induksi defocus sehingga menghasilkan visus 6/18, 6/30, dan 6/60 menggunakan checkerboard berukuran kecil dan besar. Hasil Terdapat pemanjangan nilai latensi dan penurunan nilai amplitudo pada kelompok pria dan wanita seiring dengan perburukan visus. Penggunaan checkerboard 18 min arc dan 48 min arc memberikan hasil yang paling mendekati nilai rujukan. Simpulan: Perbedaan nilai VEP berdasarkan jenis kelamin didapatkan pada nilai amplitudo, namun tidak pada nilai latensi.

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**ABSTRACT**

Purpose To study changes in VEP latency and amplitude value according to various subjective visual acuity levels. Methods Latency and amplitude values were measured with pattern reversal visual evoked potential. Measurement was performed on normal visual acuity and defocus induced visual acuity to the value of 6 18, 6 30, and 6 60, using small and large sized checkerboard stimuli. Results Prolonged latency and decreased amplitude were found on both male and female subject groups, which corresponded with decreasing visual acuity levels. Usage of 18 min arc and 48 min arc sized checkerboards gave results approximating to reference value. Conclusions Difference in VEP value according to subjects 39 gender was found in amplitude, but not on latency.