



Electroneurography prognostic value in infants with Erb's palsy

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Abstract : This study aimed to determine prognostic value of electroneurography in infants with Erb's palsy. Thirty infants with Erb's palsy from both genders participated in this study. They were classified into two groups of equal number according to age, **group I** includes first 3 months of life and **group II** includes second 3 months of life. In this study, evaluation of biceps brachii was done through observation of its contraction during the child activity; this had been performed by using Toronto Active Movement Scale and Percentage of Nerve Degeneration by using Electroneurography. The scores for biceps contraction and percentage of degeneration were recorded for the two groups. The results revealed that there was strong inverse relation between Percentage of Nerve Degeneration and Active Movement Scale and between Percentage of Nerve Degeneration and the age for both groups. The higher Percentage of Nerve Degeneration, the less Active Movement Scale is. The higher the age, the less the Percentage of Nerve Degeneration and the better prognosis are.

Key words: Brachial plexus injury, Erb's palsy, Active movement Scale, Electroneurography, Percentage of degeneration, Surgical interference.

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