

عنوان مقاله:

Neural system damage related feature extraction from SSEP data using fuzzy logic

محل انتشار:

هشتمین کنگره علوم اعصاب و پایه و بالینی (سال: 1398)

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خلاصه مقاله:

Precise monitoring of the nervous system during corrective scoliosis surgeries has been a perpetual major concern, with possible spinal nerve injury representing a major source of concern for surgical teams. Online monitoring of the nervous-physiological system using an intelligent system can diminish such concerns to a considerable degree. Diagnosis of various vertebral anomaly types and vertebral damage, which is arguably possible through somatosensory evoked potentials (SSEPs), constitutes the main topic of the present research. Designing such signal processing systems can prove beneficial for specialists, helping them provide accurate diagnoses and perform successful operations.

کلمات کلیدی:

The nervous system, somatosensory evoked potentials (SSEP), clustering

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