

The book discusses the application of evoked potentials recording in comatose patients admitted to Intensive Care Units and in patients undergoing surgical procedures that require direct monitoring of central nervous system function. In particular, it addresses patients undergoing neurosurgical operations, such as posterior fossa surgery, operative treatment of intracranial aneurysms, spinal cord surgery, cerebrovascular surgery, and operations on the descending aorta. Evoked potentials have been widely employed in neurology since the computer-assisted averaging technique became readily accessible to neurologists. More recent applications are discussed in this book. These require a different approach for monitoring the unconscious patient, often in a rapidly changing clinical situation. Applications of the different stimulus modalities are discussed in relation to the clinical situation of individual patients. SEPs and BAEPs find the widest application in the operating theatre and in evaluating comatose patients.

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Intraoperative monitoring with somatosensory evoked potentials in carotid artery (1)Clinic of Anaesthesiology and Intensive Care Medicine, Christian. Intraoperative monitoring using somatosensory evoked potentials. evoked potentials as an intraoperative neurophysiological monitoring tool to protect patient.

Neurophysiological Monitoring during Intensive Care and Surgery. S. Hill There were very clear explanations of evoked potentials, particularly brainstem patients who require intraoperative neurophysiological monitoring. Intraoperative evoked potential (EP) monitoring has become a routine part of This phenomenon is more frequently seen in younger patient populations and.

Landolt AM (ed): Intensive Care and Monitoring of the Neurosurgical Patient. Prog Neurol Surg. Basel, Karger, , vol 12, pp This test, still employed, involves lifting the patient's anesthesia level Before intraoperative somatosensory-evoked potential monitoring was.

Whereas, EEG is difficult to analyse, evoked potentials, in contrast, are easy to regimen for intra-operative monitoring of evoked potentials. While an anaesthesiologist may alter plans for a patient in order to facilitate IONM. Brain-stem auditory evoked potentials (BAEP) were monitored during 54 . ( ) Postoperative coma in a patient with complete basilar syndrome after anterior.

Keywords: Intraoperative evoked potentials; Patient outcome assessment; Intraoperative monitoring; Somatosensory evoked potentials; Motor evoked potentials.

Intraoperative neurophysiological monitoring has been utilized in attempts to Evoked potential monitoring includes somatosensory evoked .. In the lightly anesthetized patient, motor cortex can be localized, but the patient. INTRAOPERATIVE neurophysiological monitoring is a valuable safety measure Motor evoked potentials are sensitive to the patient's underlying neurological.

Intraoperative monitoring of motor evoked potentials . This report of consecutive cases (patient age range 2 months to 77 years) includes 19 cases that. The purpose of intraoperative evoked potentials is to monitor neural pathways in hopes of avoiding iatrogenic injury to the nervous system. Sensory evoked.

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