

Special Issue

The Monitoring: From Principal to Practice

Edited by Editorial Board of the NEUROLOGICAL SURGERY (No Shinkei Geka)

Planned by Mitsutoshi NAKADA

Electrophysiological Theory for Understanding Electrical Evoked Potential Monitoring

Tetsuya GOTO 382

Settings and Decisions of Monitoring

Tatsuya SASAKI, Toshiki ENDO 390

Motor Evoked Potential

Satoshi TANAKA 398

Somatosensory Evoked Potentials

Takeharu KUNIEDA 408

Intraoperative Visual Evoked Potential

Takakazu KAWAMATA 415

Auditory Brainstem Response: ABR

Yasushi MOTOYAMA 425

Intraoperative Cortico-Cortical Evoked Potential

Yukihiro YAMAO, Takayuki KIKUCHI, Riki MATSUMOTO 430

Electrocorticography Recorded from Subdural Electrodes and Stereo-Electroencephalography

Haruhiko KISHIMA, Hui Ming KHOO, Naoki TANI, Satoru OSHINO 440

Intraoperative Neurophysiological Monitoring in Pediatric Patients

Fumi MORI, Koichiro SUMI, Atsuo YOSHINO 451

External Ocular Movement (EOM) Monitoring

Fumihiko NISHIMURA, Hiroyuki NAKASE 460

Monitoring of the Floor of the 4th Ventricle for Brainstem Surgery

Yoshifumi HIGASHINO, Ken-ichiro KIKUTA 470

Intraoperative Functional Monitoring in Brain Tumor Surgery

Kazuya MOTOMURA, Ryuta SAITO 481

Intraoperative Neuromonitoring in Vestibular Schwannoma Surgery

Ken MATSUSHIMA, Michihiro KOHNO 490

Monitoring during Cerebrovascular Surgery

Kouichi MISAKI, Kenji YOSHIKI, Tomoya KAMIDE 500

Monitoring for Spine and Spinal Cord Surgery

Aya HASHIMOTO, Keiko NAKAHARA, Gohsuke HATTORI, Motohiro MORIOKA 507

Epilepsy Surgery Monitoring Intraoperative Electrocorticography

Taketoshi Maehara 517

Intraoperative Monitoring during Microvascular Decompression for Hemifacial Spasm

Masafumi FUKUDA 525

Assessment of Motor and Language Function during Awake Surgery

Yusuke KIMURA, Nobuhiro MIKUNI 533

Awake surgery for preservation of higher brain functions

Ryo HIRUTA, Miyako FUTAMURA, Masazumi FUJII 540