

## Literatur

- 
- 1 Russ W, Krumholz W, Hempelmann G. Visuell evozierte Potentiale (VEP) in Anästhesie und Intensivmedizin. *Anaesthesist* 1984;33:154-160.
  - 2 Arroyo S, Lesser RP, Poon WT, Webber WRS, Gordon B. Neuronal generators of visual evoked potentials in humans: Visual processing in the human cortex. *Epilepsia* 1997;38(5):600-610.
  - 3 Grundy BL. Evoked potentials in the operating room, *Mt Sinai J Med* 1984;51(5):585-591.
  - 4 Odom JV, Bach M, Barber C, Brigell M, Marmor MF, Tormene AP, Holder GE, Vaegan. Visual evoked potentials standard. *Doc Ophthalmol* 2004;108:115-123.
  - 5 Marmor MF, Holder GE, Seeliger MW, Yamamoto S. Standard for clinical electroretinography (2004 update). *Doc Ophthalmol* 2004;108:107-114.
  - 6 American Encephalographic Society: Guideline thirteen: Guidelines for standard electrode position nomenclature. *J Clin Neurophysiol* 1994;11:111-113.
  - 7 Brigell M, Bach M, Barber C, Kawasaki K, Kooijman A. Guidelines for calibration of stimulus and recording parameters used in clinical electrophysiology of vision. *Doc Ophthalmol* 1998;95:1-14.
  - 8 Chiappa KH, Ropper AH. Evoked potentials in clinical medicine: Part 1. *N Engl J Med* 1982;306(19):1140-1150.
  - 9 Hoffmann MB, Seufert PS, Bach M. Simulated nystagmus suppresses pattern-reversal but not pattern-onset visual evoked potentials. *Clin Neurophysiol* 2004;115:2659-2665.
  - 10 Saunders KJ, Brown G, McCulloch DL. Pattern-onset visual evoked potentials: more useful than reversal for patients with nystagmus. *Doc Ophthalmol* 1998;94(3):265-274.
  - 11 Sloan TB. Evoked potential monitoring. *International anesthesiology clinics* 1996;34(3):109-136.
  - 12 Kumar A, Bhattacharya A, Makhyija N. Evoked potential monitoring in anesthesia and analgesia. *Anaesthesia* 2000;55(3):225-241.
  - 13 Meyer PR, Cotter HB, Gireesan GT. Operative complications resulting from thoracic and lumbar spine internal fixation. *Journal of Clinical Orthopedics* 1988;55:125.
  - 14 Nuwer MR, Dawson EG, Carlson LG, Kanim LEA, Sherman JE. Somatosensory evoked potential spinal cord monitoring reduces neurologic deficits after scoliosis surgery: results of a large multicenter survey. *Electroencephalogr Clin Neurophysiol* 1995;96:6-11.
  - 15 Nuwer MR. Spinal cord monitoring. *Muscle Nerve* 1999;22:1620-1630.
  - 16 Wiedemayer H, Fauser B, Sandacioglu IE, Schäfer H, Stolke D. The impact of neurophysiological intraoperative monitoring on surgical decisions: a critical analysis of 423 cases. *J Neurosurg* 2002;96:255-262.
  - 17 Pratt H, Martin WH, Bleich N, Zaaron, Schacham SE. A high-intensity, goggle-mounted flash-stimulator for short-latency visual evoked potentials. *Electroencephalogr Clin Neurophysiol* 1994;92:469-472.
  - 18 Harding GFA, Bland JDP, Smith VH. Visual evoked potential monitoring of optic nerve function during surgery. *J Neurol Neurosurg Psychiatry* 1990;53:890-895.
  - 19 Sloan T. Evoked potentials. In: Albin MA, ed. *Textbook of neuroanesthesia with neurosurgical and neuroscience perspectives*. New York: McGraw-Hill, 1997;221-76.

- 
- 20 Thurner F, Schramm J, Pasch Th. Wirkung von Fentanyl und Enfluran auf sensorisch evozierte Potentiale des Menschen in Flunitrazepam/N<sub>2</sub>O-Basisnarkose. *Anaesthesist* 1987;36:548-554.
- 21 Russ W, Lüben V. Der Einfluß von Etomidat in hypnotischer Dosis auf das visuelle evozierte Potential (VEP). Vortrag auf dem Deutschen Anästhesiecongrès 1982.
- 22 Banoub M, Tetzlaff JE, Schubert A. Pharmacologic and physiologic influences affecting sensory evoked potentials: implications for perioperative monitoring. *Anesthesiology* 2003;99(3):716-37.
- 23 Whittaker SG, Siegfried JB. Origin of wavelets in the visual evoked potential. *Electroencephalogr Clin Neurophysiol* 1983;55:91-101.
- 24 Sebel PS, Ingram DA, Flynn PJ, Rutherford CF, Rogers H. Evoked potentials during isoflurane anaesthesia. *Br J Anaesth* 1986;58:580-585.
- 25 Chi OZ, Field C. Effects of enflurane on visual evoked potentials in humans. *Br J Anaesth* 1990;64:163-166.
- 26 Mitzkat K, Zimmermann U, Hempel V, Rothe KF. Der Einfluß des Anästhesieverfahrens auf somatosensorisch evozierte Potentiale. Vortrag auf dem Deutschen Anästhesiecongrès 1982.
- 27 Nau HE, Hess W, Pohlen G, Marggraf G, Rimpel J. Evozierte Potenziale bei intrakraniellen Eingriffen: Gegenwärtiger Stand und eigene Erfahrungen. *Anaesthesist* 1987;36:116-125.
- 28 Russ W, Kling D, Loesevitz A, Hempelmann G. Effect of hypothermia on visual evoked potentials in humans. *Anesthesiology* 1984;61:207-210.
- 29 MacKenzie MA, Vingerhoets DM, Colon EJ, Pinckers AJ, Notermans SL. Effect of steady hypothermia and normothermia on multimodality evoked potentials in human poikilothermia. *Arch Neurol* 1995;52:52-58.
- 30 Markand ON, Warren CH, Moorthy SS, Stoelting RK, King RD. Monitoring of multimodality evoked potentials during open heart surgery under hypothermia. *Electroencephalogr Clin Neurophysiol* 1984;59:432-440.
- 31 Cedzich C, Schramm J, Fahlbusch R. Are flash-evoked visual potentials useful for intraoperative monitoring of visual pathway function? *Neurosurgery* 1987;21:709-715.
- 32 Cedzich C, Schramm J, Mengedoht CF, Fahlbusch R. Factors that limit the use of flash visual evoked potentials for surgical monitoring. *Electroencephalogr Clin Neurophysiol* 1988;71:142-145.
- 33 Lorenz M, Renella RR. Intraoperatives Monitoring: Visuell evozierte Potentiale bei Eingriffen in der Sellaregion. *Zentralbl Neurochir* 1989;50:12-15.
- 34 Herzon GD, Zealair DL. Intraoperative monitoring of the visual evoked potential during endoscopic sinus surgery. *Otolaryngol Head Neck Surg* 1994;111(5):575-579.
- 35 Hussain SSM, Laljee HCK, Horrocks JM, Tec H, Grace ARH. Monitoring of intra-operative visual evoked potentials during functional endoscopic sinus surgery (FESS) under general anaesthesia. *J Laryngol Otol* 1996;110:31-36.
- 36 Wiedemayer H, Fauser B, Armbruster W, Gasser T, Stolke D. Visual evoked potentials for intraoperative neurophysiologic monitoring using total intravenous anesthesia. *J Neurosurg Anesthesiol* 2003;15(1):19-24.
- 37 Russ W, Lüben V, Hempelmann G. Der Einfluß der Neuroleptanalgesie auf das visuell evozierte Potential (VEP) des Menschen. *Anaesthesist* 1982;31:575-578.
- 38 Chi OZ, Subramoni J, Jasaitis D. Visual evoked potentials during etomidate administration in humans. *Can J Anaesth* 1990;37,4:452-456.

- 
- 39 Chi OZ, McCoy CL, Field C. Effects of fentanyl anesthesia on visual evoked potentials in humans. *Anesthesiology* 1987;67(5):827-830.
- 40 Chi OZ, Ryterband S, Field C. Visual evoked potentials during thiopentone-fentanyl-nitrous oxide anaesthesia in humans. *Can J Anaesth* 1989;36(6):637-640.
- 41 Akabane A, Saito K, Suzuki Y, Shibuya M, Sugita K. Monitoring visual evoked potentials during retraction of the canine optic nerve: protective effect of unroofing the optic canal. *J Neurosurg* 1995;82:284-287.
- 42 Aunon JI, Weinrich WE, Nyholm R. Effects of hypothermia on the visual-evoked brain potential in dogs. *Am J Vet Res* 1977;38:383.
- 43 Boakes RJ, Kerkut GA, Munday KA. Effect of hypothermia on cortical evoked potentials. *Life Sci* 1967;6:457.
- 44 Zaor M, Pratt H, Feinsod M, Schacham SE. Real time monitoring of visual evoked potentials. *Isr J Med Sci* 1993;55:17-22.
- 45 Wiedemayer H, Fauser B, Sandalcioglu IE, Armbruster W, Stolke D. Observations on intraoperative monitoring of visual pathways using steady-state visual evoked potentials. *Eur J Anaesthesiol* 2004;21:429-433.
- 46 Walter WG. Evoked response general. In: van Leeuwen WS, Lopes da Silva FH, Kamp A (eds.). *Handbook of Electroencephalogr Clin Neurophysiol: Evoked responses*. Amsterdam: Elsevier Scientific Publishing Co., 1975;vol 8a:20-32.
- 47 Peachey NS, Demarco PJ, Ubilluz R, Yee W. Short-term changes in the response characteristics of the human visual evoked potential. *Vision Res* 1994;34(21):2823-2831.
- 48 Xin D, Seiple W, Holopigian K, Kupersmith MJ. Visual evoked potentials following abrupt contrast changes. *Vision Res* 1994;34(21):2813-2821.
- 49 Ho WA, Berkley MA. Evoked potential estimates of the time course of adaptation and recovery to counterphase gratings. *Vision Res* 1988;28(12):1287-1296.
- 50 Heinrich TS, Bach M. Contrast adaptation in human retina and cortex. *Invest Ophthalmol Vis Sci* 2001;42(11):2721-2727.
- 51 Baccus SA, Meister M. Fast and slow contrast adaptation in retinal circuitry. *Neuron* 2002;36:909-919.
- 52 Solomon SG, Peirce JW, Dhruv NT, Lennie P. Profound contrast adaptation early in the visual pathway. *Neuron* 2004;42(1):155-162.
- 53 Baccus SA, Meister M. Retina versus cortex. contrast adaptation in parallel visual pathways. *Neuron* 2004;42(1):5-7.
- 54 Greenlee MW, Heitger. The functional role of contrast adaptation. *Vision Res* 1988;28(7):791-797.
- 55 Wu S, Burns SA, Elsner AE. Effects of flicker adaptation and temporal gain control on the flicker ERG. *Vision Res* 1995;35(21):2943-2953.
- 56 Chander D, Chichilnisky EJ. Adaptation to temporal contrast in primate and salamander retina. *J Neurosci* 2001;21(24):9904-9916.
- 57 Anstis S. Adaptation to peripheral flicker. *Vision Res* 1996;36(21):3479-3485.
- 58 Troxler IPV. Über das Verschwinden gegebener Gegenstände innerhalb unseres Gesichtskreises. In: Himly J, Schmidt JA (Herausgeber). *Ophthalmologische Bibliothek* 1804;2:51-53.
- 59 Shady S, MacLeod DIA, Fisher HS. Adaptation from invisible flicker. *Proc Natl Acad Sci U S A* 2004;101(14):5170-5173.

- 
- 60 Heine M, Meigen T. The dependency of simultaneously recorded retinal and cortical potentials on temporal frequency. Doc Ophthalmol 2004;108:1-8.
- 61 Wilkins AJ, Bonanni P, Porciatti V, Guerrini R. Physiology of human photosensitivity. Epilepsia 2004;45(Suppl. 1):7-13.
- 62 Harding G, Wilkins AJ, Erba G, Barkley GL, Fisher RS. Photic- and pattern-induced seizures: Expert consensus of the epilepsy foundation of America working group. Epilepsia 2005;46(9):1423-1425.
- 63 Meigen T, Bach M. On the statistical significance of electrophysiological steady-state responses. Doc Ophthalmol 2000;98:207-232.
- 64 Barlow HB, MacLeod DIA, van Meeteren A. Adaptation to gratings: no compensatory advantages found. Vision Res 1976;16:1043-1045.
- 65 Di Russo F, Spinelli D. Effects of sustained, voluntary attention on amplitude and latency of steady-state visual evoked potential: a cost and benefits analysis. Clin Neurophysiol 2002;113(11):1771-1777.
- 66 Hamaguchi K, Nakagawa I, Hidaka S, Uesugi F, Kubo T, Kato T. Effect of propofol on visual evoked potentials during neurosurgery. Masui 2005;54(9):998-1002.
- 67 Herrmann CS. Human EEG responses to 1-100 Hz flicker: resonance phenomena in visual cortex and their potential correlation to cognitive phenomena. Exp Brain Res 2001;137:346-353.
- 68 Van der Tweel LH, Estévez O. Subjective and objective evaluation of flicker. Ophthalmologica 1974;169:70-81.
- 69 Persönliche Korrespondenz mit Dr. med. Mario Cabraja, verantwortlicher Arzt für das intraoperative Monitoring in der Klinik für Neurochirurgie, Charité Universitätsmedizin Berlin, Campus Virchow Klinikum, 2005.