

6 Literaturverzeichnis

1. Domino KB, Posner KL, Caplan RA, Cheney FW: Awareness during anesthesia: a closed claims analysis. *Anesthesiology* 1999; 90: 1053-61
2. Iselin-Chaves I, Lopez U, Habre W: Intraoperative awareness in children: myth or reality? *Curr.Opin.Anaesthesiol.* 2006; 19: 309-14
3. Iselin-Chaves IA, Willems SJ, Jermann FC, Forster A, Adam SR, Van der LM: Investigation of implicit memory during isoflurane anesthesia for elective surgery using the process dissociation procedure. *Anesthesiology* 2005; 103: 925-33
4. Macleod AD, Maycock E: Awareness during anaesthesia and post traumatic stress disorder. *Anaesth.Intensive Care* 1992; 20: 378-82
5. Moerman N, Bonke B, Oosting J: Awareness and recall during general anesthesia. Facts and feelings. *Anesthesiology* 1993; 79: 454-64
6. Wilhelm W, Kreuer S: Das interpretierte EEG als Überwachungsverfahren in der Anästhesiologie. *Anästhesiol Intensivmed* 2003
7. Statistisches Bundesamt, Wiesbaden. Bevölkerung Deutschlands bis 2050 10. koordinierte Bevölkerungsvorausberechnung. www.destatis.de/presse/deutsch/pk/2003/Bevoelkerung_2050.pdf
8. Lee JA: History of anesthesia, Lee's Synopsis of Anesthesia, 11 edition. 1996, pp 875-915
9. Doze VA, Shafer A, White PF: Propofol-nitrous oxide versus thiopental-isoflurane-nitrous oxide for general anesthesia. *Anesthesiology* 1988; 69: 63-71
10. Lim BL, Low TC: Total intravenous anaesthesia versus inhalational anaesthesia for dental day surgery. *Anaesth.Intensive Care* 1992; 20: 475-8
11. Suttner S, Boldt J, Schmidt C, Piper S, Kumle B: Cost analysis of target-controlled infusion-based anesthesia compared with standard anesthesia regimens. *Anesth.Analg.* 1999; 88: 77-82
12. Borgeat A, Wilder-Smith OH, Saiah M, Rifat K: Subhypnotic doses of propofol possess direct antiemetic properties. *Anesth.Analg.* 1992; 74: 539-41
13. Ecoffey C, Viviani X, Billard V, Cazalaa JB, Molliex S, Servin F, Laxenaire MC: [Target controlled infusion (TCI) anesthesia using propofol. Assessment of training and practice in the operating room]. *Ann.Fr.Anesth.Reanim.* 2001; 20: 228-45
14. Passot S, Servin F, Allary R, Pascal J, Prades JM, Auboyer C, Molliex S: Target-controlled versus manually-controlled infusion of propofol for direct laryngoscopy and bronchoscopy. *Anesth.Analg.* 2002; 94: 1212-6, table

15. Passot S, Servin F, Pascal J, Charret F, Auboyer C, Molliex S: A comparison of target- and manually controlled infusion propofol and etomidate/desflurane anesthesia in elderly patients undergoing hip fracture surgery. *Anesth.Analg.* 2005; 100: 1338-42, table
16. Russell D, Wilkes MP, Hunter SC, Glen JB, Hutton P, Kenny GN: Manual compared with target-controlled infusion of propofol. *Br.J.Anaesth.* 1995; 75: 562-6
17. Servin FS: TCI compared with manually controlled infusion of propofol: a multicentre study. *Anaesthesia* 1998; 53 Suppl 1: 82-6
18. Lehmann A, Thaler E, Boldt J: [Is measuring the depth of anesthesia sensible? An overview on the currently available monitoring systems]. *Anesthesiol.Intensivmed.Notfallmed.Schmerzther.* 2001; 36: 683-92
19. Kruger-Thiemer E: Continuous intravenous infusion and multicompartiment accumulation. *Eur.J.Pharmacol.* 1968; 4: 317-24
20. Schwilden H: A general method for calculating the dosage scheme in linear pharmacokinetics. *Eur.J.Clin.Pharmacol.* 1981; 20: 379-86
21. Doenicke AW, Roizen MF, Rau J, Kellermann W, Babl J: Reducing pain during propofol injection: the role of the solvent. *Anesth.Analg.* 1996; 82: 472-4
22. Doenicke AW, Roizen MF, Rau J, O'Connor M, Kugler J, Klotz U, Babl J: Pharmacokinetics and pharmacodynamics of propofol in a new solvent. *Anesth.Analg.* 1997; 85: 1399-403
23. Schnider TW, Minto CF, Shafer SL, Gambus PL, Andresen C, Goodale DB, Youngs EJ: The influence of age on propofol pharmacodynamics. *Anesthesiology* 1999; 90: 1502-16
24. Egan TD, Shafer SL: Target-controlled infusions for intravenous anesthetics: surfing USA not! *Anesthesiology* 2003; 99: 1039-41
25. Hu C, Horstman DJ, Shafer SL: Variability of target-controlled infusion is less than the variability after bolus injection. *Anesthesiology* 2005; 102: 639-45
26. Arndt GA, Reiss WG, Bathke KA, Springman SR, Kenny G: Computer-assisted continuous infusion for the delivery of target-controlled infusions of propofol during outpatient surgery. *Pharmacotherapy* 1995; 15: 512-6
27. Tackley RM, Lewis GT, Prys-Roberts C, Boaden RW, Dixon J, Harvey JT: Computer controlled infusion of propofol. *Br.J.Anaesth.* 1989; 62: 46-53
28. Schüttler J, Kloos S, Schwilden H, Stoeckel H: Total intravenous anaesthesia with propofol and alfentanil by computer-assisted infusion. *Anaesthesia* 1988; 43 Suppl: 2-7
29. Marsh B, White M, Morton N, Kenny GN: Pharmacokinetic model driven infusion of propofol in children. *Br.J.Anaesth.* 1991; 67: 41-8
30. Marsh BJ, Morton NS, White M, Kenny GN: A computer controlled infusion of propofol for induction and maintenance of anaesthesia in children. *Can.J.Anaesth.* 1990; 37: S97

31. Minto CF, Schnider TW, Shafer SL: Pharmacokinetics and pharmacodynamics of remifentanyl. II. Model application. *Anesthesiology* 1997; 86: 24-33
32. Minto CF, Schnider TW, Egan TD, Youngs E, Lemmens HJ, Gambus PL, Billard V, Hoke JF, Moore KH, Hermann DJ, Muir KT, Mandema JW, Shafer SL: Influence of age and gender on the pharmacokinetics and pharmacodynamics of remifentanyl. I. Model development. *Anesthesiology* 1997; 86: 10-23
33. Barvais L, Rausin I, Glen JB, Hunter SC, D'Hulster D, Cantraine F, d'Hollander A: Administration of propofol by target-controlled infusion in patients undergoing coronary artery surgery. *J.Cardiothorac.Vasc.Anesth.* 1996; 10: 877-83
34. Coetzee JF, Glen JB, Wium CA, Boshoff L: Pharmacokinetic model selection for target controlled infusions of propofol. Assessment of three parameter sets. *Anesthesiology* 1995; 82: 1328-45
35. Davidson JA, Macleod AD, Howie JC, White M, Kenny GN: Effective concentration 50 for propofol with and without 67% nitrous oxide. *Acta Anaesthesiol.Scand.* 1993; 37: 458-64
36. Swinhoe CF, Peacock JE, Glen JB, Reilly CS: Evaluation of the predictive performance of a 'Diprifusor' TCI system. *Anaesthesia* 1998; 53 Suppl 1: 61-7
37. Schnider TW, Minto CF, Gambus PL, Andresen C, Goodale DB, Shafer SL, Youngs EJ: The influence of method of administration and covariates on the pharmacokinetics of propofol in adult volunteers. *Anesthesiology* 1998; 88: 1170-82
38. Guedel AE: *Inhalation anesthesia: A fundamental guide.* New York, Macmilan, 1937, pp 61-2
39. Evans JM: Clinical signs and autonomic responses, Consciousness, awareness and pain in general anaesthesia. Edited by Rosen M, Lunn IN. London, Butterworth, 1987, pp 18-34
40. Russell IF: Midazolam-alfentanil: an anaesthetic? An investigation using the isolated forearm technique. *Br.J.Anaesth.* 1993; 70: 42-6
41. Schwender D, Faber-Zullig E, Klasing S, Poppel E, Peter K: Motor signs of wakefulness during general anaesthesia with propofol, isoflurane and flunitrazepam/fentanyl and midlatency auditory evoked potentials. *Anaesthesia* 1994; 49: 476-84
42. Tunstall ME: Awareness, caesarean section and the isolated forearm technique. *Anaesthesia* 1990; 45: 686
43. Rampil IJ: A primer for EEG signal processing in anesthesia. *Anesthesiology* 1998; 89: 980-1002
44. Doi M, Gajraj RJ, Mantzaridis H, Kenny GN: Relationship between calculated blood concentration of propofol and electrophysiological variables during emergence from anaesthesia: comparison of bispectral index, spectral edge frequency, median frequency and auditory evoked potential index. *Br.J.Anaesth.* 1997; 78: 180-4

45. Gan TJ, Glass PS, Windsor A, Payne F, Rosow C, Sebel P, Manberg P: Bispectral index monitoring allows faster emergence and improved recovery from propofol, alfentanil, and nitrous oxide anesthesia. BIS Utility Study Group. *Anesthesiology* 1997; 87: 808-15
46. Leslie K, Sessler DI, Schroeder M, Walters K: Propofol blood concentration and the Bispectral Index predict suppression of learning during propofol/epidural anesthesia in volunteers. *Anesth.Analg.* 1995; 81: 1269-74
47. Kreuer S, Biedler A, Larsen R, Altmann S, Wilhelm W: Narcotrend monitoring allows faster emergence and a reduction of drug consumption in propofol-remifentanyl anesthesia. *Anesthesiology* 2003; 99: 34-41
48. Luginbuhl M, Wuthrich S, Petersen-Felix S, Zbinden AM, Schnider TW: Different benefit of bispectral index (BIS) in desflurane and propofol anesthesia. *Acta Anaesthesiol.Scand.* 2003; 47: 165-73
49. Struys M, Versichelen L, Byttebier G, Mortier E, Moerman A, Rolly G: Clinical usefulness of the bispectral index for titrating propofol target effect-site concentration. *Anaesthesia* 1998; 53: 4-12
50. Yli-Hankala A, Vakkuri A, Annila P, Korttila K: EEG bispectral index monitoring in sevoflurane or propofol anaesthesia: analysis of direct costs and immediate recovery. *Acta Anaesthesiol.Scand.* 1999; 43: 545-9
51. Aspect Medical Systems, A 2000-TM Bispectral Index TM (BIS TM) - Monitoring System Operating Manual. www.aspectmedical.com
52. Bischoff P and Schmidt GN. Akustisch evozierte Potentiale: Grundlagen, Indexberechnungen und klinische Erfahrungen. *Anästhesiologie & Intensivmedizin* 44(27), 30. 2003
53. Dauderer M, Schwender D: [Depth of anesthesia, awareness and EEG]. *Anaesthesist* 2001; 50: 231-41
54. Loughnan BL, Sebel PS, Thomas D, Rutherford CF, Rogers H: Evoked potentials following diazepam or fentanyl. *Anaesthesia* 1987; 42: 195-8
55. Schwender D, Rimkus T, Haessler R, Klasing S, Poppel E, Peter K: Effects of increasing doses of alfentanil, fentanyl and morphine on mid-latency auditory evoked potentials. *Br.J.Anaesth.* 1993; 71: 622-8
56. Schwender D, Klasing S, Conzen P, Finsterer U, Poppel E, Peter K: Midlatency auditory evoked potentials during anaesthesia with increasing endexpiratory concentrations of desflurane. *Acta Anaesthesiol.Scand.* 1996; 40: 171-6
57. Thornton C, Konieczko KM, Knight AB, Kaul B, Jones JG, Dore CJ, White DC: Effect of propofol on the auditory evoked response and oesophageal contractility. *Br.J.Anaesth.* 1989; 63: 411-7
58. Mantzaridis H, Kenny GN: Auditory evoked potential index: a quantitative measure of changes in auditory evoked potentials during general anaesthesia. *Anaesthesia* 1997; 52: 1030-6

59. Erwin R, Buchwald JS: Midlatency auditory evoked responses: differential effects of sleep in the human. *Electroencephalogr.Clin.Neurophysiol.* 1986; 65: 383-92
60. Gajraj RJ, Doi M, Mantzaridis H, Kenny GN: Analysis of the EEG bispectrum, auditory evoked potentials and the EEG power spectrum during repeated transitions from consciousness to unconsciousness. *Br.J.Anaesth.* 1998; 80: 46-52
61. Alpiger S, Helbo-Hansen HS, Jensen EW: Effect of sevoflurane on the mid-latency auditory evoked potentials measured by a new fast extracting monitor. *Acta Anaesthesiol.Scand.* 2002; 46: 252-6
62. Hadzidiakos D, Petersen S, Baars J, Herold K, Rehberg B: Comparison of a new composite index based on midlatency auditory evoked potentials and electroencephalographic parameters with bispectral index (BIS) during moderate propofol sedation. *Eur.J.Anaesthesiol.* 2006; 23: 931-6
63. Kreuer S, Bruhn J, Larsen R, Buchinger H, Wilhelm W: A-line, bispectral index, and estimated effect-site concentrations: a prediction of clinical end-points of anesthesia. *Anesth.Analg.* 2006; 102: 1141-6
64. Vereecke HE, Vasquez PM, Jensen EW, Thas O, Vandenbroecke R, Mortier EP, Struys MM: New composite index based on midlatency auditory evoked potential and electroencephalographic parameters to optimize correlation with propofol effect site concentration: comparison with bispectral index and solitary used fast extracting auditory evoked potential index. *Anesthesiology* 2005; 103: 500-7
65. Jensen EW, Nygaard M, Henneberg SW: On-line analysis of middle latency auditory evoked potentials (MLAEP) for monitoring depth of anaesthesia in laboratory rats. *Med.Eng Phys.* 1998; 20: 722-8
66. Danmeter A/S. AEP Monitor/2 - Directions for Use for Version 1.6. Odense: Danmeter A/S (www.danmeter.com)
67. Hadzidiakos D, Nowak A, Laudahn N, Baars J, Herold K, Rehberg B: Subjective assessment of depth of anaesthesia by experienced and inexperienced anaesthetists. *Eur.J.Anaesthesiol.* 2006; 23: 292-9
68. Reich DL, Hossain S, Krol M, Baez B, Patel P, Bernstein A, Bodian CA: Predictors of hypotension after induction of general anesthesia. *Anesth.Analg.* 2005; 101: 622-8, table
69. Shafer SL, Varvel JR, Aziz N, Scott JC: Pharmacokinetics of fentanyl administered by computer-controlled infusion pump. *Anesthesiology* 1990; 73: 1091-102
70. Kox WJ.: *Check-up Anästhesiologie.* Heidelberg, Springer-Verlag, 2005
71. American Society of Anesthesiologists. ASA Physical Status Classification System. <http://www.asahq.org/clinical/physicalstatus.htm> (ASA Relative Value Guide). 2006
72. *Ausstattung des anästhesiologischen Arbeitsplatzes, Entschließungen, Empfehlungen, Vereinbarungen, 4. Aufl edition.* Ebelsbach, Deutsche Gesellschaft für Anästhesiologie und Intensivmedizin e.V., Berufsverband Deutscher Anästhesisten e.V., 2006

73. Gan TJ, Glass PS, Sigl J, Sebel P, Payne F, Rosow C, Embree P: Women emerge from general anesthesia with propofol/alfentanil/nitrous oxide faster than men. *Anesthesiology* 1999; 90: 1283-7
74. Ickx B, Cockshott ID, Barvais L, Byttebier G, De PL, Vandesteene A, D'Hollander AA: Propofol infusion for induction and maintenance of anaesthesia in patients with end-stage renal disease. *Br.J.Anaesth.* 1998; 81: 854-60
75. Kazama T, Ikeda K, Morita K: Reduction by fentanyl of the Cp50 values of propofol and hemodynamic responses to various noxious stimuli. *Anesthesiology* 1997; 87: 213-27
76. Kazama T, Ikeda K, Morita K, Ikeda T, Kikura M, Sato S: Relation between initial blood distribution volume and propofol induction dose requirement. *Anesthesiology* 2001; 94: 205-10
77. Kazama T, Kurita T, Morita K, Nakata J, Sato S: Influence of hemorrhage on propofol pseudo-steady state concentration. *Anesthesiology* 2002; 97: 1156-61
78. Kirkpatrick T, Cockshott ID, Douglas EJ, Nimmo WS: Pharmacokinetics of propofol (diprivan) in elderly patients. *Br.J.Anaesth.* 1988; 60: 146-50
79. Schywalsky M, Ihmsen H, Knoll R, Schwilden H: Binding of propofol to human serum albumin. *Arzneimittelforschung.* 2005; 55: 303-6
80. Servin F, Desmots JM, Farinotti R, Haberer JP, Winckler C: Pharmacokinetics of propofol administered by continuous infusion in patients with cirrhosis. Preliminary results. *Anaesthesia* 1988; 43 Suppl: 23-4
81. Servin F, Cockshott ID, Farinotti R, Haberer JP, Winckler C, Desmots JM: Pharmacokinetics of propofol infusions in patients with cirrhosis. *Br.J.Anaesth.* 1990; 65: 177-83
82. Shafer SL, Varvel JR: Pharmacokinetics, pharmacodynamics, and rational opioid selection. *Anesthesiology* 1991; 74: 53-63
83. Veroli P, O'Kelly B, Bertrand F, Trouvin JH, Farinotti R, Ecoffey C: Extrahepatic metabolism of propofol in man during the anhepatic phase of orthotopic liver transplantation. *Br.J.Anaesth.* 1992; 68: 183-6
84. Vuyk J, Mertens MJ, Olofsen E, Burm AG, Bovill JG: Propofol anesthesia and rational opioid selection: determination of optimal EC50-EC95 propofol-opioid concentrations that assure adequate anesthesia and a rapid return of consciousness. *Anesthesiology* 1997; 87: 1549-62
85. Lehmann A, Boldt J, Rompert R, Thaler E, Kumle B, Weisse U: Target-controlled infusion or manually controlled infusion of propofol in high-risk patients with severely reduced left ventricular function. *J.Cardiothorac.Vasc.Anesth.* 2001; 15: 445-50
86. Struys M, Versichelen L, Rolly G: Influence of pre-anaesthetic medication on target propofol concentration using a 'Diprifusor' TCI system during ambulatory surgery. *Anaesthesia* 1998; 53 Suppl 1: 68-71

87. Smith WD, Dutton RC, Smith NT: Measuring the performance of anesthetic depth indicators. *Anesthesiology* 1996; 84: 38-51
88. Breslin DS, Mirakhur RK, Reid JE, Kyle A: Manual versus target-controlled infusions of propofol. *Anaesthesia* 2004; 59: 1059-63
89. Fechner J, Albrecht S, Ihmsen H, Knoll R, Schwilden H, Schuttler J: [Predictability and precision of "target-controlled infusion" (TCI) of propofol with the "Disoprifusor TCI" system]. *Anaesthesist* 1998; 47: 663-8
90. Lehmann A, Boldt J, Thaler E, Piper S, Weisse U: Bispectral index in patients with target-controlled or manually-controlled infusion of propofol. *Anesth.Analg.* 2002; 95: 639-44, table
91. Struys M, Versichelen L, Thas O, Herregods L, Rolly G: Comparison of computer-controlled administration of propofol with two manually controlled infusion techniques. *Anaesthesia* 1997; 52: 41-50
92. Hunt-Smith J, Donaghy A, Leslie K, Kluger M, Gunn K, Warwick N: Safety and efficacy of target controlled infusion (Diprifusor) vs manually controlled infusion of propofol for anaesthesia. *Anaesth.Intensive Care* 1999; 27: 260-4
93. Pilge S, Zanner R, Schneider G, Blum J, Kreuzer M, Kochs EF: Time Delay of Index Calculation. *Anesthesiology* 2006; 104: 488-94
94. Seifert HA, Blouin RT, Conard PF, Gross JB: Sedative doses of propofol increase beta activity of the processed electroencephalogram. *Anesth.Analg.* 1993; 76: 976-8
95. Hazeaux C, Tisserant D, Vespignani H, Hummer-Sigiel M, Kwan-Ning V, Laxenaire MC: [Electroencephalographic impact of propofol anesthesia]. *Ann.Fr.Anesth.Reanim.* 1987; 6: 261-6
96. Smith I, White PF, Nathanson M, Gouldson R: Propofol. An update on its clinical use. *Anesthesiology* 1994; 81: 1005-43
97. Glass PS, Bloom M, Kearse L, Rosow C, Sebel P, Manberg P: Bispectral analysis measures sedation and memory effects of propofol, midazolam, isoflurane, and alfentanil in healthy volunteers. *Anesthesiology* 1997; 86: 836-47
98. Bailey PL., Egan TD., Stanley TH.: *Intravenous Opioid Anesthetics, Anesthesia.* Edited by Ronald D.Miller CL. Philadelphia, 2000, pp 273-376
99. Freye E.: *Opioide in der Medizin. Wirkung und Einsatzgebiete zentraler Analgetika.* Berlin, Heidelberg, Springer- Verlag, 1999,
100. Strachan AN, Edwards ND: Randomized placebo-controlled trial to assess the effect of remifentanil and propofol on bispectral index and sedation. *Br.J.Anaesth.* 2000; 84: 489-90
101. Lysakowski C, Dumont L, Pellegrini M, Clergue F, Tassonyi E: Effects of fentanyl, alfentanil, remifentanil and sufentanil on loss of consciousness and bispectral index during propofol induction of anaesthesia. *Br.J.Anaesth.* 2001; 86: 523-7

102. Wuesten R, Van AH, Glass PS, Buerkle H: Assessment of depth of anesthesia and postoperative respiratory recovery after remifentanil- versus alfentanil-based total intravenous anesthesia in patients undergoing ear-nose-throat surgery. *Anesthesiology* 2001; 94: 211-7
103. Bouillon T, Bruhn J, Radu-Radulescu L, Bertaccini E, Park S, Shafer S: Non-steady state analysis of the pharmacokinetic interaction between propofol and remifentanil. *Anesthesiology* 2002; 97: 1350-62
104. Cockshott ID, Briggs LP, Douglas EJ, White M: Pharmacokinetics of propofol in female patients. Studies using single bolus injections. *Br.J.Anaesth.* 1987; 59: 1103-10
105. Dixon J, Roberts FL, Tackley RM, Lewis GT, Connell H, Prys-Roberts C: Study of the possible interaction between fentanyl and propofol using a computer-controlled infusion of propofol. *Br.J.Anaesth.* 1990; 64: 142-7
106. Gill SS, Wright EM, Reilly CS: Pharmacokinetic interaction of propofol and fentanyl: single bolus injection study. *Br.J.Anaesth.* 1990; 65: 760-5
107. Hoymork SC, Raeder J, Grimsmo B, Steen PA: Bispectral index, predicted and measured drug levels of target-controlled infusions of remifentanil and propofol during laparoscopic cholecystectomy and emergence. *Acta Anaesthesiol.Scand.* 2000; 44: 1138-44
108. Hoymork SC, Raeder J, Grimsmo B, Steen PA: Bispectral index, serum drug concentrations and emergence associated with individually adjusted target-controlled infusions of remifentanil and propofol for laparoscopic surgery. *Br.J.Anaesth.* 2003; 91: 773-80
109. Pavlin DJ, Coda B, Shen DD, Tschanz J, Nguyen Q, Schaffer R, Donaldson G, Jacobson RC, Chapman CR: Effects of combining propofol and alfentanil on ventilation, analgesia, sedation, and emesis in human volunteers. *Anesthesiology* 1996; 84: 23-37
110. Vuyk J, Lim T, Engbers FH, Burm AG, Vletter AA, Bovill JG: The pharmacodynamic interaction of propofol and alfentanil during lower abdominal surgery in women. *Anesthesiology* 1995; 83: 8-22
111. Bouillon TW, Bruhn J, Radulescu L, Andresen C, Shafer TJ, Cohane C, Shafer SL: Pharmacodynamic interaction between propofol and remifentanil regarding hypnosis, tolerance of laryngoscopy, bispectral index, and electroencephalographic approximate entropy. *Anesthesiology* 2004; 100: 1353-72
112. Kurita T, Morita K, Kazama T, Sato S: Influence of cardiac output on plasma propofol concentrations during constant infusion in swine. *Anesthesiology* 2002; 96: 1498-503
113. Kurita T, Kazama T, Morita K, Fujii S, Uraoka M, Takata K, Sato S: Influence of fluid infusion associated with high-volume blood loss on plasma propofol concentrations. *Anesthesiology* 2004; 100: 871-8
114. Chaudhri S, White M, Kenny GN: Induction of anaesthesia with propofol using a target-controlled infusion system. *Anaesthesia* 1992; 47: 551-3

115. Servin FS, Marchand-Maillet F, Desmonts JM: Influence of analgesic supplementation on the target propofol concentrations for anaesthesia with 'Diprifusor' TCI. *Anaesthesia* 1998; 53 Suppl 1: 72-6
116. Struys M, Versichelen L, Rolly G: Influence of pre-anaesthetic medication on target propofol concentration using a 'Diprifusor' TCI system during ambulatory surgery. *Anaesthesia* 1998; 53 Suppl 1: 68-71
117. Struys MM, Vereecke H, Moerman A, Jensen EW, Verhaeghen D, De NN, Dumortier FJ, Mortier EP: Ability of the bispectral index, autoregressive modelling with exogenous input-derived auditory evoked potentials, and predicted propofol concentrations to measure patient responsiveness during anesthesia with propofol and remifentanyl. *Anesthesiology* 2003; 99: 802-12
118. Richebe P, Rivalan B, Baudouin L, Sesay M, Sztark F, Cros AM, Maurette P: Comparison of the anaesthetic requirement with target-controlled infusion of propofol to insert the laryngeal tube vs. the laryngeal mask. *Eur.J.Anaesthesiol.* 2005; 22: 858-63
119. Stuart PC, Stott SM, Millar A, Kenny GN, Russell D: Cp50 of propofol with and without nitrous oxide 67%. *Br.J.Anaesth.* 2000; 84: 638-9
120. Bruhn J, Bouillon TW, Ropcke H: A manual slide rule for target-controlled infusion of propofol: development and evaluation. *Anesth Analg* 2003; 96 (1): 142-7
121. Struys MM, De ST, Depoorter B, Versichelen LF, Mortier EP, Dumortier FJ, Shafer SL, Rolly G: Comparison of plasma compartment versus two methods for effect compartment--controlled target-controlled infusion for propofol. *Anesthesiology* 2000; 92: 399-406
122. Wakeling HG, Zimmerman JB, Howell S, Glass PS: Targeting effect compartment or central compartment concentration of propofol: what predicts loss of consciousness? *Anesthesiology* 1999; 90: 92-7
123. Struys M, Versichelen L, Rolly G: Propofol target-controlled infusion in clinical practice. *Acta Anaesthesiol.Belg.* 1997; 48: 207-11
124. Wilhelm W, Kreuer S, Larsen R: [Narcotrend EEG monitoring during total intravenous anaesthesia in 4.630 patients]. *Anaesthesist* 2002; 51: 980-8
125. Schuttler J, Stoeckel H, Schwilden H: Pharmacokinetic and pharmacodynamic modelling of propofol ('Diprivan') in volunteers and surgical patients. *Postgrad.Med.J.* 1985; 61 Suppl 3: 53-4
126. Kreuer S, Schreiber JU, Bruhn J, Wilhelm W: Impact of patient age on propofol consumption during propofol-remifentanyl anaesthesia. *Eur.J.Anaesthesiol.* 2005; 22: 123-8
127. Iwakiri H, Nishihara N, Nagata O, Matsukawa T, Ozaki M, Sessler DI: Individual effect-site concentrations of propofol are similar at loss of consciousness and at awakening. *Anesth.Analg.* 2005; 100: 107-10

128. Levitt DG, Schnider TW: Human physiologically based pharmacokinetic model for propofol. *BMC.Anesthesiol.* 2005; 5: 4
129. Smith C, McEwan AI, Jhaveri R, Wilkinson M, Goodman D, Smith LR, Canada AT, Glass PS: The interaction of fentanyl on the Cp50 of propofol for loss of consciousness and skin incision. *Anesthesiology* 1994; 81: 820-8
130. Vuyk J: Pharmacokinetic and pharmacodynamic interactions between opioids and propofol. *J.Clin.Anesth.* 1997; 9: 23S-6S
131. Olmos M, Ballester JA, Vidarte MA, Elizalde JL, Escobar A: The combined effect of age and premedication on the propofol requirements for induction by target-controlled infusion. *Anesth.Analg.* 2000; 90: 1157-61
132. Iwakiri H, Nagata O, Matsukawa T, Ozaki M, Sessler DI: Effect-site concentration of propofol for recovery of consciousness is virtually independent of fentanyl effect-site concentration. *Anesth.Analg.* 2003; 96: 1651-5, table
133. Aitkenhead AR: Injuries associated with anaesthesia. A global perspective. *Br.J.Anaesth.* 2005; 95: 95-109
134. Ghoneim MM: Awareness during anesthesia. *Anesthesiology* 2000; 92: 597- 602
135. Myles PS, Leslie K, McNeil J, Forbes A, Chan MT: Bispectral index monitoring to prevent awareness during anaesthesia: the B-Aware randomised controlled trial. *Lancet* 2004; 363: 1757-63
136. Sandin RH, Enlund G, Samuelsson P, Lennmarken C: Awareness during anaesthesia: a prospective case study. *Lancet* 2000; 355: 707-11
137. Sebel PS, Bowdle TA, Ghoneim MM, Rampil IJ, Padilla RE, Gan TJ, Domino KB: The incidence of awareness during anesthesia: a multicenter United States study. *Anesth.Analg.* 2004; 99: 833-9, table
138. Nordstrom O, Engstrom AM, Persson S, Sandin R: Incidence of awareness in total i.v. anaesthesia based on propofol, alfentanil and neuromuscular blockade. *Acta Anaesthesiol.Scand.* 1997; 41: 978-84
139. Barr G, Anderson RE, Jakobsson JG: A study of bispectral analysis and auditory evoked potential indices during propofol-induced hypnosis in volunteers: the effect of an episode of wakefulness on explicit and implicit memory. *Anaesthesia* 2001; 56: 888-93
140. Russell IF, Wang M: Absence of memory for intra-operative information during surgery with total intravenous anaesthesia. *Br.J.Anaesth.* 2001; 86: 196-202
141. Kreuer S, Bruhn J, Larsen R, Hoepstein M, Wilhelm W: Comparison of Alaris AEP index and bispectral index during propofol-remifentanil anaesthesia. *Br.J.Anaesth.* 2003; 91: 336-40
142. Anderson RE, Barr G, Jakobsson JG: Correlation between AAI-index and the BIS-index during propofol hypnosis: a clinical study. *J.Clin.Monit.Comput.* 2002; 17: 325-9

143. Anderson RE, Barr G, Assareh H, Jakobsson J: The AAI index, the BIS index and end-tidal concentration during wash in and wash out of sevoflurane. *Anaesthesia* 2003; 58: 531-5
144. Absalom AR, Sutcliffe N, Kenny GN: Closed-loop control of anesthesia using Bispectral index: performance assessment in patients undergoing major orthopedic surgery under combined general and regional anesthesia. *Anesthesiology* 2002; 96: 67-73
145. Absalom AR, Kenny GN: Closed-loop control of propofol anaesthesia using bispectral index: performance assessment in patients receiving computer-controlled propofol and manually controlled remifentanyl infusions for minor surgery. *Br.J.Anaesth.* 2003; 90: 737-41
146. Kenny GN, Mantzaridis H: Closed-loop control of propofol anaesthesia. *Br.J.Anaesth.* 1999; 83: 223-8
147. Leslie K, Absalom A, Kenny GN: Closed loop control of sedation for colonoscopy using the Bispectral Index. *Anaesthesia* 2002; 57: 693-7