

## **Practice Guidelines for Acute Pain Management in the Perioperative Setting: Bibliography**

*American Society of Anesthesiologists*

1. Abboud T.K., Dror A., Mosaad P., Zhu J., Mantilla M., Swart F., Gangolly J., Silao P., Makar A., Moore J., Davis H., Lee J: Mini-dose intrathecal morphine for the relief of post-cesarean section pain: Safety, efficacy, and ventilatory responses to carbon dioxide. *Anesth Analg* 67:137-143, 1988
2. Aguilar JL, Montero A, Lopez FV, Llamazares JF: Bilateral interpleural injection of local anesthetics. *Reg Anesth* 14, 93-94, 1989
3. Ahn H., Bronge A., Johansson K., Ygge H., Lindhagen J: Effect of continuous postoperative epidural analgesia on intestinal motility. *Br J Surg* 75:1176-1178, 1988.
4. Ali J, Yaffe CS, Serrette C: The effect of transcutaneous electric nerve stimulation on postoperative pain and pulmonary function. *Surgery* 89:507-512, 1981
5. Allen PD, Walman T, Concepcion M, Sheskey M, Patterson MK, Cullen D, Covino BG: Epidural morphine provides postoperative pain relief in peripheral vascular and orthopedic surgical patients: A dose-response study. *Anesth Analg* 65:165-170, 1986
6. Amaranath L, Andrih JT, Gurd AR, Weiker GG, Yoon H: Efficacy of intermittent epidural morphine following posterior spinal fusion in children and adolescents. *Clin Orthopaed Rel Res* 249:223-226, 1989
7. Anand KJS, Sippell Wg, Aynsley-Green A: Randomized trial of fentanyl anaesthesia in preterm babies undergoing surgery. *Lancet*, 1, 243-247, 1987
8. Ananthanarayan C, Kashtan H: Pneumothorax after interpleural block in a spontaneously breathing patient. *Anesthesia*, 45:392, 1990
9. Arvidsson I, Eriksson E, Knutsson E, Arner S: Reduction of pain inhibition on voluntary muscle activation by epidural analgesia. *Orthopedics* 9:1415-1419, 1986
10. Asantila R, Eklund P, Rosenberg PH: Continuous epidural infusion of bupivacaine and morphine for postoperative analgesia after hysterectomy. *Acta Anaesth Scand* 35:513-517, 1991
11. Aull L, Woodward ER, Rout RW, Paulus DA: Analgesia and postoperative hypoxaemia after gastric partition with and without bupivacaine wound infiltration. *Can J Anaesth* 37:S53, 1990
12. Bach S, Noreng MF, Tjellden NU: Phantom limb in amputees during the first 12 months following limb amputation, after preoperative lumbar epidural blockade. *Pain* 33:297-301, 1988
13. Bacon AK: An alternative block for post circumcision analgesia. *Anaesth Intens Care* 5:63, 1977
14. Badner NH, Reimer EJ, Komar WE, Moote CA: Low-dose bupivacaine does not improve postoperative epidural fentanyl analgesia in orthopedic patients [published erratum appears in *Anesth Analg* 72:718, 1991]. *Anesth Analg* 72:337-341, 1991
15. Badner NH, Komar WE: Bupivacaine 0.1% does not improve post-operative epidural fentanyl analgesia after abdominal or thoracic surgery. *Can J Anaesth* 39:330-336, 1992
16. Baer GA, Rorarius MG, Kolehmainen S, Selin S: The effect of paracetamol or diclofenac administered before operation on postoperative pain and behaviour after adenoidectomy in small children. *Anesthesia* 47:1078-1080, 1992
17. Baghdassarian R, Tansey LA, Martin DC, Shanberg AM: Use of bupivacaine as block to relieve postoperative pain in pediatric orchiopexy and hernia repair. *Urology* 27:537-539, 1986
18. Bailey PW, Smith BE: Continuous epidural infusion of fentanyl for postoperative analgesia. *Anaesthesia* 35:1002-1006, 1980
19. Baker PA, Schroeder D: Interpleural bupivacaine for postoperative pain during lactation. *Anesth Analg* 69:400-402, 1989
20. Banning AM, Schmidt JF, Chraemmer-Jorgensen B, Risbo A: Comparison of oral controlled release morphine and epidural morphine in the management of postoperative pain. *Anesth Analg* 65:385-388, 1986
21. Baram D, Smith C, Stinson S: Intraoperative topical etidocaine for reducing postoperative pain after laparoscopic tubal ligation. *J Reproductive Med* 35:407-410, 1990
22. Baxter AD, Jennings FO, Harris RS, Flynn JF, Way J: Continuous intercostal blockade after cardiac surgery. *Br J Anaesth* 59:162-166, 1987
23. Baxter AD, Samson B, Penning J, Doran R, Dube LM: Prevention of epidural morphine-induced respiratory depression with intravenous nalbuphine infusion in post-thoracotomy patients. *Can J Anaesth* 36:503-509, 1989
24. Baxter AD, Laganiere S, Samson B, McGilveray IJ, Hull K: A dose-response study of nalbuphine for post-thoracotomy epidural analgesia. *Can J Anaesth* 38:175-182, 1991

25. Beattie WS, Badner NH, Komar WE: Epidural fentanyl with 0.125% bupivacaine reduces the incidence of postoperative myocardial ischemia. *Can J Anaesth* 40:A45, 1993
26. Beniabed M, Ecoffey C, Levron JC, Flaisler B, Gross JB: Analgesia and ventilatory response to CO<sub>2</sub> following epidural sufentanil in children. *Anesthesiology* 67:948-951, 1987
27. Bennett R, Batenhorst RS, Foster TS, Griffen WO, Wright BD: Postoperative pulmonary function with patient-controlled analgesia. *Anesth Analg* 61:171, 1982
28. Berde CB, Beyer JE, Bournaki MC, Levin CR, Sethna NF: Comparison of morphine and methadone for prevention of postoperative pain in 3- to 7-year-old children. *J Ped* 119:136-141, 1991
29. Berde CB, Lehn BM, Yee JD, Sethna NF, Russo D: Patient-controlled analgesia in children and adolescents: A randomized, prospective comparison with intramuscular administration of morphine for postoperative analgesia. *J Ped* 118:460-466, 1991
30. Beyer JE, DeGood DE, Ashley LC, Russell GA: Patterns of postoperative analgesic use with adults and children following cardiac surgery. *Pain* 17:71-81, 1983
31. Bigler D, Dirkes W, Hansen R, Rosenberg J, Kehlet H: Effects of thoracic paravertebral block with bupivacaine versus combined thoracic epidural block with bupivacaine and morphine on pain and pulmonary function after cholecystectomy. *Acta Anaesth Scand* 33:561-564, 1989
32. Bilshack P, Rolly G, Tampubolon O: Efficacy of the extradural administration of lofentanyl, buprenorphine or saline in the management of postoperative pain: A double-blind study. *Br J Anaesth* 57:943-948, 1985
33. Binsted RJ: Epidural morphine after caesarean section. *Anaesth Intens Care* 11:130-134, 1983
34. Blacklock JB, Rea GL, Maxwell RE: Intrathecal morphine during lumbar spine operation for postoperative pain control. *Neurosurgery* 18:341-4, 1986
35. Blackman RG, Reynolds J, Shively J: Intrathecal morphine: Dosage and efficacy in younger patients for control of postoperative pain following spinal fusion. *Orthopedics* 14:555-557, 1991
36. Blaise G, Roy WL: Postoperative pain relief after hypospadias repair in pediatric patients: Regional analgesia versus systemic analgesics. *Anesthesiology* 65:84-86, 1986
37. Bonnet F, Boico O, Rostaing S, Loriferne JF, Saada M: Clonidine-induced analgesia in postoperative patients: Epidural versus intramuscular administration. *Anesthesiology* 72:423-427, 1990
38. Boudreault D, Brasseur L, Samii K, Lemoing PJ: Comparison of continuous epidural bupivacaine infusion plus either continuous epidural infusion or patient-controlled epidural injection of fentanyl for postoperative pain. *Anesth Analg* 73:132-137, 1991
39. Boulanger A, Choiniere M, Roy D, Boure B, Chartrand D, Choquette R, Rousseau P: Comparison between patient-controlled analgesia and intramuscular meperidine after thoracotomy. *Can J Anaesth* 40:409-415, 1993
40. Bramwell RG, Bullen C, Radford P: Caudal block for postoperative analgesia in children. *Anesthesia* 37:1024-1028, 1982
41. Brands E, Callanan VI: Continuous lumbar plexus block-analgesia for femoral neck fractures. *Anaesth Intens Care*, 6:256-258, 1978
42. Bray RJ: Postoperative analgesia provided by morphine infusion in children. *Anesthesia* 38:1075-1078, 1983
43. Bredtmann RD, Herden HN, Teichmann W, Moecke HP, Kniesel B, Baetgen R, Tecklenburg A: Epidural analgesia in colonic surgery: results of a randomized prospective study. *Br J Surg* 77:638-642, 1990
44. Brevik H, Hogstrom H, Curatolo M, Weiss S, Zbinden A, Thomson D: Developing a hospital-wide postoperative pain service: abstracts-7th World Congress on Pain. *Acta Anaesth Scand*, A1042, p.395, 1993
45. Breslow MJ, Jordan DA., Christpherson R, Rosenfeld B, Miller CF, Hanler DF, Beattie C, Traystman RJ, Rogers MC: Epidural morphine decreases postoperative hypertension by attenuating sympathetic nervous system hyperactivity. *JAMA* 261:3577-3581, 1989
46. Brismar B, Pettersson N, Tokies L, Strandberg A, Hedenstierna G: Postoperative analgesia with intrapleural administration of bupivacaine-adrenaline. *Acta Anaesth Scand* 31:515-520, 1987
47. Brodsky JB, Chaplan SR, Brose WG, Mark JB: Continuous epidural hydromorphone for postthoracotomy pain relief. *Ann Thoracic Surg* 50:888-893, 1990
48. Brodsky JB, Kretzschmar KM, Mark JB: Caudal epidural morphine for post-thoracotomy pain. *Anesth Analg* 67:409-410, 1988
49. Bromage PR, Camporesi E, Chestnut D: Epidural narcotics for postoperative analgesia. *Anesth Analg* 59:473-480, 1980
50. Bromage PR, Camporesi EM, Curant PAC, Nielsen CH: Non-respiratory side effects of epidural morphine. *Anesth Analg* 61:490-495, 1982
51. Brose WG, Cohen SE: Oxyhemoglobin saturation following Cesarean Section in Patients receiving epidural morphine, PCA, or i.m. meperidine analgesia. *Anesthesiology* 70:948-953, 1989

52. Brown RE, Broadman LM: Patient-controlled analgesia (PCA) for postoperative pain control in adolescents. *Anesth Analg* 66:S22, 1988
53. Brownridge P, Frewin DB: A comparative study of techniques of postoperative analgesia following caesarean section and lower abdominal surgery. *Anaesth Intens Care* 13:123-130, 1985
54. Bruce DL, Gerken MV, Lyon GD: Postcholecystectomy pain relief by intrapleural bupivacaine in patients with cystic fibrosis. *Anesth Analg* 66:1187-1189, 1987
55. Brull SJ, Lieponis JV, Murphy MJ, Garcia R, Silverman DG: Acute and long-term benefits of iliac crest donor site perfusion with local anesthetics. *Anesth Analg* 74:145-147, 1992
56. Brynitz S, Schroder M: Intraoperative cryolysis of intercostal nerves in thoracic surgery. *Scan J Thorac Cardiovasc Surg* 20:85-87, 1986
57. Bugedo GJ, Carcamo CR, Mertens RA, Dagnino JA, Munoz HR: Preoperative percutaneous ilioinguinal and iliohypogastric nerve block with 0.5% bupivacaine for post-herniorrhaphy pain management in adults. *Reg Anesth* 15:130-133, 1990
58. Bunting P, McConachie I: Ilioinguinal nerve blockade for analgesia after caesarean section. *Br J Anaesth* 61:773-775, 1988
59. Bunting P, McGeachie JF: Intercostal nerve blockade producing analgesia after appendicectomy. *Br J Anaesth* 61:169-172, 1988
60. Burns JW, Aitken HA, Bullingham R, McArdle C, Kenny G: Double-blind comparison of the morphine sparing effect of continuous and intermittent I.M. administration of ketorolac. *Br J Anaesth*, 67:235-238, 1991
61. Busch EH, Stedman PM: Epidural morphine for postoperative pain on medical-surgical wards - a clinical review. *Anesthesiology* 67:101-104, 1987
62. Bush DJ, Kramer DP: Intravascular migration of an epidural catheter during postoperative patient-controlled epidural analgesia. *Anesth Analg* 76:1150-1151, 1993
63. Bustamante J, Sawaki Y, White PF: Comparison of iv-pca vs epidural-pca following major vascular surgery. *Anesth Analg* 74:S39, 1992
64. Camann WR, Loferski BL, Fanciullo GJ, Stone ML, Datta S: Does epidural administration of butorphanol offer any clinical advantage over the intravenous route? A double-blind, placebo-controlled trial. *Anesthesiology* 76:216-220, 1992
65. Campbell FA, Yentis S, Fear DW: Analgesic efficacy and safety of a caudal bupivacaine-fentanyl mixture in children. *Can J Anaesth* 39:661-664, 1992
66. Campbell WI, Kendrick R., Patterson C: Intravenous diclofenac sodium. Does its administration before operation suppress postoperative pain? *Anesthesia* 45:763-766, 1990
67. Camporesi EM, Nielsen CH, Bromage PR, Durant PAC: Ventilatory CO<sub>2</sub> sensitivity after intravenous and epidural morphine in volunteers. *Anesth Analg* 62:633-640, 1983
68. Camu F, Debucquoy F: Alfentanil infusion for postoperative pain: A comparison of epidural and intravenous routes . *Anesthesiology* 75:171-178, 1991
69. Caplan RA, Ready LB, Oden RV, Matsen FA III, Nessly ML, Olsson GL: Transdermal fentanyl for postoperative pain management: a double-blind placebo study. *JAMA* 261:1036-1039, 1989
70. Capogna G, Celleno D, Tagariello V, Loffreda-Mancinelli C: Intrathecal buprenorphine for postoperative analgesia in the elderly patient. *Anesthesia* 43:128-130, 1988
71. Carabine UA, Milligan KR, Moore J: Extradural clonidine and bupivacaine for postoperative analgesia. *Br J Anaesth* 68:132-135, 1992
72. Carabine UA, Milligan KR, Mulholland D, Moore J: Extradural clonidine infusions for analgesia after total hip replacement. *Br J Anaesth* 68:338-43, 1992
73. Carman D, Roach JW: Transcutaneous electrical nerve stimulation for the relief of postoperative pain in children. *Spine* 13:109-110, 1988
74. Carvalho JCA, Mathias RS, Senra WG, Torres MLA, Adam C, Vasconcelos A, deMoraes JE, Corrallo SR: Systemic droperidol and epidural morphine in the management of postoperative pain. *Anesth Analg* 72:416, 1991
75. Casey WF, Rice LJ, Hannallah RS, Broadman L, Norden JM, Guzzetta P: A comparison between bupivacaine instillation versus ilioinguinal/iliohypogastric nerve block for postoperative analgesia following inguinal herniorrhaphy in children. *Anesthesiology* 72:637-639, 1990
76. Cataldo PA, Senagore AJ, Kilbride MJ: Ketorolac and patient controlled analgesia in the treatment of postoperative pain. *Surg, Gynecol Obstet* 176:435-438, 1993
77. Chadwick HS, Ready B: Intrathecal and epidural morphine sulphate for postcesarean analgesia-a clinical comparison. *Anesthesiology* 68:925-929, 1988

78. Chambers HG, Silver SM, Bucknell AL: Colonic pseudoobstruction associated with PCA after total joint arthroplasty. *Orthopaed Related Res* 254:255-260, 1990
79. Chambers WA, Mowbray A, Wilson J: Extradural morphine for the relief of pain following caesarean section. *Br J Anaesth* 55:1201-1203, 1983
80. Chambers WA, Sinclair C, Scott D: Extradural morphine for pain after surgery. *Br J Anaesth* 53:921-925, 1981
81. Chan VWS, Chung F, Cheng DCH, Seyone C, Chung A, Kirby T: Analgesic and pulmonary effects of continuous intercostal nerve block following thoracotomy. *Can J Anaesth* 38:733-739, 1991
82. Chan VWS, Chung F, McQuestion M, Gomez M, Cruise C, Evans D, Skumka D: Patient controlled analgesia (PCA) therapy: cost saving in nursing time and early hospital discharge? *Can J Anaesth* 39:A73, 1992
83. Chapman PJ, Ganendran A, Scott RJ, Basford K: Attitudes and knowledge of nursing staff in relation to management of postoperative pain. *Aust NZ J Surg* 57:447-450, 1987
84. Chauvin M, Hongnat JM, Mourgeon E, Lebrault C, Bellenfant P, Alfonsi P: Equivalence of postoperative analgesia with patient-controlled intravenous or epidural alfentanil. *Anesth Analg* 76:1251-1258, 1993
85. Chester JF, Ravindranath K, White BD, Shanahan D, Taylor RS, Lloyd-Williams K: Wound perfusion with bupivacaine: Objective evidence for efficacy in postoperative pain relief. *Ann Royal Coll Surg Eng* 71:394-396, 1989
86. Chien BB, Burke RG, Hunter DJ: An extensive experience with postoperative pain relief using postoperative fentanyl infusion. *Arch Surg* 126:692-694, 1991
87. Chrubasik J, Maynadier J, Scherpereel P, Wunsch E: The effect of epidural somatostatin on postoperative pain. *Anesth Analg* 64:1085-1088, 1985
88. Chrubasik J, Wiemers K: Continuous-plus-on-demand epidural infusion of morphine for postoperative pain relief by means of a small, externally worn infusion device. *Anesthesiology* 62:263-267, 1985
89. Clyburn PA, Rosen M: Patient-controlled analgesia with a mixture of pethidine and doxapram hydrochloride. A comparison of the incidence of respiratory dysrhythmias with pethidine alone. *Anesthesia* 43:190-193, 1988
90. Cohen DE, Van Duker B, Siegel S, Keon TP: Common peroneal nerve palsy associated with epidural analgesia. *Anesth Analg* 76:429-431, 1993
91. Cohen S, Amar D, Pantuck CB, Pantuck EJ, Weissman AB: Adverse effects of epidural 0.03% bupivacaine during analgesia after cesarean section. *Anesth Analg* 75:753-756, 1992
92. Cohen SE, Rothblatt AJ, Albright GA: Early respiratory depression with epidural narcotic and intravenous droperidol. *Anesthesiology* 59:559-560, 1983
93. Cohen SE, Subak LL, Brose WG, Halpern J: Analgesia after cesarean delivery: Patient evaluations and costs of five opioid techniques. *Reg Anesth* 16:141-149, 1991
94. Cohen SE, Tan S, White PF: Sufentanil analgesia following cesarean section: Epidural versus intravenous administration. *Anesthesiology* 68:129-134, 1988
95. Cohen SE, Woods WA: The role of epidural morphine in the postcesarean patient: Efficacy and effects on bonding. *Anesthesiology* 58:500-504, 1983
96. Comfort VK, Code WE, Rooney ME, Yip RW: Naproxen premedication reduces postoperative tubal ligation pain. *Can J Anaesth* 39:349-352, 1992
97. Cook PT, Lambert TF: An investigation of the effectiveness of bupivacaine applied to the abdominal wall and fallopian tubes in reducing pain after laparoscopic tubal ligation. *Anaesth Intens Care* 14:148-151, 1986
98. Cooper DW, Turner G: Patient-controlled extradural analgesia to compare bupivacaine, fentanyl and bupivacaine with fentanyl in the treatment of postoperative pain. *Br J Anaesth* 70:503-507, 1993
99. Cooperman AM, Hall B, Mikalacki K, Hardy R, Sadar E: Use of transcutaneous electrical stimulation in the control of postoperative pain. *Am J Surg* 133:185-187, 1977
100. Crocker S, Paech M: Preoperative rectal indomethacin for analgesia after laparoscopic sterilisation. *Anaesth Intens Care* 20:337-340, 1992
101. Cronin KD, Davies MJ: Intercostal block for post operative pain relief. *Anaesth Intens Care* 4:259-261, 1976
102. Cross DA, Hunt JB: Feasibility of epidural morphine for postoperative analgesia in a small community hospital. *Anesth Analg* 72:765-768, 1991
103. Cullen ML, Staren ED, El-Ganzouri A, Logas WG, Ivankovich AD, Economou SG: Continuous epidural infusion for analgesia after major abdominal operations: A randomized, prospective, double-blind study. *Surg* 98:718-728, 1985
104. Cuschieri RJ, Morran CG, Howie JC, McArdle CS: Postoperative pain and pulmonary complications: Comparison of three analgesic regimens. *Br J Surg* 72:495-498, 1985
105. Dahl JB, Christiansen CL, Daugaard JJ, Schultz P, Carlsson P: Continuous blockade of the lumbar plexus after knee surgery--postoperative analgesia and bupivacaine plasma concentrations. A controlled clinical trial. *Anaesthesia* 43:1015-1018, 1988

106. Dahl JB, Rosenberg J, Dirkes WE, Mogensen T, Kehlet H: Prevention of postoperative pain by balanced analgesia. *Br J Anaesth* 64:518-520, 1990
107. Dalens B, Tanguy A, Haberer JP: Lumbar epidural anesthesia for operative and postoperative pain relief in infants and young children. *Anesth Analg* 65:1069-1073, 1986
108. Daley MD, Sandler AN, Turner KE, Vosu H, Slavchenko P: A comparison of epidural and intramuscular morphine in patients following cesarean section. *Anesthesiology* 72:289-294, 1990
109. De Kock M, Scholtes JL: Postoperative P.C.A. in abdominal surgery. Analysis of 200 consecutive patients. *Acta Anaest Belg* 42:85-91, 1991
110. De Kock MF, Pichon G, Scholtes JL: Intraoperative clonidine enhances postoperative morphine patient-controlled analgesia. *Can J Anaesth* 39:537-544, 1992
111. Delaunay L, Leppert C, Dechaubry V, Levron J, Liu N, Bonnet F: Epidural clonidine decreases postoperative requirements for epidural fentanyl. *Reg Anesth* 18:176-180, 1993
112. Delikan A, Vijayan R: Experience with an acute pain service in a developing country. Abstracts-7th World Congress on Pain, A1042, p.395, 1993
113. Desparmet J, Meistelman C, Barre J, Saint-Maurice C: Continuous epidural infusion of bupivacaine for postoperative pain relief in children. *Anesthesiology* 67:108-110, 1987
114. Domsky M, Tarantino D: Patient-controlled spinal analgesia for postoperative pain control. *Anesth Analg* 75:453-455, 1992
115. Donadoni R, Rolly G: Epidural sufentanil versus intramuscular buprenorphine for postoperative analgesia. A double-blind comparative trial. *Anesthesia* 42:1171-1175, 1987
116. Donovan BD: Patient attitudes to postoperative pain relief. *Anaesth Intens Care* 11:125-129, 1983
117. Dottrens M, Rifat K, Morel DR: Comparison of extradural administration of sufentanil, morphine and sufentanil-morphine combination after caesarean section. *Br J Anaesth* 69:9-12,, 1992
118. Douglas MJ, McMorland GH, Janzen JA: Influence of bupivacaine as an adjuvant to epidural morphine for analgesia after cesarean section. *Anesth Analg* 67:1138-1141, 1988
119. Driessens A, Kossmann B, Dick W, Moller MR: Postoperative analgesia with epidural morphine injection after urologic operations. *Anesthesiologist* 30:575-576, 1981
120. Dryden C, McMenemin I, Duthie D: Efficacy of continuous intercostal bupivacaine for pain relief after thoracotomy. *Br J Anaesth* 70:508-510, 1993
121. Dyer RA, Camden-Smith K, James MFM: Epidural lidocaine with sufentanil and epinephrine for abdominal hysterectomy under general anaesthesia: respiratory depression and postoperative analgesia. *Can J Anaesth* 39:220-225, 1992
122. Edwards ND, Fletcher A, Cole JR, Peacock JE: Combined infusions of morphine and ketamine for postoperative pain in elderly patients. *Anesthesia* 48:124-127, 1993
123. Edwards ND, Wright EM: Continuous low-dose 3-in-1 nerve blockade for postoperative pain relief after total knee replacement. *Anesth Analg* 75:265-267, 1992
124. Egan KR, Ready LB, Nessly M, Greer BE: Self-administration of midazolam for postoperative anxiety: a double-blinded study. *Pain* 49:3-8, 1992
125. Egbert AM, Parks LH, Short LM, Burnett ML: Randomized trial of postoperative patient-controlled analgesia vs intramuscular narcotics in frail elderly men. *Arch Internal Med* 150:1897-1903, 1990
126. Eisenach J, Detweiler D, Hood D: Hemodynamic and analgesic actions of epidurally administered clonidine. *Anesthesiology* 78:277-287, 1993
127. Eisenach JC, Grice SC, Dewan DM: Patient-controlled analgesia following cesarean section: A comparison with epidural and intramuscular narcotics. *Anesthesiology* 68:444-448, 1988
128. Ejlersen E, Andersen HB, Eliasen K, Mogensen T: A comparison between preincisional and postincisional lidocaine infiltration and postoperative pain . *Anesth Analg* 74:495-498, 1992
129. Elander G, Hellstrom G, Qvarnstrom B: Care of infants after major surgery: observation of behavior and analgesic administration. *Ped Nurs* 19:221-226, 1993
130. El-Baz N, Faber LP, Ivankovich AD: Interpleural infusion of local anesthetic: A word of caution. *Anesthesiology* 68:809-810, 1988
131. El-Baz N, Goldin M: Continuous epidural infusion of morphine for pain relief after cardiac operations. *J Thorac Cardiovasc Surg* 93:878-883, 1987
132. El-Naggar MA: Bilateral intrapleural regional analgesia for postoperative pain control: A dose-finding study. *J Cardiothorac Anesth* 3:574-579, 1989

133. El-Naggar MA, Schaberg FJ, Phillips MR: Intrapleural regional analgesia for pain management in cholecystectomy. *Arch Surg* 124:568-570, 1989
134. Ellis DJ, Millar WL, Reisner LS: A randomized double-blind comparison of epidural versus intravenous fentanyl infusion for analgesia after cesarean section. *Anesthesiology* 72:981-986, 1990
135. Ellis R, Haines D, Shah R, Cotton BR, Smith G: Pain relief after abdominal surgery: a comparison of i.m. morphine, sublingual buprenorphine and self-administered i.v. pethidine. *Br J Anaesth* 54:421-428, 1982
136. Eng J, Sabanathan S: Continuous paravertebral block for postthoracotomy analgesia in children. *J Ped Surg* 27:556-557, 1992
137. Engberg G: Respiratory performance after upper abdominal surgery. A comparison of pain relief with intercostal blocks and centrally acting analgesics. *Acta Anaesth Scand* 29:427-433, 1985
138. Engdahl O, Boe J, Sandstedt S: Interpleural bupivacaine for analgesia during chest drainage treatment for pneumothorax. A randomized double-blind study. *Acta Anaesth Scand* 37:149-153, 1993
139. Famewo CE, Naguib M: Spinal anaesthesia with meperidine as the sole agent. *Can J Anaesth* 32:533-537, 1985
140. Farag H, Naguib M: Caudal morphine for pain relief following anal surgery. *Ann Royal Coll Surg Eng* 71:257-258, 1989
141. Farrington EA, McGuinness GA, Johnson GF, Erenberg A, Leff RD: Continuous intravenous morphine infusion in postoperative newborn infants. *Am J Perinatology* 10:84-87, 1993
142. Fassoulaki A: Brachial plexus block for pain relief after modified radical mastectomy. *Anesth Analg* 61:986-987, 1982
143. Fell D, Derrington MC, Taylor E, Wandless JG: Paediatric postoperative analgesia. A comparison between caudal block and wound infiltration of local anaesthetic. *Anaesthesia* 43:107-110, 1988
144. Filos KS, Goudas LC, Patroni O, Polyzou V: Intrathecal clonidine as a sole analgesic for pain relief after cesarean section. *Anesthesiology* 77:267-274, 1992
145. Fisher A, Meller Y: Continuous postoperative regional analgesia by nerve sheath block for amputation surgery: a pilot study. *Anesth Analg* 72:300-303, 1991
146. Fisher QA, McComiskey CM, Hill JL, Spurrier EA, Voigt RE, Savarese AM, Beaver BL, Boltz MG: Postoperative voiding interval and duration of analgesia following peripheral or caudal nerve blocks in children. *Anesth Analg* 76:173-177, 1993
147. Fitzpatrick GJ, Moriarty DC: Intrathecal morphine in the management of pain following cardiac surgery. A comparison with morphine i.v. *Br J Anaesth* 60:639-644, 1988
148. Frank ED, McKay W, Rocco A, Gallo JP: Interpleural bupivacaine for postoperative analgesia following cholecystectomy: A randomized prospective study. *Reg Anesth* 15:26-30, 1990
149. Frenette L, Boudreault D, Guay J: Interpleural analgesia improves pulmonary function after cholecystectomy. *Can J Anaesth* 38:71-74, 1991
150. Fuller JG, McMorland GH, Douglas MJ, Palmer L: Epidural morphine for analgesia after caesarean section: A report of 4880 patients. *Can J Anaesth* 37:636-640, 1990
151. Galway JE, Caves PK, Dundee JW: Effect of intercostal nerve blockade during operation on lung function and the relief of pain following thoracotomy. *Br J Anaesth* 47:730-735, 1975
152. Gaudreault P, Guay J, Nicol O, Dupuis C: Pharmacokinetics and clinical efficacy of intrarectal solution of acetaminophen. *Can J Anaesth* 35:149-152, 1988
153. Gaukroger PB, Tomkins DP, van der Walt JH: Patient-controlled analgesia in children. *Anaesth Intens Care* 17:264-268, 1989
154. Gauthier JE, Perreault C: Comparison of epidural and intramuscular fentanyl for post caesarean section analgesia. *Can J Anaesth* 32:A54, 1985
155. Geller E, Chrubasik J, Graf R, Chrubasik S, Schulte-Monting J: A randomized double-blind comparison of epidural sufentanil versus intravenous sufentanil or epidural fentanyl analgesia after major abdominal surgery. *Anesth Analg* 76:1243-1250, 1993
156. Geller RJ: Meperidine in patient-controlled analgesia: A near-fatal mishap. *Anesth Analg* 76:655-657, 1993
157. George KA, Chisakuta AM, Gamble JA, Browne GA: Thoracic epidural infusion for postoperative pain relief following abdominal aortic surgery: Bupivacaine, fentanyl or a mixture of both? *Anaesthesia* 47:388-394, 1992
158. George KA, Wright PMC, Chisakuta A: Continuous thoracic epidural fentanyl for post-thoracotomy pain relief: with or without bupivacaine? *Anaesthesia* 46:732-736, 1991
159. Gibbs P, Purushotham A, Auld C, Cuschieri RJ: Continuous wound perfusion with bupivacaine for postoperative wound pain. *Br J Surg* 75:923-924, 1988
160. Gilbert JM, Gladhill T, Law N, George C: Controlled trial of transcutaneous electrical nerve stimulation (TENS) for postoperative pain relief following herniorrhaphy. *Br J Surg* 73:749-751, 1986

161. Girotra S, Kumar S, Rajendran KM: Caudal buprenorphine for postoperative analgesia in children: a comparison with intramuscular buprenorphine. *Acta Anaesth Scand* 37:361-364, 1993
162. Gjessing J, Tomlin PJ: Postoperative pain control with intrathecal morphine. *Anesthesia* 36:268-276, 1981
163. Glass PSA, Estok P, Ginsberg B, Goldberg JS, Sladen RN: Use of patient-controlled analgesia to compare the efficacy of epidural to intravenous fentanyl administration. *Anesth Analg* 74:345-351, 1992
164. Glynn CJ, Lloyd JW, Barnard JDW: Cryoanalgesia in the management of pain after thoracotomy. *Thorax* 35:325-327, 1980
165. Gordh T Jr.: Epidural clonidine for treatment of postoperative pain after thoracotomy. A double-blind placebo-controlled study. *Acta Anaesth Scand* 32:702-709, 1988
166. Gough JD, Williams AB: The control of post-thoracotomy pain. A comparative evaluation of thoracic epidural fentanyl infusions and cryo-analgesia. *Anesthesia* 43:780-783, 1988
167. Gould TH, Crosby DL, Harmer M, Lloyd SM, Lunn JN, Rees GA, Roberts DE, Webster JA: Policy for controlling pain after surgery: Effect of sequential changes in management. *BMJ* 305:1187-1193, 1992
168. Goulding FJ: Penile block for postoperative pain relief in penile surgery. *J Urology* 126:337, 1981
169. Gouverneur JM, Singelyn F: PCA and peripheral nerve blocks. *Acta Anaesth Belg* 43:63-65, 1992
170. Grant RP, Dolman JF, Harper JA, White SA, Parsons DG, Evans KG, Merrick CP: Patient-controlled lumbar epidural fentanyl compared with patient-controlled intravenous fentanyl for post-thoracotomy pain. *Can J Anaesth* 39:214-219, 1992
171. Grass JA, Sakima NT, Valley M, Fischer K, Jackson C, Walsh P, Bourke DL: Assessment of ketorolac as an adjuvant to fentanyl patient-controlled epidural analgesia after radical retropubic prostatectomy. *Anesthesiology* 78:642-648, 1993
172. Guinard JP, Mavrocordatos P, Chiolero R, Carpenter RL: A randomized comparison of intravenous versus lumbar and thoracic epidural fentanyl for analgesia after thoracotomy. *Anesthesiology* 77:1108-1115, 1992
173. Gurel A, Unal N, Elevli M, Eren A: Epidural morphine for postoperative pain relief in anorectal surgery. *Anesth Analg* 65:499-502, 1986
174. Gustafsson LL, Friberg-Nielsen S, Garle M, Mohall A, Rane A, Schildt B, Symreng T: Extradural and parenteral morphine: Kinetics and effects in postoperative pain. A controlled clinical study. *Br J Anaesth* 54:1167-1174, 1982
175. Haddow GR, Riley E, Isaacs R, McSharry R: Ketorolac, nasal polyposis, and bronchial asthma: A cause for concern. *Anesth Analg* 76:420-422, 1993
176. Hamid SK, Scott NB, Sutcliffe NP, Tighe SQ, Anderson JR, Cruikshank AM, Kehlet H: Continuous coeliac plexus blockade plus intermittent wound infiltration with bupivacaine following upper abdominal surgery: A double-blind randomised study. *Acta Anaesth Scand* 36:534-539, 1992
177. Hannallah RS, Broadman LM, Belman AB, Abramowitz MD, Epstein BS: Comparison of caudal and ilioinguinal/iliohypogastric nerve blocks for control of post-orchiopexy pain in pediatric ambulatory surgery. *Anesthesiology* 66:832-834, 1987
178. Harbers JB, Hasenbos MAWM, Gort C, Folgering H, Dirksen R, Gielen MJ: Ventilatory function and continuous high thoracic epidural administration of bupivacaine with sufentanil intravenously or epidurally: A double-blind comparison. *Reg Anesth* 16:65-71, 1991
179. Harrison DM, Sinatra R, Morgese L, Chung JH: Epidural narcotic and patient-controlled analgesia for post-cesarean section pain relief. *Anesthesiology* 68:454-457, 1988
180. Hart L, Macintyre P, Winefield H, Roundsefll B, Runciman W: Re-evaluation of patient, medical and nursing staff attitudes to postoperative opioid analgesia after the establishment of an acute pain service: stage 2 of a longitudinal study. *Abstracts-7th World Congress on Pain* 397:A1047, 1993
181. Hasenbos M, Simon M, van Egmond J, Folgering H, van Hoorn P: Post-operative analgesia by nicomorphine intramuscularly versus high thoracic epidural administration. Effects on ventilatory and airway occlusion pressure responses to CO<sub>2</sub>. *Acta Anaesth Scand* 30:426-430, 1986
182. Hasenbos M, van Egmond J, Gielen M, Crul JF: Post-operative analgesia by epidural versus intramuscular nicomorphine after thoracotomy. Part I. *Acta Anaesth Scand* 29:572-576, 1985
183. Hasenbos M, van Egmond J, Gielen M, Crul JF: Post-operative analgesia by epidural versus intramuscular nicomorphine after thoracotomy. Part II. *Acta Anaesth Scand* 29:577-582, 1985
184. Hasenbos M, van Egmond J, Gielen M, Crul JF: Post-operative analgesia by high thoracic epidural versus intramuscular nicomorphine after thoracotomy. Part III. The effects of per- and post-operative analgesia on morbidity. *Acta Anaesth Scand* 31:608-615, 1987
185. Hashimi H, Stewart AL, Ah-Fat G: Continuous intercostal nerve block for postoperative analgesia after surgical treatment of the upper part of the abdomen. *Surg Gynecol Obstet* 173:116-118, 1991

186. Heard SO, Edwards WT, Ferrari D, Hanna D, Wong PD, Liland A, Willock MM: Analgesic effect of intraarticular bupivacaine or morphine after arthroscopic knee surgery: A randomized, prospective, double-blind study. *Anesth Analg* 74, 822-826, 1992
187. Hecker BR, Albert L: Patient-controlled analgesia: A randomized, prospective comparison between two commercially available PCA pumps and conventional analgesic therapy for postoperative pain. *Pain* 35:115-120, 1988
188. Henderson SK, Matthew EB, Cohen H, Avram MJ: Epidural hydromorphone: A double-blind comparison with intramuscular hydromorphone for postcesarean section analgesia. *Anesthesiology* 66:825-830, 1987
189. Hendrickson M, Myre L, Johnson DG, Matlak ME, Black RE, Sullivan JJ: Postoperative analgesia in children: A prospective study in intermittent intramuscular injection versus continuous intravenous infusion of morphine. *J Ped Surg* 25:185-190, 1990
190. Hinkle AJ: Percutaneous inguinal block for the outpatient management of post-herniorrhaphy pain in children. *Anesthesiology* 67:411-413, 1987
191. Hjortso E, Vester-Andersen T, Moller IW, Lundsgaard M: Epidural morphine for postoperative pain relief. *Acta Anaest Scand* 26:528-530, 1982
192. Hjortso NC, Lund C, Mogensen T, Bigler D, Kehlet H: Epidural morphine improves pain relief and maintains sensory analgesia during continuous epidural bupivacaine after abdominal surgery. *Anesth Analg* 65:1033-1036, 1986
193. Hobbs GJ, Roberts FL: Epidural infusion of bupivacaine and diamorphine for postoperative analgesia. Use on general surgical wards. *Anaesthesia* 47:58-62, 1992
194. Hoddsman NBA, Kenny GNC, McArdle CS: Patient controlled analgesia and urinary retention. *Br J Surg* 75:212, 1988
195. Holland RB, Levitt MWD, Whitton LA, Shadbolt N: Carbon dioxide response after epidural morphine. *Anaesthesia* 37:753-757, 1982
196. Hollinger JL: Transcutaneous electrical nerve stimulation after cesarean birth. *Phys Ther* 66:36-38, 1986
197. Horta ML, Horta BL: Inhibition of epidural morphine-induced pruritus by intravenous droperidol. *Reg Anesth* 18:118-120, 1993
198. Howard EC, Murray GR, Calvey TN, Williams NE: Prolonged release extradural morphine. *Ann Royal Coll Surg Eng* 67:8-10, 1985
199. Hudes E: Continuous infusion interpleural analgesia for multiple fractured ribs. *Can J Anaesth* 37:705, 1990
200. Hunt CO, Naulty JS, Malinow AM: Epidural butorphanol-bupivacaine for analgesia during labor and delivery. *Anesth Analg* 68:323-327, 1989
201. Hupert C, Yacoub M, Turgeon LR: Effect of hydroxyzine on morphine analgesia for the treatment of postoperative pain. *Anesth Analg* 59:690-696, 1980
202. Husted S, Djurhuus JC, Husegaard HC, Jepsen J, Mortensen J: Effect of postoperative extradural morphine on lower urinary tract function. *Acta Anaest Scand* 29:183-185, 1985
203. Inagaki Y, Mashimo T, Yoshiya I: Segmental analgesic effect and reduction of halothane MAC from epidural fentanyl in humans. *Anesth Analg* 74:856-864, 1992
204. Islas JA, Astorga J, Laredo M: Epidural ketamine for control of postoperative pain. *Anesth Analg* 64:1161-1162, 1985
205. Issenman J, Nolan MF, Rowley J, Hobby R: Transcutaneous electrical nerve stimulation for pain control after spinal fusion with Harrington rods. A clinical report. *Phys Ther* 65:1517-1520, 1985
206. Jacobson L, Chabal C, Brody MC: A dose-response study of intrathecal morphine: Efficacy, duration, optimal dose, and side effects. *Anesth Analg* 67:1082-1088, 1988
207. Jacobson L, Chabal C, Brody MC: Relief of persistent postamputation stump and phantom limb pain with intrathecal fentanyl. *Pain* 37:317-322, 1989
208. Jacobson L, Kokri MS, Pridie AK: Intrathecal diamorphine: A dose-response study. *Ann Royal Coll Surg Eng* 71:289-292, 1989
209. Jacobson L, Phillips PD, Hull CJ, Conacher ID: Extradural versus intramuscular diamorphine. A controlled study of analgesic and adverse effects in the postoperative period. *Anaesthesia* 38:10-18, 1983
210. Javery KB, Colclough GW., Sutterlin J III, Witt WO: IVPCA: Morphine vs morphine plus ketamine: a double blind comparison. *Can J Anaesth* 40:A48, 1993
211. Jayr C, Thomas H, Rey A, Farhat F, Lasser P, Bourgain JL: Postoperative pulmonary complications. *Anesthesiology* 78:666-676, 1993
212. Jebeles JA, Reilly JS, Gutierrez JF, Bradley EL Jr., Kissin I: The effect of pre-incisional infiltration of tonsils with bupivacaine on the pain following tonsillectomy under general anesthesia. *Pain* 47:305-308, 1991
213. Jensen JE, Conn RR, Hazelrigg G, Hewett JE: The use of transcutaneous neural stimulation and isokinetic testing in arthroscopic knee surgery. *Am J Sports Med* 13:27-33, 1985

214. Jensen PJ, Siem-Jorgensen P, Nielsen TB, Wichmand-Nielsen H, Wintherreich E: Epidural morphine by the caudal route for postoperative pain relief. *Acta Anaesth Scand* 26:511-513, 1982
215. Jones SEF, Beasley JM, Macfarlane DWR, Davis JM, Hall-Davies G; Intrathecal morphine for postoperative pain relief in children. *Br J Anaesth* 56:137-140, 1984
216. Jones SEF, Stokes MA: Papaveretum infusions in infants under 6 months in age. *Anaesthesia* 46:688-690, 1991
217. Jones SF, White A: Analgesia following femoral neck surgery. Lateral cutaneous nerve block as an alternative to narcotics in the elderly. *Anaesthesia* 40:682-685, 1985
218. Jorgensen BC, Andersen HB, Engquist A: Influence of epidural morphine on postoperative pain, endocrine-metabolic, and renal responses to surgery. A controlled study. *Acta Anaesth Scand* 26:63-68, 1982
219. Joucken K, Michel L, Schoevaerdts JC, Mayne A, Randour P: Cryoanalgesia for post-thoracotomy pain relief. *Acta Anaesth Belg* 38:179-183, 1987
220. Kalia PK, Madan R, Saksena R, Batra RK, Gode GR: Epidural pentazocine for postoperative pain relief. *Anesth Analg* 62:949-950, 1983
221. Kalso E: Effects of intrathecal morphine, injected with bupivacaine, on pain after orthopaedic surgery. *Br J Anaesth* 55:415-421, 1983
222. Kambam JR, Hammon J, Parris WCV, Lupinetti FM: Intrapleural analgesia for post-thoracotomy pain and blood levels of bupivacaine following intrapleural injection. *Can J Anaesth* 36: 106-109, 1989
223. Kambam JR, Handte RE., Flanagan J, Fisher K, Lupinetti FM, Hammon J: Intrapleural anesthesia for post-thoracotomy pain relief. *Anesth Analg* 66: S90, 1987
224. Kastrossios H, Mogg GAG, Triggs EJ, Higbie JWA: Interpleural bupivacaine infusion compared with intravenous pethidine infusion after cholecystectomy. *Anaesth Intens Care* 19:539-545, 1991
225. Kavanagh BP, Katz J, Sandler A, Nierenberg H, Boylan J, Friedlander M, Davies A: Pain and narcotic use following thoracic surgery are reduced by preemptive lumbar epidural fentanyl: A randomized, prospective, double-blind crossover study. *Can J Anaesth* 39:A79, 1992
226. Kavanagh BP, Katz J, Sandler A, Nierenberg H, Roger S, Boylan J, Davies A, Friedlander M: Is postoperative pain reduced by preoperative multi-modal nociceptive blockade?: A randomized, double-blind, placebo controlled study. *Can J Anaesth* 39:A76, 1992
227. Kawamata M, Omote K, Namiki A: Bilateral interpleural injection of lidocaine after bilateral lung surgery through median sternotomy in four patients. *Anesth Analg* 75:1046-1049, 1992
228. Kawana Y, Sato H, Shimada H, Fujita N, Ueda Y, Hayashi A, Araki Y: Epidural ketamine for postoperative pain relief after gynecologic operations: A double-blind study and comparison with epidural morphine. *Anesth Analg* 66:735-738, 1987
229. Kay B: Caudal block for post-operative pain relief in children. *Anaesthesia* 29:610-611, 1974
230. Keenan DJM, Cave K, Langdon L, Lea RE: Comparative trial of rectal indomethacin and cryoanalgesia for control of early postthoracotomy pain. *Br Med J* 287:1335-1337, 1983
231. Kenady DE, Wilson JF, Schwartz RW, Bannon CL, Wermeling D: A randomized comparison of patient-controlled versus standard analgesic requirements in patients undergoing cholecystectomy. *Surg Gynecol Obstet* 174:216-220, 1992
232. Kerrick JM, Fine PG, Lipman AG, Love G: Low-dose amitriptyline as an adjunct to opioids for postoperative orthopedic pain: a placebo-controlled trial. *Pain* 52:325-330, 1993
233. Khiroya RC, Davenport HT, Jones JG: Cryoanalgesia for pain after herniorrhaphy. *Anaesthesia* 41:73-76, 1986
234. Khouri GF, Chen ACN, Garland DE, Stein C: Intraarticular morphine, bupivacaine, and morphine/bupivacaine for pain control after knee videoarthroscopy. *Anesthesiology* 77:263-266, 1992
235. Kinnear SB, Macintyre PE, Hart L, Webb RK: Pain relief for cholecystectomy patients before and after the start of an acute pain service - stage 2 of a longitudinal study. *Abstracts-7th World Congress on Pain* A1048:397, 1993
236. Kiss IE, Kilian M: Does opiate premedication influence postoperative analgesia? A prospective study. *Pain* 48:157-158, 1992
237. Kleiman RL, Lipman AG, Hare BD, MacDonald SD: PCA vs. regular IM injections for severe postop pain. *Am J Nurs* Nov:1491-1492, 1987
238. Klin B, Uretzky G, Magora F: Transcutaneous electrical nerve stimulation (TENS) after open heart surgery. *J Cardiovasc Surg* 25:445-448, 1984
239. Klinck JR, Lindop MJ: Epidural morphine in the elderly. A controlled trial after upper abdominal surgery. *Anaesthesia* 37:907-912, 1982
240. Koren G, Butt W, Chinyanga H, Soldin S, Tan YK, Pape K: Postoperative morphine infusion in newborn infants: Assessment of disposition characteristics and safety. *J Ped* 107:963-967, 1985

241. Krane EJ, Jacobson LE, Lynn AM, Parrot C, Tyler DC: Caudal morphine for postoperative analgesia in children: A comparison with caudal bupivacaine and intravenous morphine. *Anesth Analg* 66: 647-653, 1987
242. Kreitzer JM, Kirschenbaum LP, Eisenkraft JB: Epidural fentanyl by continuous infusion for relief of postoperative pain. *Clin J Pain* 5:283-290, 1989
243. Laitinen J, Nuutinen L: Failure of transcutaneous electrical nerve stimulation and indomethacin to reduce opiate requirement following cholecystectomy. *Acta Anaesth Scand* 35:700-705, 1991
244. Laitinen J, Nuutinen L: Intravenous diclofenac coupled with PCA fentanyl for pain relief after total hip replacement. *Anesthesiology* 76:194-198, 1992
245. Laitinen J, Nuutinen L, Kiiskila EL, Freudenthal Y, Ranta P, Karvonen J: Comparison of intravenous diclofenac, indomethacin and oxycodone as post-operative analgesics in patients undergoing knee surgery. *Eur J Anaesth* 9:29-34, 1992
246. Lange MP, Dahn MS, Jacobs LA: Patient-controlled analgesia versus intermittent analgesia dosing. *Heart Lung* 17:495-498, 1988
247. Langer JC, Shandling B, Rosenberg M: Intraoperative bupivacaine during outpatient hernia repair in children: A randomized double blind trial. *J Ped Surg* 22:267-270, 1987
248. Lanz E, Theiss D, Riess W, Sommer U: Epidural morphine for postoperative analgesia: A double-blind study. *Anesth Analg* 61:236-240, 1982
249. Laurito CE, Kirz LI, VadeBoncouer TR, Riegler FX, Citron GM, Segil LJ, Pelligrino DA: Continuous infusion of interpleural bupivacaine maintains effective analgesia after cholecystectomy. *Anesth Analg* 72:516-521, 1991
250. Lawhorn CD, McNitt JD, Fibach EE, Joyce JT, Leadley RJ Jr: Epidural morphine with butorphanol for postoperative analgesia after cesarean delivery. *Anesth Analg* 72:53-57, 1991
251. Lawrie SC, Forbes DW, Akhtar TM, Morton NS: Patient-controlled analgesia in children. *Anaesthesia* 46:1074-1076, 1990
252. Lee A, Boon D, Bagshaw P, Kempthorne P: A randomised double-blind study of interpleural analgesia after cholecystectomy. *Anaesthesia* 46:1028-1031, 1990
253. Lee A, McKeown D, Brockway M, Bannister J, Wildsmith JAW: Comparison of extradural and intravenous diamorphine as a supplement to extradural bupivacaine. *Anaesthesia* 46:447-450, 1991
254. Lee A, Simpson D, Whitfield A, Scott DB: Postoperative analgesia by continuous extradural infusion of bupivacaine and diamorphine. *Br J Anaesth* 60:845-850, 1988
255. Lee JJ: EMLA for postoperative analgesia for day case circumcision in children. *Anaesthesia* 47:1081-1083, 1992
256. Lee VC, Abram SE: Interpleural administration of bupivacaine for post-thoracotomy analgesia. *Anesthesiology* 66:586, 1987
257. Lehmann KA, Gerhard A, Horrichs-Haermeyer G, Grond S, Zech D: Postoperative patient-controlled analgesia with sufentanil: analgesic efficacy and minimum effective concentrations. *Acta Anaesth Scand* 35:221-226, 1991
258. Lehmann KA, Heinrich C, van Heiss R: Balanced anesthesia and patient-controlled postoperative analgesia with fentanyl: minimum effective concentrations, accumulation and acute tolerance. *Acta Anaesth Belg* 39:11-23, 1988
259. Lehmann KA, Kratzenberg U, Schroeder-Bark B, Horrichs-Haermeyer G: Postoperative patient-controlled analgesia with tramadol: Analgesic efficacy and minimum effective concentrations. *Clinical J Pain* 6:212-220, 1990
260. Lehmann KA, Ribbert N, Horrichs-Haermeyer G: Postoperative patient-controlled analgesia with alfentanil: analgesic efficacy and minimum effective concentrations. *J Pain Symp Management* 5:249-258, 1990
261. Lehmann KA, Tenbuchs B, Hoeckle W: Patient-controlled analgesia with piritramide for the treatment of postoperative pain. *Acta Anaesth Belg* 37:247-257, 1986
262. Levack ID, Holmes JD, Robertson GS: Abdominal wound perfusion for the relief of postoperative pain. *Br J Anaesth* 58:615-619, 1986
263. Lim AT, Edis G, Kranz H, Mendelson G, Selwood T, Scott DF: Postoperative pain control: Contribution of psychological factors and transcutaneous electrical stimulation. *Pain* 17:179-188, 1983
264. Lin D, Becker K., Shapiro HM: Neurologic changes following epidural injection of potassium chloride and diazepam: A case report with laboratory correlations. *Anesthesiology* 65:210-212, 1986
265. Lindgren L, Saarnivaara L: Comparison of paracetamol and aminophenazone plus diazepam suppositories for anxiety and pain relief after tonsillectomy in children. *Acta Anaesth Scand* 29:679-682, 1985
266. Logas WG, El-Baz N, El-Ganzouri A, Cullen M, Staren E, Faber LP, Ivankovich AD: Continuous thoracic epidural analgesia for postoperative pain relief following thoracotomy: A randomized prospective study. *Anesthesiology* 67:787-791, 1987
267. Loper KA, Ready LB, Brody M: Patient-controlled anxiolysis with midazolam. *Anesth Analg* 67:1118-1119, 1988

268. Loper KA, Ready LB, Dorman BH: Prophylactic transdermal scopolamine patches reduce nausea in postoperative patients receiving epidural morphine. *Anesth Analg* 68:144-146, 1989
269. Loper KA, Ready LB, Downey M, Sandler AN, Nessly M, Rapp S, Badner N: Epidural and intravenous fentanyl infusions are clinically equivalent after knee surgery. *Anesth Analg* 70:72-75, 1990
270. Lund C, Mogensen T, Hjortso NC, Kehlet H: Systemic morphine enhances spread of sensory analgesia during postoperative epidural bupivacaine infusion. *Lancet* ii:1156-1157, 1985
271. Lunn JN: Postoperative analgesia after circumcision. A randomized comparison between caudal analgesia and intramuscular morphine in boys. *Anaesthesia* 34:552-554, 1979
272. Lysak SZ, Eisenach JC, Dobson CE: Patient controlled epidural analgesia during labor: A comparison of three solutions with a continuous infusion control. *Anesthesiology* 72:44-49, 1990
273. Mackersie RC, Karagaines TG, Hoyt DB: Prospective evaluation of epidural and intravenous administration of fentanyl for pain control and restoration of ventilatory function following multiple rib fractures. *J Trauma* 31:443-449, 1991
274. Macrae DJ, Munishankrappa S, Burrow LM, Milne MK, Grant IS: Double-blind comparison of the efficacy of extradural diamorphine, extradural phenoperidine and i.m. diamorphine following caesarean section. *Br J Anaesth* 59:354-359, 1987
275. Madej TH, Watson NC, Martin BC: Large dose epidural sufentanil. Management of postoperative pain with few side effects. *Anaesthesia* 42:1204-1206, 1987
276. Mahoney OM, Noble PC, Davidson J, Tullos HS: The effect of continuous epidural analgesia on postoperative pain, rehabilitation, and duration of hospitalization in total knee arthroplasty. *Clin Orthopaed Rel Res* 260:30-37, 1990
277. Malinow AM, Mokrski BLK, Nomura MK, Kaufman MA, Snell JA, Sharp GD, Howard RA: Effect of epinephrine on intrathecal fentanyl analgesia in patients undergoing postpartum tubal ligation. *Anesthesiology* 73:381-385, 1990
278. Manara AR, Bodenham AR, Park GR: Analgesic efficacy of perioperative buccal morphine. *Br J Anaesth* 64:551-555, 1990
279. Markham SJ, Tomlinson J, Hain WR: Ilioinguinal nerve block in children. A comparison with caudal block for intra and postoperative analgesia. *Anaesthesia* 41:1098-1103, 1986
280. Marks RM, Sachar EJ: Undertreatment of medical inpatients with narcotic analgesics. *Ann Intern Med* 78:173-181, 1973
281. Martin LV: Postoperative analgesia after circumcision in children. *Br J Anaesth* 54:1263-1266, 1982
282. Mather CMP, Anaes FC, Ready LB, Newman M: Inflammatory cutaneous reactions to epidural catheters. *Anesthesiology* 78:200-203, 1993
283. Mather L, Mackie J: The incidence of postoperative pain in children. *Pain* 15:271-282, 1983
284. Maunuksela EL, Olkkola KT, Korpela R: Does prophylactic intravenous infusion of indomethacin improve the management of postoperative pain in children? *Can J Anaesth* 35:123-127, 1988
285. May AE, Wandless J, James RH: Analgesia for circumcision in children: A comparison of caudal bupivacaine and intramuscular buprenorphine. *Acta Anaesth Scand* 26:331-333, 1982
286. McCallum MID, Glynn CJ, Moore RA, Lammer P, Phillips AM: Transcutaneous electrical nerve stimulation in the management of acute postoperative pain. *Br J Anaesth* 61:308-312, 1988
287. McCririck A, Ramage DTO: Caudal blockade for postoperative analgesia: A useful adjunct to intramuscular opiates following emergency lower leg orthopaedic surgery. *Anaesth Intens Care* 19:551-554, 1991
288. McGrath D, Thurston N, Wright D, Preshaw R, Fermin P: Comparison of one technique of patient-controlled postoperative analgesia with intramuscular meperidine. *Pain* 37:265-270, 1989
289. McIlvaine WB, Chang JHT, Jones M: The effective use of intrapleural bupivacaine for analgesia after thoracic and subcostal incisions in children. *J Ped Surg* 23:1184-1187, 1988
290. McIlvaine WB, Knox RF, Fennessey PV, Goldstein M: Continuous infusion of bupivacaine via intrapleural catheter for analgesia after thoracotomy in children. *Anesthesiology* 69:261-264, 1988
291. McLintock TTC, Kenny GNC, Howie JC, McArdle CS, Lawrie S, Aitken H: Assessment of the analgesic efficacy of nefopam hydrochloride after upper abdominal surgery: A study using patient controlled analgesia. *Br J Surg* 75:779-781, 1988
292. McLoughlin J, Kelley CJ: Study of the effectiveness of bupivacaine infiltration of the ilioinguinal nerve at the time of hernia repair for post-operative pain relief. *Br J Clin Prac* 43:281-283, 1989
293. McMorland GH, Douglas MJ, Kamani AA, Berkowitz J, Palmer L: Epidural sufentanil for post-caesarean section analgesia: lack of benefit of epinephrine. *Can J Anaesth* 37:432-437, 1990
294. McNeely JK, Hoffman GM, Eckert JE: Postoperative pain relief in children from the parascalene injection technique. *Reg Anesth* 16:20-22, 1991
295. McNicol LR: Lower limb blocks for children. Lateral cutaneous and femoral nerve blocks for postoperative pain relief in paediatric practice. *Anaesthesia* 41:27-31, 1986

296. McNicol LR: Sciatic nerve block for children. *Sciatic nerve block by the anterior approach for postoperative pain relief.* *Anaesthesia* 40:410-414, 1985
297. McQuay HJ, Carroll D, Moore RA: Postoperative orthopaedic pain - the effect of opiate premedication and local anaesthetic blocks. *Pain* 33:291-295, 1988
298. Mehnert JH, Dupont TJ, Rose DH: Intermittent epidural morphine instillation for control of postoperative pain. *Am J Surg* 146:145-151, 1983
299. Mendez R, Eisenach JC, Kashtan K: Epidural clonidine analgesia after cesarean section. *Anesthesiology* 73:848-852, 1990
300. Merrill DC: Electroanalgesia in urologic surgery. *Urology* 29:494-497, 1987
301. Minzter BH, Camann WR, Denney RA, Datta S: Intrathecal sufentanil for labor analgesia: Effects of added epinephrine. *Reg Anesth* 18:S17, 1993
302. Milligan KR, Fogarty DJ: The characteristics of analgesic requirements following subarachnoid diamorphine in patients undergoing total hip replacement. *Reg Anesth* 18:114-117, 1993
303. Mitchell RW, Scott DB, Holmquist E, Lamont M: Continuous extradural infusion of 0.125% bupivacaine for pain relief after lower abdominal surgery. *Br J Anaesth* 60:851-853, 1988
304. Mok MS, Chan KH, Chung SK, Lee TY, Lippmann M: Evaluation of the analgesic effect of epidural ketamine. *Anesth Analg* 66:S121, 1987
305. Moller IW, Dinesen K, Sondergaard S, Knigge U, Kehlet H: Effect of patient-controlled analgesia on plasma catecholamine, cortisol and glucose concentrations after cholecystectomy. *Br J Anaesth* 61:160-164, 1988
306. Montgomery CJ, Ready LB: Epidural opioid analgesia does not obscure diagnosis of compartment syndrome resulting from prolonged lithotomy position. *Anesthesiology* 75:541-543, 1991
307. Moore DC: Intercostal nerve block for postoperative somatic pain following surgery of thorax and upper abdomen. *Br J Anaesth* 47:284-286, 1975
308. Moores MA, Wandless JG, Fell D: Paediatric postoperative analgesia: A comparison of rectal diclofenac with caudal bupivacaine after inguinal herniotomy. *Anaesthesia* 45:156-158, 1990
309. Morgan PJ, Mehta S, Kapala DM: Nalbuphine pretreatment in cesarean section patients receiving epidural morphine. *Reg Anesth* 16:84-88, 1991
310. Motsch J, Gruber E, Ludwig K: Addition of clonidine enhances postoperative analgesia from epidural morphine: A double-blind study. *Anesthesiology* 73:1067-1073, 1990
311. Mourisse J, Hasenbos MA, Gielen MJ, Moll JE, Cromheecke GJ: Epidural bupivacaine, sufentanil or the combination for post-thoracotomy pain. *Acta Anaesth Scand* 36:70-74, 1992
312. Mozell EJ, Sabanathan S, Mearns AJ, Bickford-Smith PJ, Majid MR, Zografos G: Continuous extrapleural intercostal nerve block after pleurectomy. *Thorax* 46:21-24, 1991
313. Muller LC, Salzer GM, Ransmayr G, Neiss A: Intraoperative cryoanalgesia for postthoracotomy pain relief. *Ann Thorac Surg* 48:15-18, 1989
314. Murphy DF: Continuous intercostal nerve blockade for pain relief following cholecystectomy. *Br J Anaesth* 55:521-524, 1983
315. Murphy DF, Medley C: Preoperative indomethacin for pain relief after thoracotomy: Comparison with postoperative indomethacin. *Br J Anaesth* 70:298-300, 1993
316. Murphy DF, Opie NJ: Nurse-controlled intravenous analgesia. Effective control of pain after thoracotomy. *Anaesthesia* 46:772-774, 1991
317. Naguib M, Adu-Gyamfi Y, Absood GH, Farag H, Gyasi HK: Epidural ketamine for postoperative analgesia. *Canadian Anaesth Soc J* 33:16-21, 1986
318. Naguib M, Famewo C, Absood A: Pharmacokinetics of meperidine in spinal anaesthesia. *Can Anaesth Soc J* 33:162-166, 1986
319. Naji P, Farschtschian M, Wilder-Smith OH, Wilder-Smith CH: Epidural droperidol and morphine for postoperative pain. *Anesth Analg* 70:583-588, 1990
320. Naulty JS, Datta S, Ostheimer GW, Johnson MD, Burger GA: Epidural fentanyl for postcesarean delivery pain management. *Anesthesiology* 63:694-698, 1985
321. Navarathnam RG, Wang IY, Thomas D, Klineberg PL: Evaluation of the transcutaneous electrical nerve stimulator for postoperative analgesia following cardiac surgery. *Anaesth Intens Care* 12:345-350, 1984
322. Neary JM: Transcutaneous electrical nerve stimulation for the relief of post-incisional surgical pain. *J Am Assoc Nurse Anesth* 49:151-155, 1981
323. Neill RS: Postoperative analgesia following brachial plexus block. *Br J Anaesth* 50:379-382, 1978

324. Nichols D, Yaster M, Lynn A, Helfaer M, Deshpande J, Manson P, Carson B, Bezman M, Maxwell L, Tobias J, Grochow L: Disposition and respiratory effects of intrathecal morphine in children. *Anesthesiology* 79:733-738, 1993
325. Nolan JP, Dow AA, Parr MJ, Dauphinee K, Kalish M: Patient-controlled epidural analgesia following post-traumatic pelvic reconstruction: A comparison with continuous epidural analgesia. *Anesthesia* 47:1037-1041, 1992
326. Nunn JF, Slavin G: Posterior intercostal nerve block for pain relief after cholecystectomy: Anatomical basis and efficacy. *Br J Anaesth* 52:253-260, 1980
327. Oden RV, Karagianes TG: Postoperative myocardial ischemia possibly masked by epidural fentanyl analgesia. *Anesthesiology* 74:941-943, 1991
328. Organowski S, Duncan PG: Clinical differences in spinal opioid efficacy. *Can J Anaesth* 36:448-449, 1989.
329. Orr IA, Keenan DJ, Dundee JW, Patterson CC, Greenfield AA: Post-thoracotomy pain relief: Combined use of cryoprobe and morphine infusion techniques. *Ann Royal Coll Surg Eng* 65:366-369, 1983
330. Owen H, Galloway D, Mitchell K: Analgesia by wound infiltration after surgical excision of benign breast lumps. *Ann Royal Coll Surg Eng* 67:114-115, 1985
331. Owen H, Szekely SM, Plummer JL, Cushnie JM, Mather LE: Variables of patient-controlled analgesia: 2. concurrent infusion. *Anesthesia* 44:11-13, 1989
332. Owens EL, Kasten GW, Hessel EA: Spinal subarachnoid hematoma after lumbar puncture and heparinization: A case report, review of the literature, and discussion of anesthetic implications. *Anesth Analg* 65:1201-1207, 1986
333. Oxorn DC, Whatley GS: Post-cholecystectomy pulmonary function following interpleural bupivacaine and intramuscular pethidine. *Anaesth Intens Care* 17:440-443, 1989
334. Panos L, Sandler AN, Stringer DG, Badner N, Lawson S, Koren G: Continuous infusions of lumbar epidural fentanyl and intravenous fentanyl for post-thoracotomy pain relief I: Analgesic and pharmacokinetic effects. *Can J Anaesth* 37:S66, 1990
335. Parker RK, Holtmann B, White PF: Effects of a nighttime opioid infusion with PCA therapy on patient comfort and analgesic requirements after abdominal hysterectomy. *Anesthesiology* 76:362-367, 1992
336. Parker RK, Holtmann B, White PF: Patient-controlled analgesia: Does a concurrent opioid infusion improve pain management after surgery? *JAMA* 266:1947-1952, 1991
337. Parker RK, Sawaki Y, White PF: Epidural patient-controlled analgesia: Influence of bupivacaine and hydromorphone basal infusion on pain control after cesarean delivery. *Anesth Analg* 75:740-746, 1992
338. Parker RK, White PF: Epidural patient-controlled analgesia: an alternative to intravenous patient-controlled analgesia for pain relief after cesarean delivery. *Anesth Analg* 75:245-251, 1992
339. Partridge BL, Stabile BE: The effects of incisional bupivacaine on postoperative narcotic requirements, oxygen saturation and length of stay in the post-anesthesia care unit. *Acta Anaesth Scand* 34:486-491, 1990
340. Patel JM, Lanzafame RJ, Williams JS, Mullen BV, Hinshaw JR: The effect of incisional infiltration of bupivacaine hydrochloride upon pulmonary functions, atelectasis and narcotic need following elective cholecystectomy. *Surg Gynecol Obstet* 157:338-340, 1983
341. Paulus DA, Paul WL, Munson ES: Neurologic depression after intrathecal morphine. *Anesthesiology* 54:517-518, 1981
342. Penning JP, Samson B, Baxter AD: Reversal of epidural morphine-induced respiratory depression and pruritus with nalbuphine. *Can J Anaesth* 35:599-604, 1988
343. Perez-Woods R, Grohar JC, Skaredoff M, Rock SG, Tse AM, Tomich P, Polich S: Pain control after cesarean birth: Efficacy of patient-controlled analgesia vs traditional therapy (IM morphine). *J Perinatol* 11:174-181, 1991
344. Perriss BW, Latham BV, Wilson IH: Analgesia following extradural and i.m. pethidine in post-caesarean section patients. *Br J Anaesth* 64:355-357, 1990
345. Pettine KA, Wedel DJ, Cabanela ME, Weeks JL: The use of epidural bupivacaine following total knee arthroplasty. *Orthopaedic Rev* 18:894-901, 1989
346. Pillow KJ, Moote CA, Komar WE, Lampe KM: Postoperative pain management in patients with inflammatory bowel disease. *Can J Anaesth* 37:S63, 1990
347. Planner RS, Cowie RW, Babarczy AS: Continuous epidural morphine analgesia after radical operations upon the pelvis. *Surg Gynecol Obstet* 166:229-232, 1988
348. Pond W, Somerville GM, Thong S, Ranochak JA, Weaver GA: Pain of delayed traumatic splenic rupture masked by intrapleural lidocaine. *Anesthesiology* 70:154-155, 1989
349. Porter EJ, McQuay HJ, Bullingham RE, Weir L, Allen MC, Moore RA: Comparison of effects of intraoperative and postoperative methadone: Acute tolerance to the postoperative dose? *Br J Anaesth* 55:325-332, 1983
350. Presper JH, Denion J: Epidural morphine for control of postoperative laminectomy pain. *Spine* 13:124-125, 1988
351. Pryle BJ, Vanner RG, Enriquez N, Reynolds F: Can pre-emptive lumbar epidural blockade reduce postoperative pain following lower abdominal surgery? *Anaesthesia* 48:120-123, 1993

352. Punt CD, van Neer P, de Lange S: Pressure sores as a possible complication of epidural analgesia. *Anesth Analg* 73:657-659, 1991
353. Racz H, Gunning K, Santa DD, Forster A: Evaluation of the effect of perineuronal morphine on the quality of postoperative analgesia after axillary plexus block: A randomized double-blind study. *Anesth Analg* 72:769-772, 1991
354. Rademaker BM, Sih IL, Kalkman CJ, Henny CP, Filedt Kok JC, Endert E, Zuurmond WW: Effects of interpleurally administered bupivacaine 0.5% on opioid analgesic requirements and endocrine response during and after cholecystectomy: A randomized double-blind controlled study. *Acta Anaesth Scand* 35:108-112, 1991
355. Raggi R, Dardik H, Mauro AL: Continuous epidural anesthesia and postoperative epidural narcotics in vascular surgery. *Am J Surg* 154:192-197, 1987
356. Raj PP, Knarr DC, Vigdorth E, Denson DD, Pither CE, Hartrick CT, Hopson CN, Edstrom HH: Comparison of continuous epidural infusion of a local anesthetic and administration of systemic narcotics in the management of pain after total knee replacement surgery. *Anesth Analg* 66:401-406, 1987
357. Rawal N: Organization of acute pain services - a low-cost alternative. Abstracts-7th World Congress on Pain, 398, A1052, 1993
358. Rawal N, Sjostrand U, Christoffersson E, Dahlstrom B, Arvill A, Rydman H: Comparison of intramuscular and epidural morphine for postoperative analgesia in the grossly obese: Influence on postoperative ambulation and pulmonary function. *Anesth Analg* 63:583-592, 1984
359. Rawal N, Sjostrand U, Dahlstrom B: Postoperative pain relief by epidural morphine. *Anesth Analg* 60:726-731, 1981
360. Rawal N, Sjostrand UH, Dahlstrom B, Nydahl PA, Ostelius J: Epidural morphine for postoperative pain relief: A comparative study with intramuscular narcotic and intercostal nerve block. *Anesth Analg* 61:93-98, 1982.
361. Rawal N, Wattwil M: Respiratory depression after epidural morphine - an experimental and clinical study. *Anesth Analg* 63:8-14, 1984
362. Ready LB, Chadwick HS, Ross B: Age predicts effective morphine dose after abdominal hysterectomy. *Anesth Analg* 66:1215-1218, 1987
363. Ready LB, Loper KA, Nessly M, Wild L: Postoperative epidural morphine is safe on surgical wards. *Anesthesiology* 67:5452-456, 1991
364. Ready LB, Oden R, Chadwick HS, Benedetti C, Rooke GA, Caplan R, Wild LW: Development of an anesthesiology-based postoperative pain management service. *Anesthesiology* 68:100-106, 1988
365. Reid MF, Harris R, Phillips PD, Barker I, Pereira NH, Bennett NR: Day-case herniotomy in children: A comparison of ilio-inguinal nerve block and wound infiltration for postoperative analgesia. *Anaesthesia* 42:658-661, 1987
366. Reiestad F, Stromskag K: Interpleural catheter in the management of postoperative pain. *Reg Anesth* 11:89-91, 1986
367. Reimer EJ, Badner NH, Moote CA, Komar WE: Bupivacaine added to epidural fentanyl does not improve postoperative analgesia. *Can J Anaesth* 37:S54, 1990
368. Reiz S, Ahlin J, Ahrenfeldt B, Andersson M, Andersson S: Epidural morphine for postoperative pain relief. *Acta Anaesth Scand* 25:111-114, 1981
369. Rice LJ, Pudimat MA, Hannallah RS: Timing of caudal block placement in relation to surgery does not affect duration of postoperative analgesia in paediatric ambulatory patients. *Can J Anaesth* 37:429-431, 1990
370. Roberts D, Pizzarelli G, Lepore V, al-Khaja N, Belboul A, Dernevik L: Reduction of post-thoracotomy pain by cryotherapy of intercostal nerves. *Scan J Thorac Cardiovasc Surg* 22:127-130, 1988
371. Robertson K, Douglas MJ, McMorland GH: Epidural fentanyl, with and without epinephrine for post-Caesarean section analgesia. *Can Anaesth Soc J* 32:502-505, 1985
372. Robinson RJ, Brister S, Jones E, Quigley M: Epidural meperidine analgesia after cardiac surgery. *Can Anaesth Soc J* 33:550-555, 1986
373. Rocco A, Reiestad F, Gudman J, McKay W: Intrapleural administration of local anesthetics for pain relief in patients with multiple rib fractures. *Reg Anesth* 12:10-14, 1987
374. Rodgers BM, Webb CJ, Stergios D, Newman BM: Patient-controlled analgesia in pediatric surgery. *J Ped Surg* 23:259-262, 1988
375. Rogers DA, Dingus D, Stanfield J, Dipiro JT, May JR, Bowden TA Jr.: A prospective study of patient-controlled analgesia: Impact on overall hospital course. *Am Surg* 56:86-89, 1990
376. Rosaeg OP, Kitts JB, Koren G, Byford LJ: Maternal and fetal effects of intravenous patient-controlled fentanyl analgesia during labor in a thrombocytopenic patient. *Can J Anaesth* 39:277-281, 1992
377. Rosaeg OP, Suderman V, Yarnell RW: Early respiratory depression during caesarean section following epidural meperidine. *Can J Anaesth* 39:71-74, 1992
378. Rosen MA, Hughes SC, Shnider SM, Abboud TK, Norton M, Dailey PA, Curtis JD: Epidural morphine for the relief of postoperative pain after cesarean delivery. *Anesth Analg* 62:666-672, 1983

379. Rosenberg PH, Ssheinin BMA, Lepantalo MJA, Lindfors O: Continuous intrapleural infusion of bupivacaine for analgesia after thoracotomy. *Anesthesiology* 67:811-813, 1987
380. Rosenblatt RM: Continuous femoral anesthesia for extremity surgery. *Anesth Analg* 59:631-632, 1980
381. Rosenblatt WH, Cioffi AM, Sinatra R, Saberski LR, Silverman DG: Metoclopramide: An analgesic adjunct to patient-controlled analgesia. *Anesth Analg* 73:553-555, 1991
382. Ross DA, Drasner K, Weinstein PR, Flaherty JF, Barbaro NM: Use of intrathecally administered morphine in the treatment of postoperative pain after lumbar spinal surgery: A prospective, double-blind, placebo- controlled study. *Neurosurgery* 28:700-704, 1991
383. Ross RA, Clarke JE, Armitage EN: Postoperative pain prevention by continuous epidural infusion: A study of the clinical effects and the plasma concentrations obtained. *Anaesthesia* 35:663-668, 1980
384. Ross WB, Tweedie JH, Leong YP, Wyman A, Smithers BM: Does intercostals blockade improve patient comfort after cholecystectomy? *Br J Surg* 74:63-64, 1987
385. Rosseel PM, van den Broek WG, Boer EC, Prakash O: Epidural sufentanil for intra-and postoperative analgesia in thoracic surgery: a comparative study with intravenous sufentanil. *Acta Anaesth Scand* 32:193-198, 1988
386. Rostaing S, Bonnet F, Levron JC, Vodinh J, Pluskwa F, Saada M: Effect of epidural clonidine on analgesia and pharmacokinetics of epidural fentanyl in postoperative patients. *Anesthesiology* 75:420-425, 1991
387. Roxburgh JC, Markland CG, Ross BA, Kerr WF: Role of cyroanalgesia in the control of pain after thoracotomy. *Thorax* 42:292-295, 1987
388. Roy-Shapira A, Amoury RA, Ashcraft KW, Holder TM, Sharp RJ: Transient quadriceps paresis following local inguinal block for postoperative pain control. *J Ped Surg* 20:554-555, 1985
389. Rung G, Graf G, Riemondy S, Failner B, Kauffman G, Mostrom J: Transdermal fentanyl for analgesia after upper abdominal surgery. *Anesth Analg* 76:S362, 1993
390. Rybro L, Schurizek BA, Petersen TK, Wernberg M: Postoperative analgesia and lung function: A comparison of intramuscular with epidural morphine. *Acta Anaesth Scand* 26:514-518, 1982
391. Sabanathan S, Mearns AJ, Smith PJB, Eng J, Berrisford RG, Bibby SR, Majid MR: Efficacy of continuous extrapleural intercostal nerve block on post-thoracotomy pain and pulmonary mechanics. *Br J Surg* 77:221-226, 1990
392. Sabanathan S, Smith PJB, Pradhan GN, Hashimi H, Eng JB, Mearns AJ: Continuous intercostal nerve block for pain relief after thoracotomy. *Annals of Thoracic Surgery* 46:425-426, 1988
393. Safran D, Kuhlman G, Orhant EE, Castelain MH, Journois D: Continuous intercostal blockade with lidocaine after thoracic surgery: Clinical and pharmacokinetic study. *Anesth Analg* 70:345-349, 1990
394. Salomaki TE, Laitinen JO, Nuutinen LS: A randomized double-blind comparison of epidural versus intravenous fentanyl infusion for analgesia after thoracotomy. *Anesthesiology* 75:790-795, 1991
395. Sandler AN, Stringer D, Panos L, Badner N, Friedlander M, Koren G, Katz J, Klein J: A randomized, double-blind comparison of lumbar epidural and intravenous fentanyl infusions for postthoracotomy pain relief: Analgesic, pharmacokinetic, and respiratory effects. *Anesthesiology* 77:626-634, 1992
396. Sarma VJ, Bostrom UV: Intrathecal morphine for the relief of post-hysterectomy pain--a double-blind, dose-response study. *Acta Anaesth Scand* 37:223-227, 1993
397. Scheinin B, Asantila R, Orko R: The effect of bupivacaine and morphine on pain and bowel function after colonic surgery. *Acta Anaesth Scand* 31:161-164, 1987
398. Schindler M, Swann M, Crawford M: A comparison of postoperative analgesia provided by wound infiltration or caudal analgesia. *Anesth Intens Care* 19:46-49, 1991
399. Schmidt JF, Chraemmer-Jorgensen B, Pedersen JE, Risbo A: Postoperative pain relief with Naloxone: Severe respiratory depression and pain after high dose buprenorphine. *Anaesthesia* 40:583-586, 1985
400. Schug S, Torrie J: Safety assessment of postoperative pain management by an acute pain service. *Pain* 55:387-391, 1993
401. Schulze S, Moller IW, Bang U, Rye B, Kehlet H: Effect of combined prednisolone, epidural analgesia and indomethacin on pain, systemic response and convalescence after cholecystectomy. *Acta Chirurgica Scandinavica* 156:203-209, 1990
402. Schulze S, Roikjaer O, Hasselstrom L, Jensen NH, Kehlet H: Epidural bupivacaine and morphine plus systemic indomethacin eliminates pain but not systemic response and convalescence after cholecystectomy. *Surgery* 103:321-327, 1988
403. Schulze S, Sommer P, Bigler D, Honnens M, Shenkin A, Cruickshank AM, Bukhave K, Kehlet H: Effect of combined prednisolone, epidural analgesia, and indomethacin on the systemic response after colonic surgery. *Archives of Surgery* 127:325-331, 1992
404. Schwartz BR, Gregg RV, Kessler DL, Bracken RB: Continuous postoperative epidural analgesia in management of postoperative surgical pain. *Urology* 34:349-352, 1989

405. Schweitzer SA, Morgan DJ: Plasma bupivacaine concentrations during postoperative continuous epidural analgesia. *Anaesth Intens Care* 15:425-430, 1987
406. Scott NB, Mogensen T, Bigler D, Lund C, Kehlet H: Continuous thoracic extradural 0.5% bupivacaine with or without morphine: Effect on quality of blockade, lung function and the surgical stress response. *Br J Anaesth* 62:253-257, 1989
407. Scott NB, Mogensen T, Greulich A, Hjortso NC, Kehlet H: No effect of continuous i.p. infusion of bupivacaine on postoperative analgesia, pulmonary function and the stress response to surgery. *Br J Anaesth* 61:165-168, 1988
408. Segal IS, Jarvis DJ, Duncan SR, White PF, Maze M: Clinical efficacy of oral-transdermal clonidine combinations during the perioperative period. *Anesthesiology* 74:220-225, 1991
409. Seltzer JL, Larijani GE, Goldberg ME, Marr AT: Intrapleural bupivacaine - a kinetic and dynamic evaluation. *Anesthesiology* 67:798-800, 1987
410. Semple AJ, Macrae DJ, Munishankarappa S, Burrow LM, Milne MK, Grant IS: Effect of the addition of adrenaline to extradural diamorphine analgesia after caesarean section. *Br J Anaesth* 60:632-638, 1988
411. Semple P, Madej TH, Wheatley RG, Jackson IJ, Stevens J: Transdermal hyoscine with patient-controlled analgesia. *Anaesthesia* 47:399-401, 1992
412. Serpell MG, Millar FA, Thomson MF: Comparison of lumbar plexus block versus conventional opioid analgesia after total knee replacement. *Anaesthesia* 46:275-257, 1991
413. Sevarino FB, Naulty JS, Sinatra R, Chin ML, Paige D, Conry K, Silverman DG: Transdermal fentanyl for postoperative pain management in patients recovering from abdominal gynecologic surgery. *Anesthesiology* 77:463-466, 1992
414. Sevarino FB, Ning T, Sinatra RS, Silverman DG, Brull SJ: The efficacy of ketrolac 15 mg or 30 mg in combination with morphine PGA in postoperative gynecological surgery patients. *Anesthesiology* 75:A1090, 1991
415. Sevarino FB, McFarlane C, Sinatra RS: Epidural fentanyl does not influence intravenous PCA requirements in the post-caesarean patient. *Can J Anaesth* 38:450-453, 1991
416. Shandling B, Steward DJ: Regional analgesia for postoperative pain in pediatric outpatient surgery. *J Ped Surg* 15:477-480, 1980
417. Shantha TR: Unilateral bronchospasm after interpleural analgesia. *Anest Analg* 74:291-293, 1992
418. Shelly MP, Park GR: Intercostal nerve blockade for children. *Anaesthesia* 42:541-544, 1987
419. Shevde K: Low-dose intrathecal meperidine for lower limb orthopaedic surgery. *Can J Anaesth* 37:947-948, 1990
420. Shulman M, Sandler AN, Bradley JW, Young PS, Brebner J: Postthoracotomy pain and pulmonary function following epidural and systemic morphine. *Anesthesiology* 61:569-575, 1984
421. Shulman MS, Sandler A, Brebner J: The reversal of epidural morphine induced somnolence with physostigmine. *Can Anaesth Soc J* 31:678-680, 1984
422. Sihota MK, Holmlad B: Horner's syndrome after intrapleural anesthesia with bupivacaine for post-herpetic neuralgia. *Acta Anaest Scand* 32:593-594, 1988
423. Sinatra R, Chung KS, Silverman DG, Brull SJ, Chung J, Harrison DM, Donielson D, Weinstock A: An evaluation of morphine and oxymorphone administered via patient-controlled analgesia (PCA) or PCA plus basal infusion in postcesarean-delivery patients. *Anesthesiology* 71:502-507, 1989
424. Sinatra RS, Sevarino FB, Chung JH, Graf G, Paige D, Takla V, Silverman DG: Comparison of epidurally administered sufentanil, morphine, and sufentanil-morphine combination for postoperative analgesia. *Anest Analg* 72:522-527, 1991
425. Singelyn FJ, Dangoisse M, Bartholomee S, Gouverneur JM: Adding clonidine to mepivacaine prolongs the duration of anesthesia and analgesia after axillary brachial plexus block. *Reg Anesth* 17:148-150, 1992
426. Sjogren P, Jakobsen S, Valentin N: Respiratory depression during epidural morphine treatment. *Acta Anaest Scand* 35:553-555, 1991
427. Slattery PJ, Harmer M, Rosen M, Vickers MD: An open comparison between routine and self-administered postoperative pain relief. *Ann Royal Coll Surg Eng* 65:18-19, 1983
428. Smedstad KG, Beattie WS, Blair WS, Buckley DN: Postoperative pain relief and hospital stay after total esophagectomy. *Clin J Pain* 8:149-153, 1992
429. Smith BE, Fischer HBJ, Scott PV: Continuous sciatic nerve block. *Anaesthesia* 39:155-157, 1984.
430. Smith CM, Guralnick MS, Gelfand MM, Jeans ME: The effects of transcutaneous electrical nerve stimulation on post-cesarean pain. *Pain* 27:181-193, 1986
431. Smith I, Shively RA, White PF: Effects of ketorolac and bupivacaine on recovery after outpatient arthroscopy. *Anest Analg* 75:208-212, 1992
432. Smith ID, Klubien KE, Wood MLB, Macrae DJ, Carli F: Diamorphine analgesia after caesarean section: comparison of intramuscular and epidural administration of four dose regimens. *Anaesthesia* 46:973-976, 1991

433. Soliman MG, Tremblay NA: Nerve block of the penis for postoperative pain relief in children. *Anesth Analg* 57:495-498, 1978
434. Spetzler B, Anderson L: Patient-controlled analgesia in the total joint arthroplasty patient. *Clin Orthopaed Rel Res* 215:122-125, 1987
435. Squier RC, Morrow JS, Roman R: Hanging-drop technique for intrapleural analgesia. *Anesthesiology* 70:882, 1989
436. Sriwatanakul K, Weis OF, Alloza JL, Kelvie W, Weintraub M, Lasagna L: Analysis of narcotic analgesic usage in the treatment of postoperative pain. *JAMA* 250:926-929, 1983
437. Stenseth R, Sellevold O, Breivik H: Epidural morphine for postoperative pain: Experience with 1085 patients. *Acta Anaesth Scand* 29:148-156, 1985
438. Sternlo JE, Hagerdal M: Perineuronal morphine in intercostal block. *Anaesthesia* 47:613-615, 1992
439. Strong WE: Epidural abscess associated with epidural catheterization: A rare event? Report of two cases with markedly delayed presentation. *Anesthesiology* 74:943-946, 1991
440. Sun HL, Wu CC, Lin MS, Chang CF: Effects of epidural morphine and intramuscular diclofenac combination in postcesarean analgesia: A dose-range study. *Anesth Analg* 76:284-288, 1993
441. Sun HL, Wu CC, Lin MS, Chang CF, Mok MS: Combination of low-dose epidural morphine and intramuscular diclofenac sodium in postcesarean analgesia. *Anesth Analg* 75:64-68, 1992
442. Sury MR, McLuckie A, Booker PD: Local analgesia for infant pyloromyotomy: Does wound infiltration with bupivacaine affect postoperative behaviour? *Ann Royal Coll Surg Eng* 72:324-327, 1990
443. Symreng T, Gomez MN, Johnson B, Rossi N: Intrapleural bupivacaine – Technical considerations and intraoperative use. *J Cardiothorac Anesth* 3:139-143, 1989
444. Symreng T, Gomez MN, Rossi N: Intrapleural bupivacaine vs. saline after thoracotomy - Effects on pain and lung function - a double-blind study. *J Cardiothorac Anesth* 3:144-149, 1989
445. Tamsen A, Hartvig P, Dahlstrom B, Lindstrom B, Holmdahl MH: Patient controlled analgesic therapy in the early postoperative period. *Acta Anaesth Scand* 23:462-470, 1979
446. Tamsen A, Hartvig P, Fagerlund C, Dahlstrom B, Bondesson U: Patient-controlled analgesic therapy: Clinical experience. *Acta Anaesth Scand* 74:157-160, 1982
447. Tanaka M, Watanabe S, Endo T, Okane M, Hamaya Y: Combination of epidural morphine and fentanyl for postoperative analgesia. *Reg Anesth* 16:214-217, 1991
448. Tartiere J, Delassus P, Sillard B, Sillard B, Samii K, Bricard H: Intrapleural bupivacaine analgesia after thoracoabdominal incision for esophagectomy. *Anesthesiology* 71:A664, 1989
449. Tauzin-Fin P, Maurette P, Vincon G, Hecquet D, Haudek MC, Bonnet F: Clinical and pharmacokinetic aspects of the combination of meperidine and prilocaine for spinal anaesthesia. *Can J Anaesth* 39:655-660, 1992
450. Teddy PJ, Fabinyi GC, Kerr JH, Briggs M: Bupivacaine infiltration after lumbar laminectomy: Local infiltration in the control of early postoperative lumbar laminectomy pain. *Anaesthesia* 36:380-383, 1981
451. Tetzlaff J, Yoon H, Brems J: Patient acceptance of interscalene block for shoulder surgery. *Reg Anesth* 18:30-33, 1993
452. Thind GS, Wells JCD, Wilkes RG: The effects of continuous intravenous naloxone on epidural morphine analgesia. *Anaesthesia* 41:582-585, 1986
453. Thomas DFM, Lambert WG, Williams KL: The direct perfusion of surgical wounds with local anaesthetic solution: An approach to postoperative pain? *Ann Royal Coll Surg Eng* 65:226-229, 1983
454. Thomas DW, Owen H: Patient-controlled analgesia - the need for caution. *Anaesthesia* 4:770-772, 1988
455. Tierney E, Lewis G, Hurtig JB, Johnson D: Femoral nerve block with bupivacaine 0.25 per cent for postoperative analgesia after open knee surgery. *Can J Anaesth* 34:455-458, 1987
456. Timmons ME, Bower FL: Effect of structured preoperative teaching on patients' use of patient-controlled analgesia (PCA) and their management of pain. *Orthoped Nurs* 12:23-31, 1993
457. Tittle MB, Long MC, McMillan SC: Measurement of pain in postoperative abdominal surgery patients. *Applied Nursing Res* 5:26-28, 1992
458. Tobias JD: Analgesia after thoracotomy in children: A comparison of interpleural, epidural, and intravenous analgesia. *South Med J* 84:1458-1461, 1991
459. Tobias JD, Deshpande JK, Wetzel RC, Solca M: Intrathecal morphine as an adjunct to anesthesia for head and neck surgery. *South Med J* 83:649-652, 1990
460. Tree-Trakarn T, Pirayavaraporn S: Postoperative pain relief for circumcision in children: Comparison among morphine, nerve block, and topical analgesia. *Anesthesiology* 62:519-522, 1985
461. Trotter TN, Hayes-Gregson P, Robinson S, Cole L, Coley S, Fell D: Wound infiltration of local anaesthetic after lower segment caesarean section. *Anaesthesia* 46:404-407, 1991

462. Tsui SL, Chan CS, Chan AS, Wong SJ, Lam CS, Jones RD: Postoperative analgesia for oesophageal surgery: A comparison of three analgesic regimens. *Anaesth Intens Care* 19:329-337, 1991
463. Tuman KJ, McCarthy RJ, March RJ, DeLaria GA, Patel RV, Ivankovich AD: Effects of epidural anesthesia and analgesia on coagulation and outcome after major vascular surgery. *Anesth Analg* 73:696-704, 1991
464. Turner K, Sandler A, Vosu H, Daley D, Slavchenko P, Lau L: Respiratory pattern in post-caesarean patients after epidural or intramuscular morphine. *Anesth Analg* 68:S296, 1989
465. Tverskoy M, Cozakov C, Ayache M, Bradley EL Jr, Kissin I: Postoperative pain after inguinal herniorrhaphy with different types of anesthesia. *Anesth Analg* 70:29-35, 1990
466. Uhrbrand B, Jensen TT, Bendixen DK, Hartmann-Andersen JF: Perioperative analgesia by 3-in-one block in total hip arthroplasty: Prospective randomized blind study. *Acta Orthopaed Belg* 58:417-419, 1992
467. Ullman D, Fortune J, Greenhouse B, Wimpy R, Kennedy T: The treatment of patients with multiple rib fractures using continuous thoracic epidural narcotic infusion. *Regional Anesthesia* 14:43-47, 1989
468. Vade Boncouer TR, Riegler FX, Gault RS, Weinberg GL: A randomized, double-blind comparison of the effects of interpleural bupivacaine and saline on morphine requirements and pulmonary function cholecystectomy. *Anesthesiology* 71:339-343, 1989
469. Valley RD, Bailey AG: Caudal morphine for postoperative analgesia in infants and children: A report of 138 cases. *Anesth Analg* 72:120-124, 1991
470. VanDercar DH, Martinez AP, De Lisser EA: Sleep apnea syndromes: A potential contraindication for patient-controlled analgesia. *Anesthesiology* 74:623-624, 1991
471. Vandermeersch E: Epidural patient controlled analgesia with bupivacaine and sufentanil. *Acta Anaesth Belg*, 43:71-74, 1992
472. van Essen EJ, Bovill JG, Ploeger EJ: Extradural clonidine does not potentiate analgesia produced by extradural morphine after meniscectomy. *Br J Anaesth* 66:237-241, 1991
473. van Raay JJ, Roukema JA, Lenderink BW: Intraoperative wound infiltration with bupivacaine in patients undergoing elective cholecystectomy. *Arch Surg* 127:457-459, 1992
474. Vanstrum GS, Bjornson KM, Ilko R: Postoperative effects of intrathecal morphine in coronary artery bypass surgery. *Anesth Analg* 67:261-267, 1988
475. Vater M, Wandless J: Caudal or dorsal nerve block? A comparison of two local anaesthetic techniques for postoperative analgesia following day case circumcision. *Acta Anaesth Scand* 29:175-179, 1985
476. Verborgh C, Van der Auwera D, Camu F: Meptazinol for postoperative pain relief in man: Comparison of extradural and i.m. administration. *Br J Anaesth* 59:1134-1139, 1987
477. Vercauteren M, Lauwers E, Meert T, De Hert S, Adriaensen H: Comparison of epidural sufentanil plus clonidine with sufentanil alone for postoperative pain relief. *Anesthesia* 45:531-534, 1990
478. Veyckemans F: Patient-controlled analgesia in children. *Acta Anaesth Belg* 43:57-61, 1992
479. Vinik HR, Hammonds W, Lett A: Patient controlled analgesia combined with continuous infusion (CI). *Anesth Analg* 70:S418, 1990
480. Wahab A, Ibrahim M, Farag H, Naguib M: Epidural morphine for pain relief after lumbar laminectomy. *Spine* 11:1024-1026, 1986
481. Waikakul W, Chumniprasas K: Direct epidural morphine injection during lumbar discectomy for postoperative analgesia. *J Medical Assoc Thailand* 75:428-433, 1992
482. Wallin G, Cassuto J, Hogstrom S, Rimback G, Faxen A, Tollesson PO: Failure of epidural anesthesia to prevent postoperative paralytic ileus. *Anesthesiology* 65:292-297, 1986
483. Wang JM, Knarr DC, Raj PP, Denson D: Continuous epidural methadone for the management of postoperative pain after lower abdominal surgery. *Reg Anesth* 17:26-28, 1992
484. Warfield CA, Stein JM, Frank HA: The effect of transcutaneous electrical nerve stimulation after thoracotomy. *Ann Thorac Surg* 39:462-465, 1985
485. Wasylak TJ, Abbott FV, English MJ, Jeans ME: Reduction of postoperative morbidity following patient-controlled morphine. *Can J Anaesth* 37:726-731, 1990
486. Watcha MF, Jones MB, Lagueruela RG, Schweiger C, White PF: Comparison of ketorolac and morphine as adjuvants during pediatric surgery. *Anesthesiology* 76:368-372, 1992
487. Watcha MF, Remirez-Ruiz M, White PF, Jones MB, Lagueruela RG, Terkonda RP: Perioperative effects of oral ketorolac and acetaminophen in children undergoing bilateral myringotomy. *Can J Anaesth* 39:649-654, 1992
488. Wattwil M, Thoren T, Hennerdal S, Garvill JE: Epidural analgesia with bupivacaine reduces postoperative paralytic ileus after hysterectomy. *Anesth Analg* 68:353-358, 1989

489. Weightman WM: Respiratory arrest during epidural infusion of bupivacaine and fentanyl. *Anaesth Intens Care* 19:282-284, 1991
490. Weis OF, Sriwatanakul K, Alloza JL, Weintraub M, Lasagna L: Attitudes of patients, housestaff, and nurses toward postoperative analgesic care. *Anesth Analg* 62:70-74, 1983
491. Welch DB, Hrynaszkiewicz A: Postoperative analgesia using epidural methadone: Administration by the lumbar route for thoracic pain relief. *Anaesthesia* 36:1051-1054, 1981
492. Welch EA: On-demand analgesia: A double-blind comparison of on-demand intravenous fentanyl with regular intramuscular morphine. *Anaesthesia* 38:19-25, 1983
493. Welch EA: The optimum concentration for epidural fentanyl: A randomised, double-blind comparison with and without 1:200 000 adrenaline. *Anaesthesia* 38:1037-1041, 1983
494. Welch EA, Breen DP: Patient-controlled on-demand epidural fentanyl: a comparison of patient-controlled on-demand fentanyl delivered epidurally or intravenously. *Anaesthesia* 46:438-441, 1991
495. Welch EA, Thornton JA: Continuous thoracic epidural fentanyl: A comparison of epidural fentanyl with intramuscular papaveretum for postoperative pain. *Anaesthesia* 37:309-316, 1982
496. Weldon BC, Connor M, White PF: Pediatric PCA: The role of concurrent opioid infusions and nurse-controlled analgesia. *Clin J Pain* 9:26-33, 1993
497. Welte M, Haimerl E, Groh J, Briegel J, Sunder-Plas L, Herz A, Peter K, Stein C: Effect of interpleural morphine on postoperative pain and pulmonary function of thoracotomy. *Br J Anaesth* 69:637-639, 1992
498. Wheatley RG, Madej TH, Jackson IJB, Hunter D: The first year's experience of an acute pain service. *Br J Anaesth* 67:353-359, 1991
499. Wheatley RG, Shepherd D, Jackson IJ, Madej TH, Hunter D: Hypoxaemia and pain relief after upper abdominal surgery: Comparison of i.m. and patient-controlled analgesia. *Br J Anaesth* 69:558-561, 1992
500. White PF: Mishaps with patient-controlled analgesia. *Anesthesiology* 66:81-83, 1987
501. White PF: Use of patient-controlled analgesia for management of acute pain. *JAMA* 259:243-247, 1988
502. White PF, Parker RK: Is the risk of using "basal" infusion with patient-controlled analgesia therapy justified? *Anesthesiology* 76:489, 1992
503. Wilder-Smith CH, Schuler L: Postoperative analgesia: Pain by choice? The influence of patient attitudes and patient education. *Pain* 50:257-262, 1992
504. Willer JC, Bergeret S, Gaudy JH: Epidural morphine strongly depresses nociceptive flexion reflexes in patients with postoperative pain. *Anesthesiology* 63:675-680, 1985
505. Wilson JF, Brockopp GW, Kryst S, Steger H, Witt WO: Medical students' attitudes toward pain before and after a brief course on pain. *Pain* 50:251-256, 1992
506. Wolf AR, Hughes D, Hobbs AJ, Prys-Roberts C: Combined morphine-bupivacaine caudals for reconstructive penile surgery in children: Systemic absorption of morphine and postoperative analgesia. *Anaesth Intens Care* 19:17-21, 1991
507. Wolf AR, Hughes D, Wade A, Mather SJ, Prys-Roberts C: Postoperative analgesia after paediatric orchidopexy: Evaluation of a bupivacaine-morphine mixture. *Br J Anaesth* 64:430-435, 1990
508. Woods MP, Rayburn WF, McIntosh DG, Scott JC Jr, Smith ML, Anderson JR: Nalbuphine after major gynecologic surgery: Comparison of patient-controlled analgesia and intramuscular injections. *J Reprod Med* 36:647-650, 1991
509. Writer WD, Hurtig JB, Evans D, Needs RE, Hope CE, Forrest JB: Epidural morphine prophylaxis of postoperative pain: Report of a double-blind multicentre study. *Can Anaesth Soc J* 32:330-338, 1985
510. Wulf H, Striepling E: Postmortem findings after epidural anaesthesia. *Anaesthesia* 45:357-361, 1990.
511. Wust HJ, Bromage PR: Delayed respiratory arrest after epidural hydromorphone. *Anaesthesia* 42:404-406, 1987
512. Yamaguchi H, Watanabe S, Harukuni I, Hamaya Y: Effective doses of epidural morphine for relief of postcholecystectomy pain. *Anesth Analg* 72:80-83, 1991
513. Yamaguchi H, Watanabe S, Motokawa K, Ishizawa Y: Intrathecal morphine dose-response data for pain relief after cholecystectomy. *Anesth Analg* 70:168-171, 1990
514. Yeager MP, Glass DD, Neff RK, Brinck-Jonsen T: Epidural anesthesia and analgesia in high-risk surgical patients. *Anesthesiology* 66:729-736, 1987
515. Yeoman PM, Cooke R, Hain WR: Penile block for circumcision? A comparison with caudal blockade. *Anaesthesia* 38:862-866, 1983
516. Youngstrom PC, Cowan RI, Sutheimer C, Eastwood DW, Yu JC: Pain relief and plasma concentrations from epidural and intramuscular morphine in post Cesarean patients. *Anesthesiology* 57:404-409, 1982
517. Zenz M, Piepenbrock S, Otten B, Otten G, Neuhaus R: Epidural morphine analgesia: I. Postoperative phase. *Anaesthesia* 30:77-82, 1981

518. Zimmerman DL, Stewart J: Postoperative pain management and acute pain service activity in Canada. *Can J Anaesth* 40:568-575, 1993
519. Zwarts SJ, Hasenbos MA, Gielen MJ, Kho HG: The effect of continuous epidural analgesia with sufentanil and bupivacaine during and after thoracic surgery on the plasma cortisol concentration and pain relief. *Reg Anesth* 14:183-188, 1989