

MEDLINE search strategy for Bispectral Index, Narcotrend and E-Entropy used in systematic review of patient outcomes

1. ("E-Entropy" or "M-Entropy" or Narcotrend).mp.
2. (entropy adj5 (module* or technolog* or system* or monitor* or machine*)).tw.
3. (entropy adj2 (state or response or spectral)).tw.
4. 2 or 3
5. 1 or 4
6. monitoring intraoperative/
7. consciousness monitors/
8. ("automated responsiveness" and (monitor* or measur* or machine*)).tw.
9. sedation monitor*.tw.
10. sedation measurement*.tw.
11. exp Anesthesia, General/
12. exp Anesthetics, General/
13. (an?esthetic* or an?esthesia or an?esthetist*).tw.
14. Intraoperative Period/
15. Anesthesia, Intravenous/
16. Anesthetics, Inhalation/
17. Anesthesiology/
18. exp Infusions, Intravenous/
19. Surgical Procedures, Operative/
20. General Surgery/
21. (surgery or surgical).tw.
22. Perioperative Period/
23. Signal Processing, Computer-Assisted/
24. Intraoperative Complications/
25. Perioperative Care/
26. Monitoring, Physiologic/
27. Adjuvants, Anesthesia/
28. Electromyography/
29. exp Electroencephalography/
30. Mental Recall/
31. Wakefulness/
32. Consciousness/
33. Perception/
34. Intraoperative Awareness/ or Awareness/
35. Arousal/
36. Deep Sedation/
37. Conscious Sedation/
38. Drug Therapy, Computer-Assisted/
39. Pain Measurement/
40. cerebral cortex/de
41. Evoked Potentials/ or Evoked Potentials Auditory/
42. Signal Processing, Computer-Assisted/
43. (surgery or surgical or operating or operation*1).tw.
44. (intraoperative* or "intra-operative*" or "intra operative*").tw.

45. (perioperative* or "peri-operative*" or "peri operative*").tw.
46. "depth of anaesthesia monitor*".tw.
47. "depth of anesthesia monitor*".tw.
48. "Anesthesia and Analgesia"/
49. Postoperative Period/
50. (postoperative or post?operative).tw.
51. (recall* or aware* or memory or memories or wake* or awake* or arous* or cry* or sweat* or tear*1 or dream* or remember* or movement* or grimac*).tw.
52. EEG or EMG or FEMG or encephalogra* or electroencephalogra* or electromyogra*).tw.
53. Brice.tw.
54. or/6-53
55. 5 and 54
56. limit 55 to (english language and yr="1995 -Current")
57. animals/
58. 56 not 57
59. (letter or comment or editorial).pt.
60. 58 not 59
61. crystal*.tw.
62. 60 not 61
63. coma/ or coma.tw.
64. 62 not 63
65. (("bispectral Index" or "bi-spectral index" or "bi spectral index") adj5 (module* or technolog* or system* or monitor* or machine*)).mp.
66. ((BIS or BISx) adj5 (module* or technolog* or system* or monitor* or machine*)).mp.
67. (anesth* adj20 (BIS or BISx)).tw.
68. (anaesth* adj20 (BIS or BISx)).tw.
69. or/65-68
70. "behavio?ral inhibition system".tw.
71. 69 not 70
72. ((surg* adj20 "BIS") or "BISx").tw.
73. 71 or 72
74. 54 and 73
75. limit 74 to (English language and humans and yr="2009 - 2011")
76. 75 not 59
77. 76 not 64
78. Anesthesia, Local/
79. (local adj1 an?esth*).tw.
80. 78 or 79
81. 77 not 80

NB. Search for BIS studies was performed separately from Narcotrend and E-Entropy, hence the inclusion of BIS terms at the end of the strategy (from line 65 onwards).

MEDLINE search strategy for Bispectral Index, Narcotrend and E-Entropy used in systematic review of cost-effectiveness

1. ("E-Entropy" or "M-Entropy" or Narcotrend).mp. (73)
2. (entropy adj5 (module* or technolog* or system* or monitor* or machine*)).tw. (380)
3. (entropy adj2 (state or response or spectral)).tw. (300)
4. 2 or 3 (604)
5. 1 or 4 (662)

6. monitoring intraoperative/ (13,101)
7. consciousness monitors/ (119)
8. ("automated responsiveness" and (monitor* or measur* or machine*)).tw. (4)
9. sedation monitor*.tw. (46)
10. sedation measurement*.tw. (6)
11. exp Anesthesia, General/ (46,626)
12. exp Anesthetics, General/ (98,559)
13. (an?esthetic* or an?esthesia or an?esthetist*).tw. (184,909)
14. Intraoperative Period/ (11,282)
15. Anesthesia, Intravenous/ (9798)
16. Anesthetics, Inhalation/ (9572)
17. Anesthesiology/ (15,249)
18. exp Infusions, Intravenous/ (44,602)
19. Surgical Procedures, Operative/ (48,143)
20. General Surgery/ (31,636)
21. (surgery or surgical).tw. (1,018,003)
22. Perioperative Period/ (254)
23. Signal Processing, Computer-Assisted/ (30,306)
24. Intraoperative Complications/ (23,721)
25. Perioperative Care/ (6700)
26. Monitoring, Physiologic/ (41,597)
27. Adjuvants, Anesthesia/ (2653)
28. Electromyography/ (62,736)
29. exp Electroencephalography/ (113,311)
30. Mental Recall/ (25,043)
31. Wakefulness/ (13,087)
32. Consciousness/ (8829)
33. Perception/ (17,362)
34. Intraoperative Awareness/ or Awareness/ (12,290)
35. Arousal/ (26,845)
36. Deep Sedation/ (309)
37. Conscious Sedation/ (5918)
38. Drug Therapy, Computer-Assisted/ (1263)
39. Pain Measurement/ (50,337)
40. cerebral cortex/de (15,104)
41. Evoked Potentials/ or Evoked Potentials Auditory/ (57,136)
42. Signal Processing, Computer-Assisted/ (30,306)
43. (surgery or surgical or operating or operation*1).tw. (1,240,833)
44. (intraoperative* or "intra-operative*" or "intra operative*").tw. (73,745)
45. (perioperative* or "peri-operative*" or "peri operative*").tw. (45,446)
46. "depth of anaesthesia monitor*".tw. (39)
47. "depth of anesthesia monitor*".tw. (31)
48. "Anesthesia and Analgesia"/ (3320)
49. Postoperative Period/ (30,192)
50. (postoperative or post?operative).tw. (257,047)
51. (recall* or aware* or memory or memories or wake* or awake* or arous* or cry* or sweat* or tear*1 or dream* or remember* or movement* or grimac*).tw. (767,912)
52. (EEG or EMG or FEMG or encephalogra* or electroencephalogra* or electromyogra*).tw. (103,627)
53. Brice.tw. (18)
54. or/6-53 (2,633,781)
55. 5 and 54 (326)
56. limit 55 to (English language and yr="1995 -Current") (277)

57. animals/ (4,924,118)
58. 56 not 57 (259)
59. (letter or comment or editorial).pt. (1,097,745)
60. 58 not 59 (240)
61. crystal*.tw. (146,923)
62. 60 not 61 (229)
63. coma/ or coma.tw. (25,605)
64. 62 not 63 (228)
65. exp economics/ (449,064)
66. exp economics hospital/ (17,691)
67. exp economics pharmaceutical/ (2299)
68. exp economics nursing/ (3854)
69. exp economics medical/ (13,581)
70. exp "Costs and Cost Analysis"/ (161,041)
71. Cost Benefit Analysis/ (52,655)
72. exp models economic/ (8329)
73. exp fees/ and charges/ (7794)
74. exp budgets/ (11,145)
75. (economic* or cost or costs or costly or costing or price or prices or pricing or pharmacoeconomic*).
tw. (350,335)
76. (value adj1 money).tw. (20)
77. budget\$.tw. (14,911)
78. or/65-77 (681,466)
79. ((energy or oxygen) adj cost).tw. (2386)
80. (metabolic adj cost).tw. (626)
81. ((energy or oxygen) adj expenditure).tw. (13,708)
82. or/79-81 (16,090)
83. 78 not 82 (677,823)
84. (letter or editorial or comment or historical article).pt. (1,367,063)
85. 83 not 84 (624,009)
86. 64 and 85 (2)
87. 1 and 85 (0)
88. 5 and 11 and 85 (1)
89. 86 or 88 (3)
90. (entropy and device*).tw. (80)
91. 85 and 90 (7)
92. 89 or 91 (9)
93. (entropy and surg*).tw. (167)
94. 85 and 93 (6)
95. 92 or 94 (11)
96. from 95 keep 3,5,8,10 (4)
97. ("depth of an?esth*" and cost).tw. (23)
98. 97 not 96 (22)
99. ((BIS or BISx) adj5 (module* or technolog* or system* or monitor* or machine*)).mp. (951)
100. (("bispectral Index" or "bi-spectral index" or "bi spectral index") adj5 (module* or technolog* or
system* or monitor* or machine*)).mp. (533)
101. (anesth* adj20 (BIS or BISx)).tw. (584)
102. (anaesth* adj20 (BIS or BISx)).tw. (278)
103. (surg* adj20 (BIS or BISx)).tw. (424)
104. or/99-103 (1768)
105. 85 and 104 (68)
106. limit 105 to yr="2009 -Current" (9)

107. 96 or 98 or 106 (35)

108. 105 NOT 107 (51)

109. limit 108 to yr="1995 -Current" (50)

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