

Appendix 1

MEDLINE search strategy:

1. Alzheimer's/
2. Alzheimer's disease/
3. Cognitive disease/
4. Cognitive impairment*.tw.
5. Cognitive decline*. tw.
6. Cognitive changes*.tw.
7. Mild cognitive impairment*.tw.
8. Brain pathology *.tw.
9. Memory Imbalance *.tw.
10. Or /1-9
11. Early signs and symptoms/
12. Early symptoms *.tw.
13. Early signs *.tw.
14. Early presentations *.tw.
15. Early manifestations *.tw.
16. Early detection *.tw.
17. Clinical presentations/ preclinical *.tw.
18. Characteristics *.tw.
19. Clinical features*.tw.
20. Brain pathology/
- 21 .Behavioural symptoms and signs/
22. Psychological symptoms and signs/
23. Neuropsychological symptoms and signs/
24. Neuropsychiatric inventory/
25. Extrapyrarnidal symptoms/
26. Pyramidal symptoms/

27. Or /11-26
28. 25 or 27
29. Early onset Alzheimer's disease/
30. Early onset AD *.tw.
31. Early onset familial AD*.tw.
32. Early onset sporadic AD*.tw.
33. Early genetic AD*.tw.
34. Or /29-33
35. 28 or 34
35. Late onset Alzheimer's disease/
36. Late degenerative disease *.tw.
37. Late onset AD*.tw.
38. Late onset sporadic AD*.tw.
39. Late onset familial AD *.tw.
40. Or / 35-39
41. 34 or 40
42. Dementia*.tw.
42. Markers/
43. Computed tomography*.tw.
44. Cerebrospinal fluid analysis*.tw.
45. CSF*.tw.
46. Mini-mental state examination*.tw.
47. MMSE *.tw.
48. Screening *.tw.
49. Cognitive examination*.tw.
50. Magnetic resonance imaging *.tw.
51. MRI *.tw.
52. PET scan *.tw.

53. SPECT scan *.tw.
54. Or/42-53
55. 41 or 54
56. Developed countries/
57. Andorra *.tw.
58. Argentina *.tw.
59. Australia *.tw.
60. Austria *.tw.
61. Bahrain *.tw.
62. Belgium *.tw.
63. Bermuda *.tw.
64. Brunei *.tw.
65. Canada *.tw.
66. Chile *.tw.
67. Croatia *.tw.
68. Cyprus *.tw.
69. The Czech Republic *.tw.
70. Denmark *.tw.
71. Estonia *.tw.
72. Faroe Island *.tw.
73. Finland *.tw.
74. France*.tw.
75. Germany*.tw.
76. Greece*.tw.
77. Holy see (Vatican) *.tw.
78. Hong Kong *.tw.
79. Iceland *.tw
80. Ireland*.tw.

81. Israel *.tw.
82. Italy*.tw.
83. Japan*.tw.
84. Korea South*.tw.
85. Kuwait*.tw.
86. Latvia*.tw.
87. Liechtenstein *.tw.
88. Lithuania*.tw.
89. Luxembourg*.tw.
90. Malta*.tw.
91. Monaco*.tw.
92. Montenegro*.tw.
93. Netherlands*.tw.
94. New Zealand*.tw.
95. Norway*.tw.
96. Poland*.tw.
97. Portugal*.tw.
98. Qatar*.tw.
99. San Marino *.tw.
100. Saudi Arabia *.tw.
101. Singapore *.tw.
102. Slovakia*.tw.
103. Slovenia *.tw.
104. South Africa *.tw.
105. Spain*.tw.
106. Sweden*.tw.
107. Switzerland*.tw.
108. Turley*.tw.

109. United Arab Emirate*.tw.

110. United Kingdom*.tw.

111. United States*.tw.

112. OR/ 56-111.

Other databases

PSYCINFO (1806-9th May 2016): Same MeSH, keywords, limits and study types used in MEDLINE search with appropriate syntax.

Cochrane Library (CMR last update 2012): Same MeSH, keywords, and date limits used as per MEDLINE search. The adjusted syntax for Cochrane based search.

CINAHL (1937-7th May 2016): Same MeSH, keywords, and study types as used in MEDLINE with appropriate syntax.

Nursing Index (1994-7th May 2016): Same MeSH, keywords and study types as per MEDLINE search with suitable syntax.

Grey Literatures:

Dates for search: 9th May 2016. Included terms were AD, terms for cognitive impairment and limit same as databases limits.