

Guideline topic: Late effects of cancer in children

General comments

Search coverage

Patient searches

Databases covered: Medline, Embase, Cinahl, PsychInfo Dates covered: 2000-current

Guidelines

Guidelines evaluated using AGREE instrument:

Systematic reviews 2000-current

Databases covered: Medline, Embase, Cinahl, Science Direct Dates covered:

RCTs as above

Databases covered: Dates covered:

Observational studies as above

Databases covered: Dates covered:

Economic studies

Databases covered: Dates covered:

Search strategies

The following are listings of the main Medline strategies used for this guideline. All conventions and symbols are from the Ovid implementation of Medline. Strategies used in other databases were substantially the same, though different terminology may have been used to take account of different thesaurii used in non-Medline databases.

Search filters were added to identify studies of a particular type (guideline, systematic review, etc.) Listings of the search filters used by SIGN can be found on the SIGN Web site.

Main stem

Used initially the same one as in previous Guideline. Searching was then re-run using the following which proved more sensitive and specific

Previous Main Stem

main stem

1. neoplasms.mp. or exp Neoplasms/
2. leukemia.mp. or exp Leukemia/
3. brain neoplasms.mp. or exp Brain Neoplasms/
4. neuroectodermal tumors.mp. or exp "Neoplasms, Germ Cell and Embryonal"/ or exp Neuroectodermal Tumors/
5. Glioma, Subependymal/ or glioma.mp. or exp Glioma/ or Optic Nerve Glioma/
6. meningioma.mp. or exp Meningioma/
7. neurilemmoma.mp. or exp Neurilemmoma/
8. glioblastoma.mp. or *Glioblastoma/
9. pituitary neoplasms.mp. or *Pituitary Neoplasms/
10. choroid plexus neoplasms.mp. or *Choroid Plexus Neoplasms/
11. ganglioneuroblastoma.mp. or *Ganglioneuroblastoma/
12. lymphoma.mp. or *Lymphoma/
13. hemangioblastoma.mp. or *Hemangioblastoma/
14. or/1-13
15. cancer\$.tw.
16. leuk?mia.tw.
17. acute lymphoblast\$.tw.
18. acute myeloid.tw.
19. acute non myeloid.tw.
20. chronic myeloid.tw.
21. myelodysplasia.tw.
22. primitive neuroectodermal tum?r.tw.
23. pnet.tw.
24. ependymoma\$.tw.
25. astrocytoma\$.tw.
26. oligodendroglioma\$.tw.
27. glioma\$.tw.
28. or/15-27
29. pilocytic astrocytoma\$.tw.
30. meningioma\$.tw.
31. schwannoma\$.tw.
32. vestibular neuroma\$.tw.
33. acoustic neuroma\$.tw.
34. dysembryoplastic neuroepithelial tum?r\$.tw.
35. dnet.tw.

36. glioblastoma multiforme.tw.
37. giant cell astrocytoma\$.tw.
38. pituitary adenoma\$.tw.
39. choroid plexus papilloma\$.tw.
40. choroid plexus carcinoma\$.tw.
41. medulloblastoma\$.tw.
42. gangliocytoma\$.tw.
43. ganglioglioma\$.tw.
44. ganglioneuroblastoma\$.tw.
45. meningeal sarcoma\$.tw.
46. neurofibroma\$.tw.
47. neurofibroma\$.tw.
48. lymphoma\$.tw.
49. haemangioblastoma\$.tw.
50. hemangioblastoma\$.tw.
51. or/29-50
52. hodgkin disease.mp. or *Hodgkin Disease/
53. wilms tum?r\$.tw.
54. wilms tumour.mp.
55. neuroblastoma.mp. or *Neuroblastoma/
56. exp Osteosarcoma/ or osteosarcoma.mp.
57. rhabdomyosarcoma.mp. or exp Rhabdomyosarcoma/
58. craniopharyngioma.mp. or *Craniopharyngioma/
59. *Retinoblastoma/ or retinoblastoma.mp.
60. carcinoma, hepatocellular.mp. or *Carcinoma, Hepatocellular/
61. hepatoma.mp.
62. hepatoblastoma.mp. or *Hepatoblastoma/
63. renal carcinoma.mp.
64. renal tum?r\$.mp.
65. teratoma.mp. or *Teratoma/
66. testicular neoplasms.mp. or *Testicular Neoplasms/
67. ovarian neoplasms.mp. or *Ovarian Neoplasms/
68. or/52-67
69. radiotherapy.mp. or exp Radiotherapy/
70. drug therapy.mp. or exp Drug Therapy/
71. radiotherap\$.tw.
72. drug therap\$.tw.
73. chemotherapy.mp.

74. chemotherap\$.tw.
75. drug treatment.tw.
76. cancer therap\$.mp.
77. cancer treatment\$.mp.
78. anthracyclines.mp. or exp Anthracyclines/
79. mitoxantrone.mp. or exp Mitoxantrone/
80. anthracycline\$.tw.
81. daunorubicin.tw.
82. doxorubicin.tw.
83. idarubicin.tw.
84. mitozantrone.tw.
85. methotrexate.mp.
86. cyclophosphamide.mp.
87. cytarabine.mp.
88. busulpan.mp.
89. vp16.mp.
90. etoposide.mp.
91. prednisolone.mp. or *Prednisolone/
92. *Dexamethasone/ or dexamethasone.mp.
93. asparaginase.mp. or *Asparaginase/
94. vincristine.mp. or *Vincristine/
95. thiopurine.mp.
96. thioguanine.mp. or *Thioguanine/
97. melphalan.mp. or *Melphalan/
98. whole-body irradiation.mp. or *Whole-Body Irradiation/
99. total body irradiation.mp.
100. *Stem Cell Transplantation/ or stem cell treatment.mp. or *Hematopoietic Stem Cell Transplantation/
101. *Bone Marrow Transplantation/ or *Graft vs Host Reaction/
102. *antineoplastic agents/ or *angiogenesis inhibitors/ or *antibiotics, antineoplastic/ or *anticarcinogenic agents/ or *antimetabolites, antineoplastic/ or *antimitotic agents/ or *antineoplastic agents, alkylating/ or *antineoplastic agents, hormonal/ or *antineoplastic agents, phytogetic/ or *myeloablative agonists/
103. *Antineoplastic Combined Chemotherapy Protocols/ or *Combined Modality Therapy/ or chemoradiation.mp.
104. or/69-103
105. childhood cancer\$.tw.
106. pediatric cancer\$.tw.

107. paediatric cancer\$.tw.
108. teenage\$ cancer\$.tw.
109. adolescent\$ cancer\$.tw.
110. young people with cancer\$.tw.
111. young person\$ with cancer\$.tw.
112. juvenile cancer\$.tw.
113. infant cancer\$.tw.
114. neonat\$ cancer.tw.
115. newborn cancer\$.tw.
116. or/105-115
117. limit 14 to ("newborn infant (birth to 1 month)" or "infant (1 to 23 months)" or "preschool child (2 to 5 years)" or "child (6 to 12 years)" or "adolescent (13 to 18 years)")
118. limit 28 to ("newborn infant (birth to 1 month)" or "infant (1 to 23 months)" or "preschool child (2 to 5 years)" or "child (6 to 12 years)" or "adolescent (13 to 18 years)")
119. limit 51 to ("newborn infant (birth to 1 month)" or "infant (1 to 23 months)" or "preschool child (2 to 5 years)" or "child (6 to 12 years)" or "adolescent (13 to 18 years)")
120. limit 68 to ("newborn infant (birth to 1 month)" or "infant (1 to 23 months)" or "preschool child (2 to 5 years)" or "child (6 to 12 years)" or "adolescent (13 to 18 years)")
121. limit 104 to ("newborn infant (birth to 1 month)" or "infant (1 to 23 months)" or "preschool child (2 to 5 years)" or "child (6 to 12 years)" or "adolescent (13 to 18 years)")
122. or/117-121
123. heart disease.mp. or exp Heart Diseases/
124. cardiac disease.mp.
125. thyroid gland.mp. or *Thyroid Gland/
126. exp Hypothyroidism/ or hypothyroidism.mp.
127. cognition disorders.mp. or *Cognition Disorders/
128. (cogn\$ adj function\$.tw.
129. *Child Behavior Disorders/ or behavioral disorders.mp.
130. affective disorders.mp. or *Mood Disorders/
131. **Attention Deficit and Disruptive Behavior Disorders"/ or *Attention Deficit Disorder with Hyperactivity/ or hyperactivity.mp.
132. memory disorders.mp. or *Memory Disorders/
133. memory.mp. or *Memory/
134. mental disorders.mp. or *Mental Disorders/
135. psychosocial.mp.
136. exp Psychology/
137. *Educational Measurement/

138. *Achievement/ or *Educational Status/ or *Learning Disorders/ or *Schools/ or scholastic.mp. or *Learning/ or *Intelligence/
139. or/123-138
140. exp Osteoporosis/ or osteoporosis.mp.
141. osteop\$.tw.
142. bone density.mp. or exp Bone Density/
143. (bone adj minerali?ation).tw.
144. dentition.mp. or exp Dentition, Mixed/ or exp Dentition/ or exp Dentition, Primary/ or exp Dentition, Permanent/
145. tooth diseases.mp. or exp Tooth Diseases/
146. exp Maxillofacial Development/ or exp Odontogenesis/ or exp "Tooth Root"/ or dental growth.mp.
147. dental growth.mp.
148. tooth development.mp.
149. *Molar/ or tooth development.mp. or *Tooth Germ/ or *Dental Enamel/
150. caries.mp. or *Dental Caries/ or *"Root Caries"/ or *Dental Caries Susceptibility/
151. *hearing/ or *smell/ or *taste/ or *temperature sense/ or *touch/ or *vision, ocular/ or *color vision/ or *night vision/
152. *Growth Hormone/ or *Growth Inhibitors/ or Growth/ or *Growth Disorders/ or *Growth Plate/ or *Growth Hormone-Releasing Hormone/ or *Growth Charts/
153. *body constitution/ or *gait/ or *muscle strength/
154. movement disorders/ or *akathisia, drug-induced/ or *dyskinesias/ or *dystonic disorders/
155. or/140-154
156. 139 or 155
157. fertility.mp. or exp Fertility Agents/ or exp Fertility/ or exp Fertility Agents, Male/ or exp Fertility Agents, Female/
158. exp Pregnancy/ or exp Pregnancy Complications/ or exp Birth Rate/ or childbearing.mp. or exp Parity/
159. exp Fetus/ or exp Teratogens/ or exp Abnormalities, Drug-Induced/ or exp Congenital Abnormalities/ or teratogenicity.mp.
160. birth defects.mp. or exp Congenital Abnormalities/
161. or/157-160
162. 156 or 161
163. 162 and 122
164. limit 163 to (abstracts and english language and humans and yr="2002 -Current")

Revised Main Stem

1. *Neoplasms, Second Primary/
2. (secondary adj canc\$).mp.
3. *Neoplasm Recurrence, Local/
4. *Neoplasms, Radiation-Induced/
5. *Neoplasms, Radiation-Induced/
6. (secondary adj2 malig\$).mp.
7. (secondary adj2 primar\$).mp.
8. (treatment adj associated adj cancer).mp.
9. (treatment adj associated adj neopl\$).mp.
10. (therapy adj associated adj cancer).mp.
11. (therapy adj associated adj neoplas\$).mp.
12. *neoplasms, hormone-dependent/ or *neoplasms, multiple primary/ or *neoplasms, post-traumatic/ or *paraneoplastic syndromes/ or *pregnancy complications, neoplastic/
13. treatment associated cancer.mp.
14. "DNA Mutational Analysis"/
15. DNA damage.mp. or *DNA Damage/
16. metachronous neoplasms.mp.
17. metachronous.mp.
18. (radiation adj induced).mp.
19. (subsequent adj (neoplas or cancer)).mp.
20. (cancer adj surviv\$).mp.
21. carcinogen\$.mp.
22. **Antineoplastic Agents"/ae [Adverse Effects]
23. **Anthracyclines"/ae [Adverse Effects]
24. "Neoplasms"/dt [Drug Therapy]
25. or/1-24
26. limit 25 to (abstracts and english language and humans and yr="2000 -Current")