

Appendix 1: Search Strategy: MEDLINE (Ovid)

- 1 *MENINGEAL CARCINOMATOSIS/*
- 2 *MENINGEAL NEOPLASMS/sc*
- 3 *(leptomeningeal adj3 disease*).ti,kf.*
- 4 *(leptomenin* adj3 (carcinoma* or metastas*)).ti,kf.*
- 5 *(neoplastic adj3 meningiti*).ti,kf.*
- 6 *(meningeal* adj3 (metastas* or carcinoma*)).ti,kf.*
- 7 *(leptomening* adj3 disseminat*).ti,kf.*
- 8 *((leptomeningeal adj3 disease*) or (leptomenin* adj3 (carcinoma* or metastas*)) or (neoplastic adj3 meningiti*) or (leptomening* adj3 disseminat*) or (meningeal* adj3 (metastas* or carcinoma*))).ab.*
- 9 *or/1-8 [LMD terms]*
- 10 *MENINGEAL CARCINOMATOSIS/rt*
- 11 *MENINGEAL NEOPLASMS/rt*
- 12 *exp RADIOTHERAPY/*
- 13 *RADIATION/*
- 14 *(radiotherap* or radio-therap*).ti,kf.*
- 15 *(radiat* or irradiat* or reirradiat* or re-irradiat*).ti,kf.*
- 16 *(radiosurg* or radio-surg*).ti,kf.*
- 17 *(chemoradiotherap* or chemo-radiotherap* or radioimmunotherap* or radio-immunotherap*).ti,kf.*
- 18 *WBRT.ti,kf.*
- 19 *(((leptomeningeal adj3 disease*) or LMD or (leptomenin* adj3 (carcinoma* or metastas*)) or (neoplastic adj3 meningiti*) or (leptomening* adj3 disseminat*) or (meningeal* adj3 (metastas* or carcinoma*))) and (radiotherap* or radio-therap* or radiat* or irradiat* or reirradiat* or re-irradiat* or radiosurg* or radio-surg* or chemoradiotherap* or chemo-radiotherap* or radioimmunotherap* or radio-immunotherap*)).ab. [terms in abstract]*
- 20 *or/10-19*
- 21 *9 and 20*
- 22 *exp TREATMENT OUTCOME/*
- 23 *SURVIVAL/*
- 24 *exp SURVIVAL ANALYSIS/*
- 25 *SURVIVAL RATE/*
- 26 *Kaplan-Meier.ab.*
- 27 *(surviv* or mortalit* or outcome* or prognos*).ti,kf.*

28 *((leptomeningeal adj3 disease*) or (leptomenin* adj3 (carcinomatos* or metastas*)) or (neoplastic adj3 meningiti*) or (leptomening* adj3 disseminat*) or (meningeal* adj3 (metastas* or carcinoma*))) and (surviv* or mortalit* or outcome* or prognos*).ab.*

29 *or/22-28*

30 *21 and 29 [LMD + RT + survival/outcome]*

31 *(animals not (human and animals)).sh.*

32 *30 not 31*

33 *limit 32 to english language*

34 *case reports.pt. or "case report".ti.*

35 *review.pt. or review.ti.*

36 *34 not 35 [case reports not part of a review]*

37 *33 and 36 [case reports]*

38 *33 not 37 [publications other than case reports]*