

Supplementary Tables SI. Details of Search Strategy

Pubmed

#	Search Terms	Hits
#1	((((((((((Central Nervous System Neoplasms[MeSH Terms]) OR (Central Nervous System Neoplasms[Title/Abstract])) OR (Neoplasms, Central Nervous System[Title/Abstract])) OR (Central Nervous System Tumors[Title/Abstract])) OR (Tumors, Central Nervous System[Title/Abstract])) OR (CNS Neoplasms[Title/Abstract])) OR (Neoplasm, CNS[Title/Abstract])) OR (Neoplasms, CNS[Title/Abstract])) OR (CNS Neoplasm[Title/Abstract])) OR (Central Nervous System Tumor[Title/Abstract])) OR (Central Nervous System Neoplasm[Title/Abstract])) OR (Central Nervous System Neoplasms, Primary[Title/Abstract])) OR (Primary Central Nervous System Neoplasms[Title/Abstract])) OR (Primary Central Nervous System Neoplasm[Title/Abstract]))	228246
#2	((((((((((Glioma[MeSH Terms])) OR (Glioma[Title/Abstract])) OR (Gliomas[Title/Abstract])) OR (Glial Cell Tumors[Title/Abstract])) OR (Glial Cell Tumor[Title/Abstract])) OR (Tumor, Glial Cell[Title/Abstract])) OR (Tumors, Glial Cell[Title/Abstract])) OR (Mixed Glioma[Title/Abstract])) OR (Glioma, Mixed[Title/Abstract])) OR (Gliomas, Mixed[Title/Abstract])) OR (Mixed Gliomas[Title/Abstract])) OR (Malignant Glioma[Title/Abstract])) OR (Glioma, Malignant[Title/Abstract])) OR (Gliomas, Malignant[Title/Abstract])) OR (Malignant Gliomas[Title/Abstract]))	137034
#3	((((((((((Glioblastoma[MeSH Terms]) OR (Glioblastoma[Title/Abstract])) OR (Glioblastomas[Title/Abstract])) OR (Astrocytoma, Grade IV[Title/Abstract])) OR (Astrocytomas, Grade IV[Title/Abstract])) OR (Grade IV Astrocytoma[Title/Abstract])) OR (Grade IV Astrocytomas[Title/Abstract])) OR (Glioblastoma Multiforme[Title/Abstract])) OR (Giant Cell Glioblastoma[Title/Abstract])) OR (Giant Cell Glioblastomas[Title/Abstract])) OR (Glioblastoma, Giant Cell[Title/Abstract])) OR (Glioblastomas, Giant Cell[Title/Abstract]))	66017
#4	#1 OR #2 OR #3	295322
#5	(((((Oncolytic viruses[MeSH Terms]) OR (Oncolytic viruses[Title/Abstract])) OR (Oncolytic Virus[Title/Abstract])) OR (Viruses, Oncolytic[Title/Abstract])) OR (Virus, Oncolytic[Title/Abstract]))	6401
#6	((((((((((Oncolytic virotherapy[MeSH Terms]) OR (Oncolytic virotherapy[Title/Abstract])) OR (Oncolytic Virotherapies[Title/Abstract])) OR (Virotherapies, Oncolytic[Title/Abstract])) OR (Oncolytic Virus Therapy[Title/Abstract])) OR (Oncolytic Virus Therapies[Title/Abstract])) OR (Therapies, Oncolytic Virus[Title/Abstract])) OR (Therapy, Oncolytic Virus[Title/Abstract])) OR (Virus Therapies, Oncolytic[Title/Abstract])) OR (Virus Therapy, Oncolytic[Title/Abstract])) OR (Virotherapy, Oncolytic[Title/Abstract]))	6619
#7	(#5 OR #6) AND #4	1154

Embase

#	Search Terms	Hits
#1	'central nervous system tumor'/exp OR 'central nervous system tumor':ab,ti OR 'central nervous system neoplasms':ab,ti OR 'central nervous system tumour':ab,ti OR 'cns tumor':ab,ti OR 'cns tumour':ab,ti	519144
#2	'glioma'/exp OR 'glioma' OR 'glioma':ab,ti OR 'brain glioma':ti,ab OR 'cerebral glioma':ti,ab OR 'ganglioglioma':ti,ab OR 'glia tumor':ti,ab OR 'glia tumour':ti,ab OR 'glial tumor':ti,ab OR 'glial tumour':ti,ab OR 'high grade glioma':ti,ab OR 'low grade glioma':ti,ab OR 'recurrent glioma':ti,ab OR 'glioma':ti,ab	236096
#3	'glioblastoma'/exp OR 'glioblastoma' OR 'anaplastic astrocytoma':ab,ti OR 'astrocytoma, anaplastic':ab,ti OR 'glioblastoma multiforme':ab,ti OR 'glioblastoma multiforme':ab,ti OR 'glioblastomas':ab,ti OR 'glyoblastoma':ab,ti OR 'malignant glioma':ab,ti OR 'glioblastoma':ab,ti	130485
#4	#1 OR #2 OR #3	543086
#5	'oncolytic virus'/exp OR 'anticancer virus':ab,ti OR 'antitumor virus':ab,ti OR 'antitumour virus':ab,ti OR 'oncolytic viruses':ab,ti OR 'virus, oncolytic':ab,ti OR 'oncolytic virus':ab,ti	15354
#6	'oncolytic virotherapy'/exp OR 'oncolytic viral therapy':ab,ti OR 'oncolytic virus therapy':ab,ti OR 'oncolytic virotherapy':ab,ti	7219
#7	#5 OR #6	16705
#8	#4 AND #7	3112
#9	#8 AND ('Article'/it OR 'Clinical Trial'/it)	1057

Web of Science

#	Search Terms	Hits
#1	(((((TS=(Central Nervous System Tumor))) OR TS=(Central Nervous System Tumor)) OR TS=(CNS Neoplasm)) OR TS=(CNS Neoplasms)) OR TS=(Central Nervous System Neoplasm)) OR TS=(Central Nervous System Neoplasms)) OR TS=(Primary Central Nervous System Neoplasms)) OR TS=(Primary Central Nervous System Neoplasm)	46380
#2	(((((TS=(Glioma)) OR TS=(Gliomas)) OR TS=(Glial Cell Tumors)) OR TS=(Glial Cell Tumor)) OR TS=(Mixed Glioma)) OR TS=(Mixed Gliomas)) OR TS=(Malignant Glioma)) OR TS=(Malignant Gliomas)	132285
#3	(((((TS=(Glioblastoma)) OR TS=(Glioblastomas)) OR TS=(Grade IV Astrocytoma)) OR TS=(Grade IV Astrocytomas)) OR TS=(Glioblastoma Multiforme)) OR TS=(Giant Cell Glioblastoma)) OR TS=(Giant Cell Glioblastomas)	94006
#4	#3 OR #2 OR #1	214395
#5	(((((TS=(Oncolytic Virus)) OR TS=(Oncolytic viruses)) OR TS=(Oncolytic virotherapy)) OR TS=(Oncolytic Virotherapies)) OR TS=(Oncolytic Virus Therapy)) OR TS=(Oncolytic Virus Therapies)	10151
#6	#4 AND #5	1011

Clinicaltrial.gov

#	Search Terms	Hits
#1	(Brain tumor OR Glioma OR Glioblastoma) AND (Oncolytic Viruses OR Oncolytic Virotherap) AND with results	6

Cochrane

#	Search Terms	Hits
#1	MeSH descriptor: [Glioma] explode all trees	2100
#2	(Glial Cell Tumors):ti,ab,kw OR (Glial Cell Tumor):ti,ab,kw OR (Gliomas):ti,ab,kw OR (Tumor, Glial Cell):ti,ab,kw OR (Tumors, Glial Cell):ti,ab,kw OR (Gliomas, Mixed):ti,ab,kw OR (Glioma, Mixed):ti,ab,kw OR (Mixed Gliomas):ti,ab,kw OR (Mixed Glioma):ti,ab,kw OR (Malignant Glioma):ti,ab,kw OR (Gliomas, Malignant):ti,ab,kw OR (Malignant Gliomas):ti,ab,kw OR (Glioma, Malignant):ti,ab,kw	2429
#3	#1 OR #2	2843
#4	MeSH descriptor: [Glioblastoma] explode all trees	1094
	(Astrocytomas, Grade IV):ti,ab,kw OR (Astrocytoma, Grade IV):ti,ab,kw OR (Glioblastomas):ti,ab,kw OR (Grade IV Astrocytoma):ti,ab,kw OR (Grade IV Astrocytomas):ti,ab,kw OR (Glioblastoma, Giant Cell):ti,ab,kw OR (Glioblastomas, Giant Cell):ti,ab,kw OR (Giant Cell Glioblastoma):ti,ab,kw OR (Giant Cell Glioblastomas):ti,ab,kw OR (Glioblastoma Multiforme):ti,ab,kw	836
#5	#4 OR #5	1564
#6	MeSH descriptor: [Central Nervous System Neoplasms] explode all trees	3710
#7	(Central Nervous System Neoplasms):ti,ab,kw OR (Central Nervous System Neoplasm):ti,ab,kw OR (Central Nervous System Tumor):ti,ab,kw OR (Central Nervous System Tumors):ti,ab,kw OR (Primary Central Nervous System Neoplasm):ti,ab,kw	2000
#8	(Primary Central Nervous System Neoplasms):ti,ab,kw OR (Neoplasms, CNS):ti,ab,kw OR (Neoplasm, CNS):ti,ab,kw OR (CNS Neoplasm):ti,ab,kw OR (CNS Neoplasms):ti,ab,kw	940
#9	(Neoplasms, Central Nervous System):ti,ab,kw OR (Tumors, Central Nervous System):ti,ab,kw OR (Central Nervous System Neoplasms, Primary):ti,ab,kw	1415
#10	#6 OR #7 OR #8 OR #9	5370
#11	MeSH descriptor: [Oncolytic Viruses] explode all trees	29
#12	(Oncolytic Viruses):ti,ab,kw OR (Oncolytic Virus):ti,ab,kw OR (Viruses, Oncolytic):ti,ab,kw OR (Virus, Oncolytic):ti,ab,kw	148
#13	#11 OR #12	148
#14	MeSH descriptor: [Oncolytic Virotherapy] explode all trees	41
#15	(Oncolytic Virotherapy):ti,ab,kw OR (Oncolytic Virotherapies):ti,ab,kw OR (Oncolytic Virus Therapies):ti,ab,kw OR (Oncolytic Virus Therapy):ti,ab,kw OR (Virus Therapy, Oncolytic):ti,ab,kw	137
#16	#14 OR #15	137
#17	(#13 OR #16) and (#3 OR #5 OR #10)	8