

Supplementary Table 3: Included studies per analysis with corresponding references

Study characteristic reporting composite outcome	Number of cohorts with references All cohorts (n=63) ¹⁻⁶²	Number of cohorts with references Neurosurgery (n=49) ^{4;6;7;10-17;19-43;45;46;48-52;54;56;58;59;61;62}	Number of cohorts with references Stereotactic Radiosurgery (n=14) ^{a 1-3;5;8;9;18;44;47;53;55;57;60}
Composite outcome event rates	32 ^{1;3-5;9;11;12;15;17-21;23;26;27;30;33;34;41;42;44-49;53-55;57}	21 ^{4;11;12;15;17;19-21;23;26;30;33;34;41;42;45;46;48;49;54}	11 ^{1;3;5;9;18;44;47;53;55;57}
Cohorts with data on: age, sex, brainstem, ICH as presenting symptom, and midyear.	*	13 ^{11;12;17;19-21;23;26;30;34;45;46;49}	8 ^{5;9;18;44;53;55;57}
Cohorts with data on: age, sex, brainstem, ICH as presenting symptom.	22 ^{4;5;9;11;12;17-21;23;26;30;34;44-46;49;53;55;57}	14 ^{4;11;12;17;19-21;23;26;30;34;45;46;49}	8 ^{5;9;18;44;53;55;57}
Cohorts with data on: age, sex, brainstem, ICH as presenting symptom, and children	8 ^{11;12;17;19;20;23;55}	6 ^{11;12;17;19;20;23}	2 ⁵⁵

ICH, intracranial hemorrhage. ^a11 using Gamma Knife ^{1-3;5;8;9;47;53;55;57;60} and in three using linear accelerator^{18;44;55}.

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