

Table S1: Descriptive statistics of continuous variables

Variable	Dogs	Mean	Standard Deviation	Median	Minimum	Maximum
Age (years)	88	8.5	2.4	8	3	14
Body weight (Kg)	88	23.2	13.5	24	3	82
KPS	88	77	11.5	80	40	90
Duration of clinical signs (days)	88	68.5	50	55	11	245

Table S2: Maintenance ACD therapy

Maintenance ACD Therapy	Number of dogs
None	24
Phenobarbital	21
Levetiracetam	9
Zonisamide	2
Phenobarbital and Levetiracetam	13
Phenobarbital and Zonisamide	3
Levetiracetam and Zonisamide	8
Three or more ACDs	8
Total	88

Table S3: p-values for original hypotheses using univariate analysis of 88 surgical procedures

Characteristic	Categories	p value
Previous structural epilepsy	Yes or No	1
Tumor location	Temporal/Piriform, Frontal, Other	.23
Additional perioperative ACD	Yes or No	.06
Duration of Hospitalization	Continuous variable	<.001
Survival to discharge	Yes or No	.01

Table S4: p-values for additional hypotheses using univariate analysis of 88 surgical procedures

Characteristic	Categories	p value
Surgical procedure	SBB, therapeutic intent	.11
Maintenance anticonvulsant	None, phenobarbital, levetiracetam or zonisamide, two or more	.13
T2W Tumor Volume	Continuous variable	.4
Tumor:Brain Volume	Ratio, continuous variable	.3
Tumor type	Glioma, meningioma, others	.0003
Tumor enhancement	None, mild, moderate, marked	.04
Brain herniation	None, subfalcine, trans-tentorial, foramen magnum, 2 or more herniations	.44
Peritumoral edema	Yes or no	.13
KPS - preoperative	Continuous variable	.05
Post op neuro complication	Yes or no	.01
post-op non neuro complication	Yes or no	.27