

Supplemental Table S1: Risk factors analysis for cranial nerve palsy after GKRS

	Univariate		Multivariate	
	OR (95%CI)	<i>p</i> value	OR (95%CI)	<i>p</i> value
age	1.08 (0.98-1.19)	0.125		
Sex				
Male	ref.			
Female	1.57 (0.15-16.09)	0.702		
WBC (Pre GKRS) (/μl)	1.001 (0.9999-1.001)	0.067		
N/L (Pre GKRS) (%)	8.3 (0.84-82.06)	0.070		
Number of target				
Single cavernous sinus	ref.			
Bilateral cavernous sinus	12.25 (1.17-128.39)	0.037*	5.35 (0.39-73.72)	0.210
Tumor volume (cc)	1.44 (0.81-2.56)	0.210		
Number of isocenter	1.38 (1.03-1.83)	0.028*	1.25 (0.91-1.72)	0.171
Maximum dose (Gy)	1.17 (0.86-1.60)	0.312		
Peripheral isodose (%)	0.90 (0.71-1.14)	0.373		
Margin dose (Gy)	0.95 (0.26-3.48)	0.935		
Rt optic nerve dosage (Gy)	1.34 (0.77-2.34)	0.295		
Lt optic nerve dosage (Gy)	0.93 (0.52-1.68)	0.818		
Chiasma dosage (Gy)	1.39 (0.51-3.80)	0.523		
Pituitary stalk dosage (Gy)	1.59 (0.53-4.79)	0.409		
Brain stem dosage (Gy)	1.42 (0.92-2.19)	0.117		
Rt lens dosage (Gy)	6.39 (0.73-55.55)	0.093		
Lt lens dosage (Gy)	7.64 (0.47-123.74)	0.153		
Rt Lacrimal gland dosage (Gy)	6.39 (0.73-55.55)	0.093		
Lt Lacrimal gland dosage (Gy)	7.64 (0.47-123.74)	0.153		
Rt lateral Cavernous sinus wall dosage (Gy)	1.14 (0.94-1.38)	0.183		
Lt lateral Cavernous sinus wall dosage (Gy)	0.93 (0.77-1.12)	0.418		
IOP at GKRS (mmHg)	1.53 (0.76-3.07)	0.236		
Schirmer's test at GKRS (mm)	1.49 (0.46-4.86)	0.510		
Percentage of Rt ICA 20Gy (%)	1.07 (0.99-1.15)	0.105		
Percentage of Rt ICA (>20Gy vs ≤20Gy)	1.54 (0.20-11.69)	0.675		
Percentage of Lt ICA 20Gy (%)	1.03 (0.95-1.12)	0.518		
Percentage of Lt ICA (>20Gy vs ≤20Gy)	0.53 (0.07-4.00)	0.534		
Embolization (Yes vs No)	3.06 (0.27-34.19)	0.365		

Logistic regression. * $p < 0.05$, ** $p < 0.01$.