

Supplementary Table S1 Variables associated with each individual case involving a meningioma lesion

Lesion Type	Primary Location	Diameter	PO	3M	12M	LFU
Meningothelial (Grade I)						
Case 1	Cavernous	49	Exo	Exo	Exo	---
Case 2	Cavernous	48	Exo	Exo	Exo	Exo
Case 3	Cavernous	38	Norm	Norm	Norm	Norm
Case 4	Cavernous	30	Exo	Exo	Exo	Exo
Case 5	Cavernous	25	Exo	Norm	Exo	---
Case 6	Clinoid	60	Norm	Norm	Norm	---
Case 7	Clinoid	29	Norm	Norm	Norm	---
Case 8	Clinoid	27	Norm	Norm	Norm	---
Case 9	Middle Fossa	40	Norm	Norm	Norm	---
Case 10	Middle Fossa	33	Norm	Norm	Norm	Norm
Case 11	Orbital	25	Norm	Norm	---	---
Case 12	Petroclival	50	Norm	Norm	Norm	Norm
Case 13	Sphenocavernous	40	Norm	Norm	Norm	Norm
Case 14	Sphenoid Wing	50	Norm	Norm	Norm	Norm
Case 15	Tuberculum	31	Norm	Norm	---	---
Case 16	Tuberculum	24	Norm	Norm	---	---
Case 17	Tuberculum	23	Norm	Norm	Norm	Norm
Case 18	Tuberculum	22	Norm	Norm	Norm	Norm
Case 19	Tuberculum	22	Norm	Norm	---	---
Secretary (Grade I)						
Case 1	Clinoid	20	Exo	Exo	Exo	---
Case 2	Middle Fossa	20	Exo	Exo	Norm	---
Transitional (Grade I)						
Case 1	Cavernous	40	Exo	Exo	Exo	Exo
Case 2	Cavernous	38	Norm	Norm	Norm	---
Case 3	Cavernous	20	Norm	Norm	Norm	---
Case 4	Petroclival	45	Norm	Norm	Norm	Norm
Case 5	Planum	23	Norm	Norm	---	---
Case 6	Planum	17	Norm	Norm	---	---
Unspecified (Grade I)						
Case 1	Cavemotentorial	41	Norm	Exo	Norm	Exo
Case 2	Cavernous	100	Exo	Exo	Exo	---
Case 3	Clinoid	40	Norm	Norm	Norm	---
Case 4	Clinoid	31	Norm	Norm	Norm	---
Case 5	Clinoid	20	Norm	Norm	---	---
Case 6	Planum Sphenoidale	27	Norm	Exo	Norm	---
Case 7	Tuberculum	28	Norm	Norm	Exo	Norm
Atypical (Grade II)						
Case 1	Cavemoclival	67	Norm	Norm	---	---
Case 2	Cavemopetroclival	65	Norm	Norm	Norm	---
Case 3	Cavernous	53	Exo	---	---	Exo
Case 4	Cavernous	51	Norm	Norm	Norm	---
Case 5	Cavernous	40	Norm	---	---	Exo
Case 6	Sphenocavernous	60	Exo	Exo	Exo	Norm
Case 7	Tuberculum	26	Norm	Norm	---	---
Unspecified (Grade II)						
Case 1	Middle Fossa	56	Exo	Exo	---	---

A list of the lesion locations (primary location) and maximum lesion diameters (diameter) recorded for each individual case involving a meningioma lesion. The listed lesion locations describe the presumed primary region of origination for each lesion. Additionally, the globe position status of each individual case is detailed at the preoperative (PO), 3-month postoperative follow-up (3M), 12-month postoperative follow-up (12M), and last postoperative follow-up (LFU) time points. The globe position status at each time point was characterized as either a normal globe position (Norm), enophthalmos (Eno), or exophthalmos (Exo).

Supplementary Table S2 Variables associated with each individual case involving a nonmeningioma lesion

Lesion Type	Primary Location	Diameter	PO	3M	12M	LFU
Adenoid Cystic Carcinoma (Grade II)						
Case 1	Pteronial	---	Norm	Norm	Norm	---
Aneurysm						
Case 1	Basilar Caput	4	Exo	Norm	Eno	Eno
Chondrosarcoma (Grade I)						
Case 1	Cavernous	32	Norm	Norm	---	---
Chondrosarcoma (Grade II)						
Case 1	Clival	28	Exo	Norm	Norm	Norm
Eperimoid Cyst						
Case 1	Middle Fossa/Posterior Fossa	---	Norm	---	---	Norm
Ewing's Sarcoma (Metastatic)						
Case 1	Sphenoid Wing	22	Norm	Norm	---	---
Fibrous Dysplasia; McCune-Albright Syndrome						
Case 1	Diffuse, Skull Base Extensions	---	Norm	Norm	Norm	---
IgG4-related Disease						
Case 1	Cavernous	---	Norm	Norm	---	Norm
Neurosarcoidosis						
Case 1	Diffuse, Dural Extensions	---	Norm	Norm	Norm	Norm
Pituitary Adenoma (Corticotroph)						
Case 1	Diffuse, Skull Base Extensions	48	Norm	Norm	Norm	Norm
Case 2	Suprasellar/Cavernous Extensions	43	Norm	Norm	Norm	Norm
Pituitary Adenoma (Null Cell)						
Case 1	Cavernous Extensions	50	Norm	Norm	Norm	Norm
Pituitary Adenoma (Pleurihormonal)						
Case 1	Cavernous Extensions	33	Norm	Norm	Norm	Norm

A list of the lesion locations (primary location) and maximum lesion diameters (diameter) recorded for each individual case involving a nonmeningioma lesion. The listed lesion locations describe the presumed primary region of origination for each lesion. Notable extensions were described for pituitary adenomas, as well as for lesions with diffuse intracranial involvement. Additionally, the globe position status of each individual case is detailed at the preoperative (PO), 3-month postoperative follow-up (3M), 12-month postoperative follow-up (12M), and last postoperative follow-up (LFU) time points. The globe position status at each time point was characterized as either a normal globe position (Norm), enophthalmos (Eno), or exophthalmos (Exo).