

On-line Table 1: Chordoid meningiomas

Location	Size (cm)	T1	T2/FLAIR	Peritumoral Edema	Cystic Necrosis	Bone Invasion	DWI	ADC ^a	NADC ^b	
		Appearance	Appearance							Enhancement
R frontal convexity	2.5 × 1.5	Iso	Hyper	Avid homo	+	—	—	NA	NA	NA
R parietal convexity	4.0 × 4.5	Iso	Hyper	Avid hetero	+++	+	—	Hyper	Hyper	>1.0
L frontal parafalcine	3.0 × 4.0	Iso	Hyper	Avid homo	—	—	—	NA	NA	NA
L sphenoid wing	4.6 × 4.0	Iso	Hyper	Avid homo	—	—	+	Hyper	NA	NA
L frontoparietal convexity	6.7 × 3.2	Iso	Hyper	Avid homo	+++	—	—	Iso	1.49	2.04
L frontal convexity	2.3 × 0.9	Iso	Hyper	Avid homo	—	—	—	Hypo	1.47	1.99
L tentorium	2.7 × 2.8	Iso	Hyper	Avid homo	—	—	—	Hypo	2.11	2.93
R foramen magnum	2.1 × 2.3	Hypo	Hyper	Avid hetero	—	+	—	Iso	1.39	1.93

Note:—hetero indicates heterogeneous; homo, homogeneous; Hyper, hyperintensity; Hypo, hypointensity; Iso, isointensity; L, left; NA, not applicable; R, right; +, mild; + + +, severe; —, absent.

^a Mean (standard deviation) ADC was 1.62 (0.33).

^b Mean (standard deviation) NADC was 2.22 (0.47).

On-line Table 2: WHO grade I meningiomas

Subtype	Location	Size (cm)	TI Appearance	T2/FLAIR Appearance	Enhancement	Peritumoral Edema	Cystic Necrosis	Bone Invasion	DWI	ADC	NADC
Angiomatous	Temporal lobe, left	4.8 × 5.7	Iso	Iso	Avid inhom	+++	+	+	Hypo	1.05	1.35
Angiomatous	Cerebellopontine angle	1.4 × 1.0	Iso	Hyper	Avid homo	-	-	-	Hyper	1.08	1.35
Angiomatous	Temporal lobe, right	1.5 × 0.7	Iso	Iso	Avid homo	-	-	-	Iso	0.87	1.12
Angiomatous	Cerebellopontine angle	1.7 × 0.8	Iso	Iso	Avid homo	-	-	-	Iso	0.95	1.27
Fibroblastic	Brain, NOS	4.5 × 4.6	Hypo	Iso	Avid homo	+	-	-	Hyper	0.91	1.14
Fibroblastic	Frontal lobe, left	7.1 × .6.6	Iso	Hyper	Avid inhom	++	+	-	Hyper	0.86	1.23
Fibroblastic	Temporal lobe, right	2.3 × 1.3	Iso	Hyper	Avid homo	-	-	-	Hyper	0.92	1.28
Fibroblastic	Posterior cranial fossa	5.3 × 5.0	Iso	Hypo	Avid inhom	+	-	-	Hypo	0.84	1.08
Fibroblastic	Cerebellum, right	3.2 × 3.3	Iso	Iso	Avid homo	-	-	-	Iso	0.87	1.18
Fibroblastic	Frontal lobe, right	5.6 × 4.7	Hypo	Hyper	Avid homo	++	-	-	Iso	1.08	1.38
Fibroblastic	Cerebellum, NOS	2.8 × 3.4	Iso	Iso	Mod homo	-	-	-	Iso	0.77	1.03
Fibroblastic	Occipital lobe, right	1.8 × 1.4	Iso	Iso	Avid homo	-	-	-	Hyper	0.82	1.11
Fibroblastic	Parietal lobe, right	2.3 × 1.8	Hypo	Hyper	Avid homo	-	-	-	Hyper	0.63	0.84
Fibroblastic	Temporal lobe, right	5.2 × 2.7	Iso	Iso	Avid homo	+	-	+	Iso	0.95	1.28
Fibroblastic	Posterior cranial fossa	2.5 × 2.1	Iso	Hyper	Avid homo	+	-	-	Hyper	0.75	1.03
Fibroblastic	Frontal lobe, left	1.4 × 1.2	Iso	Iso	Avid homo	-	-	-	Iso	0.77	1.04
Lymphoplasmacyte-rich	Parietal lobe, right	2.5 × 1.7	Iso	Hyper	Avid homo	-	-	-	Hyper	0.62	0.84
Meningothelial	Brain, NOS	5.8 × 6.5	Iso	Iso	Avid homo	-	-	-	Hyper	0.62	0.90
Meningothelial	Temporalis muscle	6.6 × 6.5	Iso	Hyper	Avid homo	-	-	+	Iso	0.99	1.24
Meningothelial	Sella	1.8 × 2.5	Hypo	Hyper	Avid homo	-	-	-	Iso	0.95	1.30
Meningothelial	Parafalcine	4.5 × 5.9	Iso	Iso	Avid homo	-	-	-	Hyper	0.68	0.99
Meningothelial	Parafalcine	5.1 × 4.2	Iso	Iso	Avid inhom	+	+	-	Iso	0.87	1.21
Meningothelial	Frontal lobe, left	3.2 × 3.2	Iso	Iso	Avid homo	++	-	-	Hyper	0.91	1.17
Meningothelial	Frontal lobe, left	6.4 × 6.5	Iso	Iso	Mod homo	++	-	-	Iso	0.80	1.07
Meningothelial	Frontal lobe, right	6.0 × 3.5	Hypo	Iso	Avid inhom	+	+	-	Hypo	0.73	0.95
Meningothelial	Tentorium cerebelli	2.1 × 0.9	Iso	Iso	Avid homo	-	-	-	Iso	0.93	1.24
Meningothelial	Cerebellopontine angle	2.1 × 2.2	Iso	Hyper	Avid homo	-	-	-	Hyper	0.92	1.19
Meningothelial	Frontal lobe, left	2.7 × 2.8	Iso	Iso	Avid homo	++	-	-	Iso	0.88	1.19
Meningothelial	Falx cerebri	4.1 × 1.9	Iso	Iso	Avid homo	++	-	-	Iso	0.75	1.03
Meningothelial	Temporal lobe, right	2.2 × 1.6	Iso	Iso	Avid homo	+	-	-	Iso	0.88	1.19
Meningothelial	Temporal lobe, right	6.5 × 5.9	Iso	Hyper	Avid homo	+++	-	-	Hyper	0.78	1.05
Meningothelial	Parietal lobe, left	1.4 × 0.8	Iso	Hyper	Avid homo	-	-	-	Hyper	1.09	1.42
Meningothelial	Frontal lobe, NOS	7.0 × 6.9	Iso	Iso	Avid inhom	+	+	-	Hyper	0.69	0.9
Meningothelial	Temporal lobe, left	3.9 × 4.0	Iso	Hypo	Avid inhom	+	+	-	Hypo	0.92	1.26
Meningothelial	Frontal lobe, right	1.2 × 1.2	Iso	Iso	Avid homo	+	-	-	Iso	0.90	1.22
Meningothelial	Cerebellopontine angle	2.3 × 2.5	Iso	Hyper	Avid homo	-	-	-	Hyper	0.87	1.18
Meningothelial	Frontal lobe, left	1.2 × 0.7	Iso	Iso	Avid homo	-	-	-	Iso	0.76	0.99
Meningothelial	Parietal lobe, left	4.3 × 2.9	Iso	Hyper	Avid homo	+++	-	-	Iso	1.06	1.34
Meningothelial	Temporal lobe, right	1.3 × 1.6	Iso	Hyper	Avid homo	-	-	-	Iso	1.02	1.34
Meningothelial	Parietal lobe, left	4.2 × 4.5	Iso	Hyper	Avid homo	+++	-	-	Hyper	0.81	1.08
Meningothelial	Cerebellopontine angle	2.3 × 2.6	Iso	Hyper	Avid homo	-	-	-	Iso	0.95	1.30
Meningothelial	Temporal lobe, left	2.1 × 2.4	Iso	Iso	Avid inhom	-	+	+	Iso	0.90	1.23
Meningothelial	Temporal lobe, right	4.5 × 5.2	Iso	Iso	Avid inhom	+	-	+	Iso	0.97	1.31
Meningothelial	Posterior cranial fossa	1.5 × 1.9	Iso	Iso	Avid homo	-	-	-	Iso	0.98	1.29
Meningothelial	Parietal lobe, left	3.8 × 4.0	Iso	Hyper	Avid homo	-	-	-	Hyper	0.77	1.04
Meningothelial	Temporal lobe, right	3.9 × 3.5	Iso	Iso	Avid homo	-	-	+	Iso	0.85	1.15
Meningothelial	Frontal lobe, right	2.6 × 3.0	Iso	Iso	Avid inhom	++	-	-	Iso	0.81	1.05
Meningothelial	Anterior cranial fossa	2.1 × 1.7	Iso	Iso	Avid homo	-	-	-	Hyper	0.68	0.92
Meningothelial	Temporal lobe, left	2.1 × 2.2	Iso	Iso	Avid homo	+	-	-	Iso	0.81	1.09
Meningothelial	Base of skull	2.7 × 2.9	Iso	Iso	Avid homo	+	-	-	Hyper	0.78	1.05
Meningothelial	Parietal lobe, right	2.5 × 2.5	Iso	Hyper	Avid homo	+	-	-	Hyper	0.82	1.08
Meningothelial	Frontal lobe, left	3.2 × 2.9	Iso	Iso	Avid homo	++	-	-	Iso	0.81	1.05
Meningothelial	Posterior cranial fossa	3.5 × 3.1	Iso	Iso	Avid homo	-	-	-	Iso	0.98	1.27
Meningothelial	Cerebellopontine angle	1.9 × 2.1	Iso	Hyper	Avid homo	-	-	-	Iso	0.92	1.23
Meningothelial	Sphenoid bone	3.1 × 3.2	Iso	Iso	Avid homo	-	-	-	Iso	0.94	1.24
Metaplastic	Frontal lobe, left	2.9 × 2.8	Iso	Iso	Avid homo	++	-	-	Iso	0.89	1.19
Metaplastic	Parietal lobe, left	2.5 × 3.1	Iso	Hyper	Avid homo	+	-	-	Hyper	1.00	1.300
Microcystic	Frontal lobe, left	4.0 × 5.1	Iso	Iso	Avid homo	+++	+	-	Iso	1.20	1.58
Microcystic	Frontal lobe, left	4.5 × 3.0	Hypo	Hyper	Avid homo	+++	-	-	Hyper	0.97	1.18
Microcystic	Brain, NOS	4.3 × 3.2	Hyper	Hyper	Avid homo	++	+	-	Hyper	1.21	1.53
Microcystic	Parietal lobe, left	1.2 × .7	Iso	Hyper	Avid homo	-	-	-	Hyper	1.21	1.57
Microcystic	Frontal lobe, right	2.2 × 1.4	Iso	Iso	Avid homo	-	-	-	Iso	1.05	1.35
Secretory	Parietal lobe, left	4.9 × 2.2	Iso	Iso	Avid homo	+++	-	-	Iso	1.06	1.33
Secretory	Temporal lobe, left	2.6 × 3.1	Iso	Hyper	Avid homo	+++	-	-	Hyper	1.09	1.38
Secretory	Frontal lobe, right	4.4 × 4.1	Iso	Hyper	Avid homo	+++	-	-	Iso	1.07	1.41
Transitional	Cerebellopontine angle	2.3 × 2.2	Iso	Iso	Avid homo	-	-	-	Iso	0.86	1.10
Transitional	Brain, NOS	2.4 × 1.6	Iso	Iso	Avid homo	-	-	-	Hyper	0.93	1.18
Transitional	Posterior cranial fossa	5.5 × 5.4	Iso	Iso	Avid inhom	+	+	-	Iso	0.84	1.17

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On-line Table 2: Continued

Subtype	Location	Size (cm)	T1 Appearance	T2/FLAIR Appearance	Enhancement	Peritumoral Edema	Cystic Necrosis	Bone Invasion	DWI	ADC	NADC
Transitional	Frontal lobe, left	2.5 × 2.2	Iso	Iso	Avid homo	—	—	—	Hyper	0.85	1.13
Transitional	Sphenoid bone	1.4 × 1.3	Iso	Iso	Avid homo	—	—	—	Iso	0.71	0.96
Transitional	Frontal lobe, left	1.2 × 1.3	Iso	Iso	Avid homo	—	—	—	Iso	0.82	1.12
Transitional	Parietal lobe, right	1.6 × 1.4	Iso	Iso	Avid homo	—	—	—	Iso	0.85	1.13
Transitional	Frontal lobe, left	3.1 × 2.4	Iso	Hyper	Avid homo	—	—	—	Hyper	0.67	0.96
Transitional	Temporal lobe, left	3.1 × 3.8	Iso	Iso	Avid homo	+	—	—	Iso	0.86	1.15
Transitional	Posterior cranial fossa	3.3 × 3.0	Iso	Iso	Avid homo	—	—	—	Iso	0.91	1.21
Transitional	Frontal lobe, left	4.0 × 2.7	Iso	Iso	Avid homo	—	—	—	Iso	0.89	1.20
Transitional	Posterior cranial fossa	3.5 × 3.3	Iso	Iso	Avid homo	+	—	—	Iso	0.93	1.24
Transitional	Parietal lobe, right	2.2 × 2.1	Iso	Iso	Avid homo	—	—	—	Hyper	0.81	1.11
Transitional	Falx cerebri	2.2 × 1.9	Iso	Iso	Avid homo	—	—	—	Iso	0.72	0.99
Transitional	Frontal lobe, left	2.1 × 2.0	Iso	Iso	Avid homo	—	—	—	Iso	0.76	1.04

Note:—inhomo indicates inhomogeneous; Mod, moderate; NOS, not otherwise specified; homo, homogeneous; Hyper, hyperintensity; Hypo, hypointensity; Iso, isointensity; +, mild; ++, moderate; +++, severe; —, absent.

On-line Table 3: WHO Grade II meningiomas (nonchordoid)

Subtype	Location	Size (cm)	T1 Appearance	T2/FLAIR Appearance	Enhancement	Peritumoral Edema	Cystic Necrosis	Bone Invasion	DWI	ADC	NADC
Atypical	Frontal lobe, right	6.5 × 5.0	Hypo	Iso	Avid inhomo	+++	+	—	Iso	0.96	1.28
Atypical	Brain, NOS	4.1 × 3.5	Iso	Hypo	Avid homo	++	—	—	Hypo	0.93	1.26
Atypical	Frontal lobe, right	6.8 × 6.0	Iso	Iso	Avid inhomo	++	+	—	Hyper	0.94	1.27
Atypical	Brain, NOS	4.0 × 4.3	Iso	Hyper	Avid homo	++	—	—	Hyper	0.86	1.18
Atypical	Frontal lobe, right	6.6 × 5.1	Iso	Iso	Avid inhomo	+	+	++	Hyper	0.70	0.88
Atypical	Temporal lobe, right	2.9 × 2.8	Hypo	Iso	Avid peripheral	++	++	—	Hyper	0.75	0.94
Atypical	Posterior frontal lobe, right	3.8 × 2.8	Hypo	Iso	Avid homo	+++	—	—	Hyper	0.85	1.16
Atypical	Posterior cranial fossa, right	3.3 × 3.4	Iso	Iso	Inhomo	+	+	—	Iso	0.88	1.13
Atypical	Posterior cranial fossa, left	5.5 × 7.1	Iso	Iso	Avid homo	++	—	—	Iso	0.75	1.06
Atypical	Temporal lobe, left	4.6 × 2.4	Iso	Iso	Avid inhomo	++	—	++	Iso	0.79	1.08
Atypical	Frontal lobe, left posterior	3.5 × 4.0	Hypo	Hyper	Avid inhomo	—	—	—	Hyper	0.72	0.92
Atypical	Tentorium cerebelli, right	2.9 × 3.0	Iso	Iso	Avid homo	++	—	—	Iso	0.83	1.06
Atypical	Parietal lobe, right parafalcine	4.1 × 1.4	Iso	Iso	Avid homo	++	—	—	Iso	0.70	0.88
Atypical	Parietal lobe, right	4.8 × 4.0	Hypo	Hyper	Avid homo	—	—	—	Hyper	0.88	1.13
Atypical	Parietal/parafalcine, right	5.0 × 4.4	Iso	Hyper	Avid homo	+	—	—	Iso	0.93	1.19
Atypical	Frontal lobe, left	6.5 × 8.1	Hyper	Iso	Avid homo	++	+	—	Iso	0.86	1.16
Atypical	Cerebellopontine angle	2.0 × 3.7	Iso	Hyper	Avid homo	++	—	—	Iso	1.05	1.28
Atypical	Posterior cranial fossa	3.7 × 4.3	Iso	Iso	Avid homo	—	+	—	Iso	0.61	0.78
Atypical	Frontal lobe, left	5.2 × 6.3	Iso	Hyper	Avid inhomo	+	++	—	Iso	0.90	1.22
Atypical	Frontal lobe, left	6.7 × 5.6	Iso	Iso	Avid inhomo	+++	+	—	Hypo	0.94	1.25
Clear cell	Cerebellopontine angle	3.8 × 4.2	Hypo	Iso	Mod homo	—	—	—	Iso	0.85	1.18

Note:—inhomo indicates inhomogeneous; Mod, moderate; NOS, not otherwise specified; homo, homogeneous; Hyper, hyperintensity; Hypo, hypointensity; Iso, isointensity; +, mild; ++, moderate; +++, severe; —, absent.

On-line Table 4: WHO Grade III meningioma

Subtype	Location	Size (cm)	T1 Appearance	T2/FLAIR Appearance	Enhancement	Peritumoral Edema	Cystic Necrosis	Bone Invasion	DWI	ADC	NADC
Anaplastic	Frontal lobe, left	4.7 × 2.9	Hypo	Hyper	Mild inhomo	+	—	—	Hyper	0.57	0.75

Note:—Hypo indicates hypointensity; Hyper, hyperintensity; inhomo, inhomogeneous; +, mild; —, absent.