

Table S1. Summary of 108 reported cases of angiocentric glioma.

First author (year)	Case no.	Age at surgery (years)	Sex	Symptoms/complaints	Tumor location	Surgery	Follow-up (months)	Seizure recurrence	Adjuvant therapy	(Refs.)
Han (2020)	1	8	M	Seizures, headache, vomiting	Left temporal lobe	GTR	30	No	None	-
Weaver (2017)	2	16	M	Seizures	Right frontal lobe	GTR	18	No	None	-
	3	6	M	Ataxia	Brainstem	Biopsy	18	No	None	(47)
	4	5	F	Headache, decreasing vision	Brainstem	STR	72	No	Chemotherapy	(47)
	5	3	F	Faciotplegia	Brainstem	Biopsy	60	No	Chemotherapy	(37)
D'Aronco (2017)	6	7	M	Dysphagia	Brainstem	Biopsy	10	No	Chemotherapy	(37)
	7	83	M	Hemiplegia	Left frontal lobe	STR	6	No	None	(45)
Li (2017)	8	27	M	Seizures	Right temporal lobe	STR	3	No	None	(51)
Chan (2017)	9	7	M	Strabismus	Brainstem	Biopsy	1	No	Chemotherapy	(34)
McCracken (2016)	10	16	F	Seizures	Left frontal-insular lobe	STR	44	No	R&C	(42)
	11	25	M	Seizures	Left frontal lobe	GTR	40	No	None	(32)
Adamek (2016)	12	11	F	Seizures	Left frontal lobe	GTR	16	No	None	(32)
	13	24	M	Seizures	Left frontal lobe	GTR	12	No	None	(53)
Chatterjee (2016)	14	22	F	Seizures	Right temporal lobe	GTR	6	No	None	(35)
	15	26	F	Seizures	Left temporal lobe	GTR	4	No	None	(52)
Feng (2015)	16	9	F	Seizures	Right parietal lobe	ND	ND	ND	ND	(50)
Sajjad (2015)	17	40	M	Headache, seizures	Right parietal lobe	GTR	60	No	None	(44)
Tauziède (2015)	18	11	F	Seizures	ND	GTR	37	No	None	(46)
Whitehead (2015)	19	2	F	Seizures	Right frontal lobe	GTR	36	No	None	(48)
	20	13	M	Seizures	Right temporal lobe	GTR	47	No	None	(49)
Wu (2015)	21	17	F	Seizures	Left callosum	GTR	27	No	None	(49)
	22	25	F	Dizziness	Right temporal lobe	GTR	24	No	None	(49)
	23	1.5	F	Seizures	Left temporal lobe	GTR	23	No	None	(49)
	24	16	F	Seizures	Left parietal lobe	GTR	21	No	None	(49)
	25	27	M	Seizures	Left temporal lobe	GTR	18	No	None	(49)
	26	8	F	Seizures	Left frontal lobe	GTR	10	No	None	(49)
Cheng (2015)	27	25	M	Seizures	Right frontal lobe	GTR	6	No	None	(36)
Xu (2015)	28	22	M	Seizures	Right insular lobe	GTR	3	No	None	(54)
Keser (2014)	29	7	F	Seizures	Right parietal lob	GTR	12	No	None	(41)
	30	4.7	M	Seizures	Right frontal lobe	ND	1	No	None	(43)

Table SI. Continued.

First author (year)	Case no.	Age at surgery (years)	Sex	Symptoms/complaints	Tumor location	Surgery	Follow-up (months)	Seizure recurrence	Adjuvant therapy	(Refs.)
	31	24	M	Seizures	Right frontal lobe	ND	2.5	No	None	(43)
	32	5.5	F	Seizures	Right parietal lobe	ND	30	No	None	(43)
	33	20	F	Seizures	Left parietal lobe	ND	40	No	None	(43)
	34	7	M	Seizures	Left temporal lobe	ND	48	No	None	(43)
	35	22.5	F	Seizures	Right frontal lobe	ND	50	No	None	(43)
	36	9	F	Seizures	Right parietal lobe	ND	NA	No	None	(43)
	37	9	M	Seizures	Right frontal lobe	ND	71	No	None	(43)
	38	17	M	Seizures	Left temporal lobe	ND	71	No	None	(43)
Ersen (2017)	39	21	M	Seizures	Left frontal lobe	GTR	48	No	None	(38)
Grajkowska (2014)	40	14	M	Seizures	Left occipitoparietal lobe	GTR	48	No	None	(39)
	41	15	F	Seizures	Right temporal lobe	GTR	48	No	None	(39)
Kakkar (2014)	42	18	M	Seizures	Left frontal lobe	GTR	12	No	None	(40)
Alexandru (2013)	43	12	F	Seizures	Left frontal lobe	GTR	3	No	None	(8)
Buccoliero (2013)	44	2	F	Seizures	Left temporo-parietal-insular lobe	STR	84	Yes	None	(15)
	45	11	F	Seizures	Left occipitoparietal lobe	STR	2	No	None	(15)
	46	10	M	Seizures	Left frontal lobe	GTR	16	No	None	(15)
Aguilar (2012)	47	15	M	Weakness, numbness of the left side of body	Right frontal lobe	GTR	6	No	Radiation	(17)
Qi (2012)	48	22	M	Seizures	Left amygdaloid nucleus	GTR	14	No	None	(18)
	49	14	M	Seizures	Right temporal lobe	GTR	3	No	None	(18)
Raghunathan (2012)	50	3	M	ND	Right occipitoparietal lobe	ND	ND	ND	ND	(24)
	51	5	M	ND	Right frontal lobe	ND	ND	ND	ND	(24)
	52	15	M	ND	Left frontal lobe	ND	ND	ND	ND	(24)
Li (2012)	53	4	M	Seizures	Left frontal lobe	GTR	42	No	None	(23)
	54	4	F	Seizures	Right frontal lobe	GTR	72	No	None	(23)
	55	9	M	Seizures	Right temporal lobe	GTR	108	No	None	(23)
Miyata (2012)	56	54	F	Seizures	Left hippocampus, amygdaloid nucleus	GTR	50	No	None	(30)
	57	37	M	Seizures	Left uncinate gyrus, amygdaloid nucleus	GTR	11	No	None	(30)
Koral (2012)	58	4	M	Seizures	Right temporal lobe	STR	12	No	None	(29)
Rho (2011)	59	10	F	Dizziness, otalgia	Right medial frontal cortex	GTR	9	No	None	(9)
Wu (2012)	60	7	F	Seizures	Right parietal lobe	GTR	6	No	None	(20)

Table SI. Continued.

First author (year)	Case no.	Age at surgery (years)	Sex	Symptoms/complaints	Tumor location	Surgery	Follow-up (months)	Seizure recurrence	Adjuvant therapy	(Refs.)
Miyahara (2011)	61	66	F	Seizures	Right temporal-insular lobe	STR	12	No	R&C	(25)
Marburger (2011)	62	10	F	Seizures	Left occipitoparietal lobe	GTR	131	No	None	(7)
	63	15	M	Seizures, headache, decreasing vision	Left temporal lobe	STR	103	Yes	None	(7)
	64	19	M	Seizures	Left parietal lobe	GTR	44	No	None	(7)
	65	3	F	Seizures	Left temporal lobe	GTR	27	No	None	(7)
	66	15	M	Headache, decreasing vision	Right thalamus	Biopsy	17	No	None	(7)
Takada (2011)	67	26	M	Seizures	Right frontal lobe	GTR	12	No	None	(26)
Pokharel (2011)	68	3	M	Seizures	Parietal lobe	GTR	10	No	None	(27)
Hu (2010)	69	19	M	Dizziness	Left frontal lobe	GTR	8	No	None	(19)
Rosenzweig (2010)	70	28	M	Seizures	Left temporal lobe	STR	24	No	None	(28)
Mott (2009)	71	57	F	Headache	Right frontal lobe	Biopsy	5	No	Radiation	(6)
Varikatt (2009)	72	16	F	Seizures	Occipitoparietal lobe	GTR	ND	ND	Radiation	(31)
Fulton (2009)	73	2	M	Seizures	Right frontoparietal lobe	STR	14	No	None	(10)
Covington (2009)	74	5	F	Ataxia	Brainstem	STR	24	No	None	(11)
Shakur (2009)	75	10	M	Headache, decreasing vision	Left posterior temporal lobe	GTR	24	No	None	(12)
	76	10	M	Seizures	Left middle temporal lobe	GTR	9	No	None	(12)
	77	13	F	Seizures	Left anterior temporal lobe	GTR	6	No	None	(12)
Ma (2010)	78	25	F	Seizures	Hippocampus	GTR	3	No	None	(22)
Sun (2009)	79	9	M	Seizures	Non-temporal lobe	ND	ND	ND	ND	(21)
Sugita (2008)	80	6	M	Seizures	Right occipitoparietal lobe	GTR	9	No	None	(13)
Arsene (2008)	81	20	M	Seizures	Right temporal lobe	GTR	2	No	None	(16)
	82	55	M	Headache	Right temporal lobe	GTR	0.25	No	None	(16)
Preusser (2007)	83	6	M	Seizures	Medial temporal lobe	STR	60	No	None	(14)
	84	9	F	Seizures	Medial inferior temporal lobe	STR	60	No	None	(14)
	85	15	M	Seizures	Precuneus	STR	60	No	None	(14)
	86	15	F	Seizures	Precuneus	STR	7	No	Radiation	(14)
	87	17	M	Seizures	Frontoparietal lobe	Biopsy	24	No	Radiation	(14)
	88	35	M	Seizures	Parietal lobe	STR	6	No	None	(14)
	89	37	F	Seizures	Hippocampus	STR	12	No	None	(14)
	90	70	F	Seizures	Hippocampus	STR	83	No	None	(14)
Lellouch (2005)	91	6.5	M	Seizures	Left frontoparietal lobe	GTR	168	No	None	(1)

Table S1. Continued.

First author (year)	Case no.	Age at surgery (years)	Sex	Symptoms/complaints	Tumor location	Surgery	Follow-up (months)	Seizure recurrence	Adjuvant therapy	(Refs.)
	92	2	M	Seizures	Right frontoparietal lobe	STR	36	Yes	None	(1)
	93	4	F	Seizures	Left temporal lobe	GTR	72	No	None	(1)
	94	4.5	M	Seizures	Right parietal lobe	GTR	60	No	None	(1)
	95	9.5	F	Seizures	Left frontal lobe	GTR	2.3	No	None	(1)
	96	13	F	Seizures	Right frontal lobe	STR	24	Yes	None	(1)
	97	12	M	Seizures	Right parietal lobe	GTR	24	No	None	(1)
	98	3	F	Seizures	Left frontal lobe	STR	14	Yes	None	(1)
	99	10	M	Seizures	Left frontal lobe	STR	12	Yes	None	(1)
	100	4	F	Seizures	Left frontal lobe	GTR	72	No	None	(1)
Wang (2005)	101	15	F	Seizures	Right temporal lobe	GTR	12	No	None	(2)
	102	4	F	Seizures	Right parietal lobe	GTR	48	No	None	(2)
	103	3	M	Seizures	Left parietal lobe	STR	36	No	None	(2)
	104	14	M	Seizures	Right inferior frontal lobe	GTR	24	No	None	(2)
	105	12	F	Seizures	Left inferior frontal lobe	STR	24	No	None	(2)
	106	30	F	Seizures	Left temporal lobe	GTR	48	No	None	(2)
	107	26	M	Seizures	Left frontal lobe	STR	68	No	R&C	(2)
	108	37	M	Seizures	Right frontal lobe	GTR	ND	No	None	(2)

R&C, radiation and chemotherapy; ND, not described; GTR, gross total resection; STR, subtotal resection; M, male; F, female.