

TABLE2 Patients with Germinoma who relapsed

ID	1	31	38	39	42	45	49
Year of Diagnosis	2016	2008	2005	2001	2002	2002	2000
Age	12.2	10.05	15.5	12.1	14.4	14.5	10.4
Gender	Male	Female	Male	Male	Male	Female	Male
Primary site	Bifocal	Sellar/ Suprasellar	Pineal	Bifocal	Sellar/ Suprasellar	Bifocal	Sellar/ Suprasellar
Pretreatment biopsy	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Serum BHCG (IU/L) at diagnosis	30	37.8	N	N	N	N	N
Serum AFP (ng/ml) at diagnosis	N	3	N	N	N	N	N
CSF BHCG (IU/L) at diagnosis	N	UK	UK	N	11	N	N
CSF AFP (ng/ml) at diagnosis	N	UK	UK	N	N	N	N
CFS Cytology	Negative	Negative	Negative	Negative	Negative	Negative	Negative
Baseline spinal imaging	Negative	Negative	Negative	Negative	Negative	Negative	Negative
Initial Chemo	SIOP	SIOP	SIOP	SIOP	SIOP	SIOP	SIOP
Time (m) from diagnosis to chemotherapy	1.3	0.4	0.4	1	1.4	0.3	1
Initial RT volume	WV + TB	TB	TB	WV+ TB	TB	TB	TB
Initial RT dose (Gy)	24/40	45	45	30.6/45	45	41.4	45
Time (m) from diagnosis to RT	5.5	5.5	3.6	4.2	4.6	3.7	4.2
Site of relapse	Sellar/ Suprasellar + Spinal Cord	Intraventricula r	Intracrania l	Spinal Cord	Sellar/ Suprasellar	Intraventricular	Intracranial + Spinal cord
Serum BHCG (IU/L) at relapse	537	N	N	N	23	N	589
Serum AFP (ng/ml) at relapse	5	N	N	N	324	N	77
CSF BHCG (IU/L) at relapse	N	N	N	N	N	N	2057
CSF AFP (ng/ml) at relapse	N	N	N	N	N	N	205
Biopsy at relapse	Negative	Negative	Negative	Negative	Negative	Negative	Negative
PFS1(m)	13.3	10.69	22.1	108.7	21	29	13.7
Salvage treatment 1	PEI+CSI 30.6/ TB 45	None	ICE+CSI 36	PR+CSI	PEI+CSI 36	PEI+CSI 36	PEI+CSI 36
PFS2(m)	5.5	n/a	n/a	n/a	n/a	15.7	
Salvage treatment 2	GemPox+ HDC and ASCT	n/a	n/a	n/a	n/a	Etoposide	
OS (m)	48.8	15.9	186.2	115.6	222.8	51	131.5
Outcome	No evidence of disease	Dead of disease	No evidence of disease	Dead of disease	No evidence of disease	Dead of disease	Dead not tumor related

Abbreviations: UK=unknown; N=normal; TB=tumor bed, WVRT=whole ventricular irradiation, CSI=craniospinal irradiation, m=months, HDC=high dose chemotherapy, ASCT=autologous stem cell transplant, PEI: Cisplatin – Etoposide – Ifosfamide, GemPox=Gemcitabine – Paclitaxel - Oxaliplatin, ICE=Ifosfamide – Carboplatin – Etoposide, Pos=positive, CSF=craniospinal fluid.