

Table S1. Clinical characteristics of newborns with extracranial GCT are summarized. NA = not applicable.

Sex	Age (Days)	Diagnosis	Localization	Metastasis	Prenatal Diagnosis	Chemotherapy	Surgery	Relapse	Outcome
F	2	Malignant Teratoma	sacroccocygeal	no	no	no	yes	no	alive
F	7	Germinoma	sacroccocygeal	no	no	no	yes	no	alive
F	0	Germinoma	sacroccocygeal	no	no	no	yes	no	alive
F	0	Malignant Teratoma	sacroccocygeal	no	no	no	yes	no	alive
M	5	Yolk sac tumor	sacroccocygeal	no	no	no	yes	no	alive
F	5	Yolk sac tumor	sacroccocygeal	no	yes	no	yes	no	alive
M	0	Yolk sac tumor	heart	no	yes	no	yes	no	alive
F	3	Mature teratoma	sacroccocygeal	no	yes	no	yes	no	alive
M	16	Germinoma	sacroccocygeal	no	no	no	yes	no	alive
F	5	Germinoma	head/neck region	no	yes	no	yes	no	alive
F	21	Yolk sac tumor	sacroccocygeal	no	no	no	yes	no	alive
F	4	Germinoma	sacroccocygeal	no	no	no	yes	no	alive
F	1	Germinoma	sacroccocygeal	no	yes	no	yes	no	alive
F	3	Germinoma	sacroccocygeal	no	no	no	yes	no	alive
M	23	Germinoma	sacroccocygeal	no	no	no	yes	no	alive

F	21	Yolk sac tumor	head/neck region	no	yes	no	yes	no	alive
F	20	Germinoma	sacroccocygeal	no	yes	no	yes	no	alive
F	15	Germinoma	sacroccocygeal	no	no	no	yes	no	alive
M	15	Germinoma	sacroccocygeal	no	no	no	yes	yes	alive
F	19	Germinoma	sacroccocygeal	no	no	no	yes	no	alive
F	0	Immature teratoma	sacroccocygeal	no	no	no	yes	no	alive
F	17	Immature teratoma	sacroccocygeal	no	no	no	yes	no	alive
F	0	Mature teratoma	sacroccocygeal	no	yes	no	yes	no	alive
F	16	Immature teratoma	sacroccocygeal	no	no	no	yes	no	alive
M	0	Yolk sac tumor	sacroccocygeal	no	yes	no	yes	no	alive
F	9	Immature teratoma	sacroccocygeal	no	no	no	yes	no	alive
F	19	Immature teratoma	sacroccocygeal	no	no	no	yes	no	alive
F	18	Immature teratoma	head/neck region	no	yes	no	yes	no	alive
F	10	Immature teratoma	abdomen	no	no	no	yes	Yes, abdomen	alive
F	25	Yolk sac tumor	sacroccocygeal	no	no	no	yes	no	alive
F	11	Mature teratoma	sacroccocygeal	no	yes	no	yes	no	alive

F	18	Yolk sac tumor	sacroccocygeal	no	yes	no	yes	no	alive
F	27	Mature teratoma	head/neck region	no	no	no	yes	no	alive
F	17	Mature teratoma	sacroccocygeal	no	no	no	yes	no	alive
M	15	Mature teratoma	sacroccocygeal	no	no	no	yes	no	alive
F	13	Mature teratoma	sacroccocygeal	no	no	no	yes	no	alive
F	14	Mature teratoma	sacroccocygeal	no	no	no	yes	no	alive
M	15	Mature teratoma	sacroccocygeal	no	yes	no	yes	no	alive
M	10	Yolk sac tumor	sacroccocygeal	no	no	no	yes	no	alive
M	13	Yolk sac tumor	head/neck region	Yes, lymph node	yes	no	yes	no	alive

Table S2. Clinical characteristics of newborns affected by neuroblastoma are summarized. SCA = segmental chromosomal alterations. NA = not applicable. TRM = treatment related mortality

Sex	Age at Diagnosis (Days)	Stage	Genomic Risk Factors	Localization	Metastasis Site	Prenatal Diagnosis	Chemotherapy	Surgery	Relapse	Outcome	Death Causes
F	11	Ms	NA	adrenal	bone	no	no	yes	no	alive	NA
F	13	L1	NA	adrenal	NA	no	yes	yes	no	alive	NA
F	3	Ms	NA	adrenal	liver	no	no	no	no	alive	NA
F	6	Ms	NA	paravertebral	liver	no	yes	no	yes	alive	NA
M	17	L1	NA	adrenal	NA	yes	no	yes	no	alive	NA
M	22	Ms	SCA	adrenal	bone, bone marrow, liver, skin, paraspinal	no	yes	yes	no	alive	NA
M	1	Ms	SCA	pelvic	liver	no	no	no	no	alive	NA
M	17	L1	NA	adrenal	NA	no	no	yes	no	alive	NA
M	1	L2	NA	adrenal	liver	no	yes	no	no	died	TRM

M	17	L2	NA	pelvic	NA	no	yes	no	no	alive	NA
M	23	L1	NA	adrenal	NA	no	no	yes	no	alive	NA
F	18	Ms	<i>MYC-N</i> amplification	adrenal	liver	no	yes	no	no	alive	NA

Table S3. Clinical characteristics of newborns affected by soft tissue sarcoma are summarized. NA = not applicable. PD = progressive disease. TRM = treatment related mortality.

Sex	Age at diagnosis (days)	Diagnosis	Genomic alterations	Localization	Metastasis	Prenatal diagnosis	Chemo-therapy	Surgery	Relapse	Outcome	Death cause
F	25	Congenital Fibrosarcoma	NA	retroperitoneal	no	yes	yes	yes	no	alive	NA
M	26	Embryonal Rhabdomyosarcoma	NA	bladder	no	no	yes	yes	no	alive	NA
F	15	Alveolar Rhabdomyosarcoma	t(2;13) (q35;q14) <i>PAX3/FKHR</i>	head/neck	Yes, liver, pancreas, lung, bone marrow, CNS	no	yes	yes	no	died	PD
F	22	Myofibroma	NA	forearm	no	no	no	yes	no	alive	NA
F	3	Malignant rhabdoid tumor	<i>SMARCA</i> neg	head/neck	no	no	no	no	no	died	TRM

Table S4. Clinical characteristics of newborns with retinoblastoma are summarized. SCA = segmental chromosomal alterations.

Sex	Age at Diagnosis (Days)	Familial History	Localization	Metastasis	Prenatal Diagnosis	Chemotherapy	Surgery	Relapse	Outcome	<i>RB1</i> Germ Line Mutation
M	11	yes	unilateral	no	no	yes	no	no	alive	yes
M	20	yes	bilateral	no	no	yes	no	no	alive	yes
M	0	yes	unilateral	no	no	yes	no	no	alive	yes
F	15	no	unilateral	no	no	yes	no	no	alive	no

Table S5. Clinical characteristics of newborns affected by CNS tumors are summarized. NA = not applicable. TRM = treatment related mortality.

Sex	Age at Diagnosis (Days)	Diagnosis	Metastasis	Prenatal Diagnosis	Chemotherapy	Surgery	Recurrence	Outcome	Death Cause
F	1	Ganglioglioma	no	no	no	yes	no	alive	NA
F	5	Glioblastoma	no	yes	yes	yes	no	alive	NA
M	0	Choroid plexus carcinoma	no	yes	yes	yes	no	alive	NA
F	0	Mature teratoma	no	yes	no	no	no	died	TRM

Table S6. Clinical characteristics of newborns affected by other malignancies are summarized. NA = not applicable. TRM = treatment related mortality.

Sex	Age at Diagnosis (Days)	Disease	Localization	Metastasis	Prenatal Diagnosis	Chemotherapy	Surgery	Relapse	Outcome	Death Cause
F	2	Mesoblastic nephroma, cellular	Kidney	no	no	no	yes	no	alive	NA
M	6	Plexiform neurofibroma	Head/neck	no	no	yes	no	no	alive	NA
F	13	Acute lymphoblastic leukemia, B	Bone marrow	no	no	yes	no	no	alive	NA
M	3	Akute myeloblastic leukemia	Bone marrow	no	no	yes	no	no	died	TRM
F	1	Adrenal cortical carcinoma	Adrenal gland	no	yes	no	yes	no	alive	NA
F	9	Mesoblastic nephroma, classic	Kidney	no	no	no	yes	no	alive	NA
F	1	Akute myeloblastic leukemia	Bone marrow	no	no	yes	no	no	alive	NA
M	26	Langerhans cell histiocytosis	Skin of trunk	no	no	no	no	no	alive	NA
M	20	Langerhans cell histiocytosis	Skin of trunk	no	no	yes	no	no	alive	NA