

Table 1 Radiation Reference Doses and Timing for Childhood Cancers

Disease	Time to start radiation therapy	Dose of radiation
Acute Lymphoblastic Leukemia	5-34 weeks (adjust if chemotherapy delayed)	12-24 Gy
Hodgkin Lymphoma	11-28 weeks (adjust if chemotherapy was delayed)/within 4 weeks of last chemo	15-30 Gy
Brainstem Glioma	Within 4 weeks of diagnosis	54-59.4 Gy
Craniopharyngioma	Within 8 weeks of diagnosis	50-54 Gy
Ependymoma	Within 6 weeks of surgery	54-59.4 Gy
High Grade Glioma	Within 4 weeks of surgery	54-60 Gy
Low Grade Glioma	Within 8 weeks of diagnosis	50-54 Gy
Medulloblastoma & Primitive Neuroectodermal Tumour	Within 6 weeks of surgery	23.4-39.6 Gy craniospinal radiation and 54-55.8 Gy total
Wilms tumour	Within 2 weeks of surgery	10.8 to 25.2 Gy
Ewing Sarcoma	13-21 Weeks (adjust if surgery delayed)/Within 3 weeks of surgery	44.8-55.8 Gy
Nonrhabdomyosarcoma soft tissue sarcoma	Week 4 if Preoperative, If Postoperative up to 6 weeks post surgery	45-59.4 Gy
Rhabdomyosarcoma	<20 weeks (adjust if surgery delayed)/Within 3 weeks of surgery	36-55.8 Gy
Nasopharyngeal Carcinoma	<10 weeks (adjust if chemotherapy delayed)	50-70 Gy

