

Supplementary Table 1. Tumor types, guideline-based staging and adapted risk classification for pediatric oncology patients

Type of tumor	Guidelines classification	Risk classification	Adapted risk classification
Hepatoblastoma	Toronto guidelines	Localized stage	Low risk
		Metastatic stage	High risk
Osteosarcoma	Toronto, GEIS and SIOPE guidelines	Localized stage	Low risk
		Metastatic stage	High risk
Ewing sarcoma	Toronto and SIOPE guidelines	Localized stage	Low risk
		Metastatic stage	High risk
Other sarcoma (RB and NRSTS)	Toronto guidelines	Stage I, II or III	Low risk
		Stage IV	High risk
Wilms tumor	Toronto guidelines and UMBRELLA protocol (SIOP 2016)	Stage I, II or III	Low risk
		Stage IV	High risk
Neuroblastoma	Toronto and SIOPE guidelines	INSS stage 2, 3, 4, and 4s or L2, M or MS with MYCN amplification or INSS stage 4 or M without MYCN amplification aged >12 mo at diagnosis	High risk
		None of above	Low risk
Lymphoma (both Hodgkin and non-Hodgkin)	Toronto guidelines	Stage I, II and III	Low risk
		Stage IV	High risk
ALL	2006 to 2014: LAL/SHOP-2005	Standard risk	Low risk
		High and very high risk	High risk
	2015–2024: SEHOP Pethema protocol	Standard and intermediate risk	Low risk
		High risk	High risk
Intracranial tumors			
Medulloblastoma and ependymoma	Toronto guidelines	Localized stage	Low risk
		Metastatic stage	High risk
Glioma	WHO grade	I and II stage	Low risk
		III and IV stage	High risk
ETMR	WHO grade	All	High risk
Retinoblastoma	Toronto guidelines	Localized stage	Low risk
		Metastatic stage	High risk
Other	TNM stage	M0	Low risk
		M1	High risk

ALL, acute lymphoblastic leukemia; ETMR, embryonal tumors with multilayered rosettes; GEIS, Grupo Español de Investigación en Sarcomas; INSS, International Neuroblastoma Staging System; LAL/SHOP-2005, leucemia aguda linfoblástica – Sociedad de hematología y oncología pediátrica; M0, nonmetastatic stage; M1, metastatic stage; NRSTS, nonrhabdomyosarcoma soft tissue sarcoma; RB, rhabdomyosarcoma; SEHOP, Sociedad Española de Oncología y Hematología Pediátrica; SIOP, International Society of Pediatric Oncology; SIOPE, European Society of Pediatric Oncology; WHO, World Health Organization.