

TABLE 1 Treatment Protocol

Drug	Standard Risk Dose and Route	Day(s)	High Risk Dose and Route	Day(s)
Induction				
Dexamethasone p.o.	6 mg/m ²	1-28	6 mg/m ²	1-28
	3 mg/m ²	29-31	3 mg/m ²	29-31
	1.5 mg/m ²	32-34	1.5 mg/m ²	32-34
	0.75 mg/m ²	35-37	0.75 mg/m ²	35-37
Vincristine i.v.	1.5 mg/m ²	8,15,22,29,36,43	1.5 mg/m ²	8,15,22,29,36,43
Daunorubicin i.v.	45 mg/m ²	8	45 mg/m ²	8,22
L-asparaginase i.m.	10'000 U/m ²	36,43	10'000 U/m ²	36,43
Consolidation 1				
Mercaptopurine	50 mg/m ² p.o.	50-85	50 mg/m ² p.o.	50-85
Dexamethasone	6 mg/m ² p.o.	92-105	6 mg/m ² p.o.	92-105
Vincristine	1.5 mg/m ² i.v.	92, 97	1.5 mg/m ² i.v.	92, 97
Methotrexate	50 mg/m ² i.m.	50,57,64,71,78,85	50 mg/m ² i.m.	50,57,64,71,78,85
Asparaginase	10'000 U/m ² i.m.	51,58,65,72,79,86	10'000 U/m ² i.m.	51,58,65,72,79,86
Daunorubicin	30mg/m ² i.v.	50, 71	30mg/m ² i.v.	50, 71, 92
Consolidation 2				
Mercaptopurine	50 mg/m ² p.o.	106-141	50 mg/m ² p.o.	106-141
Dexamethasone	6 mg/m ² p.o.	148-161	6 mg/m ² p.o.	148-161
Vincristine	1.5 mg/m ² i.v.	148, 155	1.5 mg/m ² i.v.	148, 155
Methotrexate	50 mg/m ² i.m.	106, 113, 120, 127, 134, 141	50 mg/m ² i.m.	106, 113, 120, 127, 134, 141
Asparaginase	10'000 U/m ² i.m.	107, 114, 121, 128, 135, 142	10'000 U/m ² i.m.	107, 114, 121, 128, 135, 142
Daunorubicin	30mg/m ² i.v.	106	30mg/m ² i.v.	106, 133
Consolidation 3				
Mercaptopurine	50 mg/m ² p.o.	162-197	50 mg/m ² p.o.	162-197
Dexamethasone	6 mg/m ² p.o.	204-217	6 mg/m ² p.o.	204-217
Vincristine	1.5 mg/m ² i.v.	204, 211	1.5 mg/m ² i.v.	204, 211
Methotrexate	50 mg/m ² i.m.	162, 169, 176, 183, 190, 197	50 mg/m ² i.m.	162, 169, 176, 183, 190, 197
Asparaginase	10'000 U/m ² i.m.	163, 170, 177, 184, 191, 198	10'000 U/m ² i.m.	163, 170, 177, 184, 191, 198
Intrathecal Therapy¹				
Methotrexate i.t.	8/10/12 mg	1,8,15,22,29,36,92,148,204	6/8/10/12 mg	1,8,15,22,29,36,45,59,73,84
Cytarabine i.t.	20/26/30 mg		20/30/40/50 mg	
Prednisone i.t.	6/8/10 mg		4/6/8/10 mg	
Drug	Standard and High Risk Dose and Route	Weeks		

	Maintenance	
Mercaptopurine p.o. (once daily)	50 mg/m ²	32-37, 40-45, 48-53, 56-61, 64-69, 72-77, 80-85, 88-93
Methotrexate i.m. (once weekly)	30 mg/m ²	32-37, 40-45, 48-53, 56-61, 64-69, 72-77, 80-85, 88-93
Dexamethasone p.o. (once daily)	6 mg/m ²	38, 46, 54, 62, 70, 78, 86, 94
Vincristine i.v. (day 1, day 8)	1.5 mg/m ²	38, 46, 54, 62, 70, 78, 86, 94
	Intrathecal therapy	
Methotrexate i.t. (once weekly)	8/10/12 mg ²	38, 46, 54, 62, 70
Cytarabine i.t. (once weekly)	20 (30)/26 (40)/30 (50) mg ²	38, 46, 54, 62, 70
Prednisone i.t. (once weekly)	6/8/10 mg ²	38, 46, 54, 62, 70

¹dosages according to age: lowest dosage age 1-2 years, intermediate dosage age 2-3 years, highest dosage age > 3 years for standard risk patients , for high risk patients lowest dosage age < 1 year, 2nd dosage age 1-2 years, 3rd dosage age 2-3 years, highest dosage < 4 years

²dosages according to age: lowest dosage age 1-2 years, intermediate dosage age 2-3 years, highest dosage age > 3 years, Cytarabine dosages in brackets for high risk patients