

**Supplemental Table 1. Clinical definitions used in the study.**

Category	Criteria/definition
<b>Infusion indications</b> (definitions of graft function according to stated EBMT criteria)	
<i>Primary graft failure (GF)</i>	ANC <0.5x10 <sup>9</sup> /L by day +28 Hemoglobine <80 g/L and platelets <20x10 <sup>9</sup> /L RIC: Confirmation of donor cell origin is required CBT: Up to day +42
<i>Secondary graft failure</i>	ANC <0.5x10 <sup>9</sup> /L after initial engraftment not related to relapse, infection or drug toxicity
<i>Poor graft function (PGF)</i>	Two or three cytopenias >2 weeks, after day +28 in the presence of donor chimerism >5%
<i>Graft rejection (GR)</i>	GF caused by immune rejection of donor cells mediated by host cells
<b>Transfusion dependency and G-CSF treatment</b> (decided by authors)	
<i>Pre-infusion</i>	Transfusions/doses given during the last month prior to αβ T-cell depleted infusion
<i>Post-infusion</i>	Transfusions/doses given day +30 to day +180 after αβ T-cell depleted infusion
<b>Overall clinical grading of severity of acute GVHD</b> (according to previous literature)	
Glucksberg, H., <i>et al.</i> , Clinical manifestations of graft-versus-host disease in human recipients of marrow from HLA-matched sibling donors. <i>Transplantation</i> , 1974. 18(4): p. 295-304	
<i>Abbreviations:</i> ANC, absolute neutrophil count; RIC: reduced intense conditioning; CBT, cord blood transplantation.	