

Autologous Regimen Chart

Smart Phrase	Protocol Name	Chemo Regimen	Admit Day	Notes
.BMTAUTOMEL	Melphalan 200 mg/m ²	Melphalan 200 mg/m ² IV once on day -2	Day -2	Tbo-filgrastim to start on day +5
Reference: Child JA, et al. <i>N Engl J Med.</i> 2003;348:1875-83.				
.BMTAUTOMEL	Melphalan 140 mg/m ²	Melphalan 140 mg/m ² IV once on day -2	Day -2	Tbo-filgrastim to start on day +5
Reference: Badros A, et al. <i>Br J Haematol.</i> 2001;114:822-29.				
.BMTAUTOBEAM	BEAM	Carmustine (BCNU) 300 mg/m ² IV on day -6 Etoposide (VP-16) 200 mg/m ² IV on days -5, -4, -3, -2 Cytarabine (Ara-C) 200 mg/m ² IV q12hrs on days -5, -4, -3, -2 Melphalan 140 mg/m ² IV on day -1	Day -6	Tbo-filgrastim to start on day +5
Reference: Mills W, et al. <i>J Clin Oncol</i> 1995;13:588-595.				
.BMTAUTOTBC	Thiotepa/Busulfan/Cyclophosphamide (TBC)	Thiotepa 250 mg/m ² IV daily on days -9, -8, -7 Busulfan 3.2 mg/kg IV daily on days -6, -5, -4 Cyclophosphamide 60 mg/kg IV daily on days -3, -2 Mesna 60 mg/kg IV daily on days -3, -2	Day -9	Treatment criteria for this regimen includes: age ≤ 55, primary CNS lymphoma, isolated CNS relapse, or systemic relapse with CNS involvement, and a HCT-CI score of < 3. Palifermin 60 mcg/kg/day IV to be given for 3 doses prior to start of conditioning chemotherapy, with 24 hours between last dose of palifermin and first dose of chemotherapy. Palifermin to be repeated x 3 doses on days 0, +1, and +2 after stem cell infusion complete. Tbo-filgrastim to start on day +5
References: Chen Y, et al. <i>Cancer</i> 2015;121:226-33. Omuro A, et al. <i>Blood</i> 2015;125(9):1403-1410.				
.BMTAUTOCE	Carboplatin/Etoposide (CE – Tandem Auto)	Carboplatin dosed per AUC IV daily on days -4, -3, -2 - If < 6 cycles of platinum containing regimen: AUC 8 - If >6 cycles of platinum containing regimen: AUC 7 Etoposide 400 mg/m ² IV daily on days -4, -3, -2	Day -4	Tbo-filgrastim to start on day 0 Triple tandem regimen with each cycle lasting 21-28 days.
References: Kondagunta GV, et al. <i>J Clin Oncol</i> 2007;25:85-90. Feldman DR, et al. <i>J Clin Oncol</i> 2010;28:1706-1713.				
.BMTAUTOBENDAEAM	BendaEAM (BeEAM)	Bendamustine 200 mg/m ² IV on days -7, -6 Etoposide (VP-16) 200 mg/m ² IV on days -5, -4, -3, -2 Cytarabine (Ara-C) 200 mg/m ² IV q12hrs on days -5, -4, -3, -2 Melphalan 140 mg/m ² IV on day -1	Day -7	Tbo-Filgrastim to start day +5
Reference: Visani G, et al. <i>Blood</i> 2011;118:3419-3425				
.BMTAUTOBCNUTHIO	Carmustine/Thiotepa	Carmustine 400 mg/m ² IV on day -6 Thiotepa 5 mg/kg IV Q12 hours on days -5 and -4	Day -6	Tbo-Filgrastim to start on day +5
Reference: Ferreri AJM et al. <i>Lancet Haematol.</i> 2017;4:e510-e523.				