

VC: BP / Purdy / GPC

	2. , . a. a, , c. c		ADDRI	ESSOGRAPH	
	COMPLET	E OR REVIEW ALLERGY STA	TUS PRIOR TO WRITIN	NG ORDERS	
C		BMT MA C RELATED DONOR ALLOGENEI CLOPHOSPHAMIDE, TOTAL BO (items with check boxes must b	C STEM CELL TRANSF ODY IRRADIATION and	_	YTE GLOBULIN
Date	:	Time:	,		(Page 1 of 4) Time Processed
	Consent signed for chemothe	erapy			RN/LPN Initials Comments
	Must be completed prior to assessed for the possibility of	ordering chemotherapy: This persor f pregnancy.	n of child bearing potential has	s been	
	Prescriber's signature	Printed name	College ID		
		Chemotherapy Dosing Calcul	ations		
	11.2.17	, , , , , , , , , , , , , , , , , , ,			
	Height: cm	d weight on Nursing Assessment Form	and must be co-signed by 2 f		
	$BMI(kg/m^{2}) = \frac{Weight(kg)}{[Height(m)]}$		BMI = kg/ m <sup>2</sup>		
	Ideal Body Weight:		Ideal Body Weight =	ka	
	Male = $50 + 0.91$ (height in cm Female = $45.5 + 0.91$ (height i		ideal Body Weight -	\\g	
	Adjusted Body Weight (ABW	/):	Adjusted Body Weight = _	ka	
	ABW = Ideal Body Weight (IB\	N)+ 0.4(Actual Body Weight – IBW)	Adjusted Body Weight	ky	
	$BSA(m^2) = \sqrt{\frac{Height(cm)}{3}}$	$\times$ Weight(kg)	BSA =	_ <b>m</b> ²	
	Nound all BSA calculations to		Adjusted BSA =	m²	
Weig <b>MON</b>	ht IITORING:	clophosphamide, then once daily until	, ,		
	Measure in/output Q4H during	hyperhydration with cyclophosphamide	e. See Supportive Care.		
	During each anti-thymocyte glo	obulin (rabbit) infusion: Monitor vital sign	ns Q15MIN x 4; then Q30MIN	x 4; then Q4H.	
LAB	ORATORY: Serum creatinine and bilir	ubin (total and direct) level in AM of ea	ch methotrexate dose.		
	Day +2 (date):	draw cyclosporine trough level a	t 05:30 and repeat every Mon	day and Thursday.	
	Day +7 (date):	draw CMV PCR then repeat every	/ Monday through day +100 o	r longer if indicated	
	Day +7 (date):	draw EBV PCR then repeat every	Monday through day +100 or	longer if indicated	
Pre	scriber's Signature	Printed Name VCH.VA.PPO.966   Rev.J	College	e ID	



VC: BP / Purdy / GPC

ADDRESSOGRAPH

### COMPLETE OR REVIEW ALLERGY STATUS PRIOR TO WRITING ORDERS

### **BMT MA CYTBIATG**

RELATED OR UNRELATED DONOR ALLOGENEIC STEM CELL TRANSPLANT MYELOABLATIVE CONDITIONING with CYCLOPHOSPHAMIDE, TOTAL BODY IRRADIATION and ANTI-THYMOCYTE GLOBULIN					
(items with check boxes must be selected to be ordered)	(Page 2 of 4)				
Date: Time:	Time Processed RN/LPN Initials Comments				
INTRAVENOUS: Hyperhydration:  potassium chloride mmol and magnesium sulphate g in dextrose 5%-sodium chloride 0.45% (D5 ½ NS) 1000 mL IV at mL/h (3000 mL/m²/day) at 06:00 starting on day -6 (date): and continuuntil 48 hours after last dose of cyclophosphamide then decrease to mL/h.	2				
MEDICATIONS: Premedications: Starting day -6 (date), 30 minutes prior to first dose of chemotherapy, give aprepitant 125 mg daily x 1, the give 80 mg daily x 2 days (day -5 and day -4), then stop.	nen				
Starting day -6 (date), to day -1 (date), 30 minutes prior to first dose of chemotherapy, ondansetron 8 mg PO BID *AND* dexamethasone 8 mg PO daily	give:				
Starting day 0 (date) to day +1 (date), give dexamethasone 8 mg PO daily x 2 days					
Breakthrough nausea and vomiting anti-emetics:					
prochlorperazine 10 mg PO Q6H PRN					
metoclopramide 10 to 20 mg PO/IV Q6H PRN					
LORazepam 1 mg PO/IV Q6H PRN					
Chemotherapy:  BCCA Code for PCIS order entry: BMTNOS  All intensive chemotherapy and transplant chemotherapy orders require 2 prescriber signatures, one of whom must be attending physician.	e an				
cyclophosphamidemg (50 mg/kg, round to nearest 100 mg) in sodium chloride 0.9% (NS) IV over 2 hours at 10:00 daily.					
Give day -6 (date):, day -5 (date):, and day -4 (date): Total of 3 doses.					
furosemide 20 mg IV after the completion of each dose of cyclophosphamide.					
Total Body Irradiation (200 cGy BID) on day -3 (date):, day -2 (date):, day -1 (date):	,				
Prescriber's Signature  Printed Name  College ID  VCH.VA.PPO.966   Rev.JUN.2022					



ADDRESSOGRAPH

### COMPLETE OR REVIEW ALLERGY STATUS PRIOR TO WRITING ORDERS

#### **BMT MA CYTBIATG**

RELATED OR UNRELATED DONOR ALLOGENEIC STEM CELL TRANSPLANT MYELOABLATIVE CONDITIONING with CYCLOPHOSPHAMIDE, TOTAL BODY IRRADIATION and ANTI-THYMOCYTE GLOBULII				
	(items with check boxes must be selected to be ordered)	(Page 3 of 4)		
	Time:	Time Processed RN/LPN Initials Comments		
MEDICATIONS: Chemotherapy continued:				
Give on day –3 (date): Give on day –2 (date): Give on day -1 (date):	THYMOGLOBULIN) (use actual weight)  (dose) mg (0.5 mg/kg, round to nearest 1 mg) IV x 1 dose at 16:00.  (dose) mg (2 mg/kg, round to nearest 5 mg) IV x 1 dose at 16:00.  (dose) mg (2 mg/kg, round to nearest 5 mg) IV x 1 dose at 10:00.  (4.5 mg/kg total)			
diphenhydrAMINE 50 acetaminophen 650	anti-thymocyte globulin (rabbit) infusion:  O mg PO x 1 dose one hour prior to, and Q4H during the infusion mg PO x 1 dose once hour prior to, and Q4H during the infusion ng IV x 1 dose one hour prior			
	ulin (rabbit) through an in-line 0.2 micron filter. Initial dose (day -3) to be infused 24 hours) If no reaction, subsequent doses can be infused over a minimum of 4 hours. ch dose with Pharmacy.			
Hematopoietic progenitor cells Stem cell infusion can be per	to be infused on day 0 (date):formed immediately after the last dose of TBI; in this case day -1 becomes day 0.			
GRAFT VERSUS HOST DISEASE BCCA Code for PCIS order entry: N All intensive chemotherapy and to attending physician.				
cycloSPORINE (D5W) IV Q12H at 06:00 a	mg (1.5 mg/kg, use actual weight, round dose to nearest 5 mg) in dextrose 5% and 18:00. Infuse over 4 hours. Start at 18:00 on Day -2 (date)			
	ulate methotrexate dose when Ideal Body Weight is less than Actual Weight Check with each dose of methotrexate.			
methotrexate	mg (15 mg/m2, round to nearest 1 mg) IV over 20 minutes. Administer at least 24			
hours after hem	atopoietic progenitor cell infusion.			
Start on Day +1 (date	9)			
	mg (10 mg/m2, round to nearest 1 mg) IV over 20 minutes.			
Give on Day +3 (date	e), Day +6 (date), and Day +11 (date)			
Prescriber's Signature	Printed Name College ID			
-	VCH VA PPO 966   Rev.JUN 2022			



VC: BP / Purdy / GPC

ADDRESSOGRAPH

### **COMPLETE OR REVIEW ALLERGY STATUS PRIOR TO WRITING ORDERS**

### **BMT MA CYTBIATG**

	(items with check boxes must be selected to be ordered)	(Page 4 of 4)
te:	Time:	Time Processed RN/LPN Initial Comments
upportive Care:		
furosemide 20 mg IV cyclophosphamide.	x 1 dose PRN if output less than 400 mL in a 4 hour period during hyperhydration for	
ursodiol (choose ON	E dosing regimen only):	
☐ 250 mg P0	O BID (for actual weight less than 40 kg)	
☐ 250 mg P0	O AM and 500 mg PO PM (for actual weight 40 kg to 70 kg)	
☐ 500 mg P0	O BID (for actual weight greater than 70 kg)	
Start on day -7	(date): and continue until day +90 (date):	
micafungin 100 mg I	IV daily. Start day +1 (date):	
If HSV seropositive i	recipient give:	
	ovir 500 mg PO BID <b>★OR</b> ★ acyclovir mg (5 mg/kg, round to nearest 25 mg, us ody weight if patient BMI is 30 or greater) IV Q12H.	e ideal
S	start day +1 (date):	
PRINTE  Cell Infusion: as per	completed FEBRILE NEUTROPENIA – INPATIENT INITIAL MANAGEMENT (#302) PED ORDERS. completed INFUSION of HEMATOPOIETIC PROGENITOR CELLS or THERAPEUTIC RE-PRINTERED ORDERS.	
NOTES TO DDESC	RIBER (Unit Clerk/Pharmacy do not process – reminders for Prescriber only).	
If HBsAg or An	ti-HBc positive start lamivudine 100 mg PO daily (complete Special Authority Form) and til at least 12 months post-transplant or longer if patient continues immunosuppressive or	
	s should be started by day+28 and continue until at least 12 months post transplant or least immunosuppressive drugs.	onger
	prophylaxis until at least 12 months post transplant or longer if patient continues pressive drugs.	
Refer to L/BMT	manual for methotrexate dosing guidelines.	