IF YOU RECEIVED THIS FACSIMILE IN ERROR, PLEASE CALL 604-875-4077 IMMEDIATELY Vancouver CoastalHealth LOBULIN

| VA: VGH / UBCH / GFS | | | |
|----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|-----------------------------|--|
| VC: BP / Purdy / GPC ORDERS | ADDRESSOGRAPH | | |
| COMPLETE OR REVIEW ALLERGY STATUS PRIOR TO WRITING ORDERS | | | |
| BMT MA BU | _ | | |
| RELATED OR UNRELATED DONOR ALL | | | |
| MYELOABLATIVE CONDITIONING with BUSULFAN, CYC (items with check boxes must b | | (Page 1 of 4) | |
| Date: Time: | , | Time Processed | |
| Consent signed for chemotherapy | | RN/LPN Initials Comments | |
| Must be completed prior to ordering chemotherapy: This person assessed for the possibility of pregnancy. | of child bearing potential has been | | |
| Prescriber's signature Printed name | College ID | | |
| Chemotherapy Dosing Calcu | lations | | |
| Height: cm | Actual Weight: kg | | |
| Document height and weight on Nursing Assessment Form | n and must be co-signed by 2 RNs | | |
| $BMI(kg/m^2) = \frac{Weight(kg)}{[Height(m)]^2} $ OR https://www.nhlbi.nih.gov/health/educational/lose_wt/BMI/bmi-m.htm | BMI = kg/ m² | | |
| | | | |
| Ideal Body Weight: Male = 50 + 0.91 (height in cm – 152.4) | Ideal Body Weight = kg | | |
| Female = 45.5 + 0.91 (height in cm – 152.4) | | | |
| Adjusted Body Weight (ABW): ABW = Ideal Body Weight (IBW)+ 0.4(Actual Body Weight – IBW) | Adjusted Body Weight = kg | | |
| | DCA2 | | |
| $BSA(m^2) = \sqrt{\frac{Height(cm) \times Weight(kg)}{3600}}$ | BSA = m² | | |
| Round all BSA calculations to 2 decimal places | Adjusted BSA = m² | | |
| Use Adjusted body weight or Adjusted BSA to calculate chemotherapy do Weight | ses when Ideal Body Weight is less than Actual | | |
| MONITORING: | | | |
| Urine hemastix once prior to cyclophosphamide, then once daily until cyclophosphamide. Start day -3 (date): | 48 hours after the completion of | | |
| Measure in/output Q4H during hyperhydration with cyclophosphamid | le. See Supportive Care. | | |
| During each anti-thymocyte globulin (rabbit) infusion: Monitor vital sig | | | |
| LABORATORY: | | | |
| Serum creatinine and bilirubin (total and direct) level in AM of ea | ach methotrexate dose. | | |
| Day +2 (date): draw cyclosporine trough level at | | | |
| Day +7 (date): draw CMV PCR then repeat every Monday through day +100 or longer if indicated. | | | |
| Day +7 (date): draw EBV PCR then repeat every | | | |
| | | | |
| Described A Circusture | Callaga ID | | |

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COMPLETE OR REVIEW ALLERGY STATUS PRIOR TO WRITING ORDERS

| BMT MA BUCYATG | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--|--|
| RELATED OR UNRELATED DONOR ALLOGENEIC STEM CELL TRANSPLANT MYELOABLATIVE CONDITIONING with BUSULFAN, CYCLOPHOSPHAMIDE and ANTI-THYMOCY (items with check boxes must be selected to be ordered) | TE GLOBULIN (Page 2 of 4) | | |
| Date: Time: | Time Processed RN/LPN Initials | | |
| INTRAVENOUS: Hyperhydration: potassium chloride mmol and magnesium sulphate g in dextrose 5%-sodium chloride 0.45% (D5-1/2 NS) 1000 mL IV at mL/h (3000 mL/m²/day) at 04:00 starting on day -3 (date): and continue until 48 hours after last dose of cyclophosphamide then decrease to mL/h. | Comments | | |
| MEDICATIONS: Premedications: Starting day -7 (date), to day -1 (date), 30 minutes prior to first dose of chemotherapy, give: ondansetron 8 mg PO BID *AND* dexamethasone 8 mg PO daily | | | |
| Starting day -3 (date), 30 minutes prior to first dose of chemotherapy, give aprepitant 125 mg daily x 1, then give 80 mg daily x 2 days (day -2 and day -1), then stop | | | |
| Day 0 (date) give dexamethasone 8 mg PO daily x 1 | | | |
| 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: BMTIVBUCY All intensive chemotherapy and transplant chemotherapy orders require 2 prescriber signatures, one of whom must be an attending physician. | | | |
| LORazepam 1 mg SL/IV Q6H (at 09:00, 15:00, 21:00, 03:00) for seizure prophylaxis. Start at 09:00. Start day –7 (date):to day -3 (date): | | | |
| busulfanmg (3.2 mg/kg, round to nearest 5 mg) in sodium chloride 0.9% (NS) IV over 3 hours at 10:00 daily. | | | |
| Start day -7 (date):to day -4 (date): Total of 4 doses. | | | |
| cyclophosphamidemg (60 mg/kg, round to nearest 100 mg) in sodium chloride 0.9% (NS) IV over 2 hours at 08:00 daily. | | | |
| Start day -3 (date): to day -2 (date): Total of 2 doses. | | | |
| furosemide 20 mg IV after the completion of each dose of cyclophosphamide. | | | |
| Prescriber's Signature Printed Name College ID VCH.VA.PPO.967 Rev.JUN.2022 | | | |

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COMPLETE OR REVIEW ALLERGY STATUS PRIOR TO WRITING ORDERS

BMT MA BUCYATG

| RELATED OR UNRELATED DONOR ALLOGENEIC STEM CELL TRANSPLANT MYELOABLATIVE CONDITIONING with BUSULFAN, CYCLOPHOSPHAMIDE and ANTI-THYMOCYTE GLOBULIN (items with check boxes must be selected to be ordered) (Page 3 of 4) | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|--|
| Date: Time: | Time Processed RN/LPN Initials Comments | |
| MEDICATIONS: Chemotherapy continued: | | |
| anti-thymocyte globulin (rabbit, THYMOGLOBULIN) (use actual weight) Give on day –3 (date): (dose) mg (0.5 mg/kg, round to nearest 1 mg) IV x 1 dose at 10:00. Give on day –2 (date): (dose) mg (2 mg/kg, round to nearest 5 mg) IV x 1 dose at 10:00. Give on day -1 (date): (dose) mg (2 mg/kg, round to nearest 5 mg) IV x 1 dose at 10:00. Total of 3 doses (4.5 mg/kg total) | | |
| Premedications for each anti-thymocyte globulin (rabbit) infusion: diphenhydrAMINE 50 mg PO x 1 dose one hour prior to, and Q4H during the infusion acetaminophen 650 mg PO x 1 dose one hour prior to, and Q4H during the infusion hydrocortisone 100 mg IV x 1 dose one hour prior | | |
| Infuse anti-thymocyte globulin (rabbit) through an in-line 0.2 micron filter. Initial dose (day -2) to be infused over 8 to 12 hours (up to 24 hours). If no reaction, subsequent doses can be infused over a minimum of 4 hours. Confirm the need for each dose with Pharmacy. | | |
| Hematopoietic progenitor cells to be infused on day 0 (date): at least 48 hours after completion of last dose of cyclophosphamide. | | |
| GRAFT VERSUS HOST DISEASE PROPHYLAXIS: BCCA Code for PCIS order entry: NOT COVERED | | |
| All intensive chemotherapy and transplant chemotherapy orders require 2 prescriber signatures, one of whom must be an attending physician. | | |
| cycloSPORINE mg (1.5 mg/kg, use actual weight, round dose to nearest 5 mg) in dextrose 5% (D5W) IV Q12H at 06:00 and 18:00. Infuse over 4 hours. Start at 18:00 on Day -2 (date) | | |
| methotrexate: Use Adjusted BSA to calculate methotrexate dose when Ideal Body Weight is less than Actual Weight Check with prescriber prior to giving each dose of methotrexate. | | |
| methotrexate mg (15 mg/m2, round to nearest 1 mg) IV over 20 minutes. Administer at least 24 | | |
| hours after hematopoietic progenitor cell infusion. | | |
| Start on Day +1 (date) | | |
| methotrexatemg (10 mg/m2, round to nearest 1 mg) IV over 20 minutes. | | |
| Give on Day +3 (date), Day +6 (date), and Day +11 (date) | | |
| Prescriber's Signature Printed Name College ID VCH.VA.PPO.967 Rev.JUN.2022 | | |

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COMPLETE OF DEVIEW ALLEDGY STATUS DRIOD TO WRITING OFFERS

| COMPLETE OR I | REVIEW ALLERGY STATUS PRIOR TO WRITING ORDER | 3 |
|------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| MYELOABLATIVE CONDITIONING | BMT MA BUCYATG RELATED DONOR ALLOGENEIC STEM CELL TRANSPLAN 5 with BUSULFAN, CYCLOPHOSPHAMIDE and ANTI-THYM ems with check boxes must be selected to be ordered) | |
| Date: Time | | Time Processed RN/LPN Initials Comments |
| Supportive Care: | | |
| furosemide 20 mg IV x 1 dose PRN if ou cyclophosphamide. | tput less than 400 mL in a 4 hour period during hyperhydration for | |
| ursodiol (choose ONE dosing regimen o | only): | |
| 250 mg PO BID (for actual we | ight less than 40 kg) | |
| ☐ 250 mg PO Q0800 and 500 m | ng PO Q2000 (for actual weight 40 kg to 70 kg) | |
| ☐ 500 mg PO BID (for actual we | eight greater than 70 kg) | |
| Start on day -8 (date): | and continue until day +90 (date): | |
| micafungin 100 mg IV daily. | | |
| Start day +1 (date): | | |
| If HSV seropositive recipient give: | | |
| valACYclovir 500 mg PO BID | D★ OR ★ acyclovirmg (5 mg/kg, round to nearest 25 mg, use ideal t BMI of 30 or greater) IV Q12H. | |
| Start day +1 (date): | | |
| PRINTED ORDERS. | LE NEUTROPENIA – INPATIENT INITIAL MANAGEMENT (#302) PRE- ON of HEMATOPOIETIC PROGENITOR CELLS or THERAPEUTIC CELL ORDERS. | S (# |
| NOTES TO DRESCRIBER (Unit Clark/ | Pharmacy do not process – reminders for Prescriber only). | 7 |
| If HBsAg or Anti-HBc positive start | t lamivudine 100 mg PO daily (complete Special Authority Form) and as post-transplant or longer if patient continues immunosuppressive drugs. | |
| PJP prophylaxis should be started if patient continues immunosup | by day+28 and continue until at least 12 months post transplant or longer opressive drugs. | |
| Continue VZV prophylaxis until at immunosuppressive drugs. | least 12 months post transplant or longer if patient continues | |
| Refer to L/BMT manual for methot | rexate dosing guidelines. | |
| | | |
| Prescriber's Signature | Printed Name College ID VCH.VA.PPO.967 Rev.JUN.2022 | |