

IP CAGT ALLOGENEIC SCT FLU-MEL-CAM

Types: ONCOLOGY TREATMENT

Synonyms: FLU, FLUDARA, MELPHALAN, ALKERAN, SARCOLYSIN, ALEMTUZUMAB, ALAN, BMT, CAGT, ALLOGENEIC, SCT, FLUMELCAM

Transplant	Repeat 1 time	Cycle length: 90 days
Day -5 through -1 Perform every 1 day x1		
Line Flush		
sodium chloride 0.9 % flush 20 mL Dose: 20 mL Route: intravenous PRN Start: S		
Pre-Medications		
ondansetron (ZOFRAN) tablet 8 mg Dose: 8 mg Route: oral every 24 hours for 4 doses Start: S Instructions: Day -5 through Day -2		
OLANzapine (ZYPREXA) tablet 10 mg Dose: 10 mg Route: oral daily for 4 doses Start: S+4 8:00 AM Instructions: Day -1 through Day +2		
ondansetron (ZOFRAN) tablet 16 mg Dose: 16 mg Route: oral once for 1 dose Start: S+4 8:00 AM Instructions: Day -1 prior to Melphalan		
dexamethasone (DECADRON) tablet 12 mg Dose: 12 mg Route: oral once for 1 dose Start: S+4 8:00 AM Instructions: Day -1 prior to Melphalan		
ondansetron (ZOFRAN) tablet 8 mg Dose: 8 mg Route: oral every 8 hours for 10 doses Start: S+4 9:00 PM		
Supportive Care		
acyclovir (ZOVIRAX) 5 mg/kg (Ideal) Dose: 5 mg/kg Route: intravenous every 8 hours Start: S		
fluconazole (DIFLUCAN) tablet 200 mg Dose: 200 mg Route: oral daily Start: S		
levoFLOxacIn (LEVAQUIN) tablet 500 mg Dose: 500 mg Route: oral daily at 0600 (time critical) Start: S+8 Instructions: Start Day +3		
Antiemetics		
promethazine (PHENERGAN) injection 25 mg Dose: 25 mg Route: intravenous every 4 hours PRN Start: S		
Chemotherapy		
fludarabine (FLUDARA) 30 mg/m2 in sodium chloride 0.9% 100 mL chemo IVPB Dose: 30 mg/m2 Route: intravenous every 24 hours over 30 Minutes for 4 doses		

Start: S
Instructions:
Day -5, -4, -3, -2.

Ingredients:	Name	Type	Dose	Selected	Adds Vol.
	FLUDARABINE 50 MG INTRAVENOUS SOLUTION	Medications	30 mg/m2	Main Ingredient	Yes
	SODIUM CHLORIDE 0.9 % INTRAVENOUS SOLUTION	QS Base	100 mL	Yes	Yes
	DEXTROSE 5 % IN WATER (D5W) INTRAVENOUS SOLUTION	QS Base		No	Yes

Additional Orders

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Interval: Daily Occurrences: --
Comments: -Monitor VS (temperature, pulse, respirations, and blood pressure) every 15 minutes during Alemtuzumab infusion and for 1 hour following completion.
-Continuous oxygen saturation monitoring during Alemtuzumab infusion and for 1 hour following completion. Keep oxygen at bedside through Day 0.
-STOP INFUSION and CONTACT MD if any of the following occur: shortness of breath, wheezing, chills, severe myalgia, hypotension, rash, or chest pain.

Chemotherapy

alemtuzumab (CAMPATH) 10 mg in sodium chloride 0.9% 100 mL IVPB

Dose: 10 mg Route: intravenous every 24 hours over 2 Hours for 3 doses
Start: S+1
Instructions:
Day -4, -3, -2.

Ingredients:	Name	Type	Dose	Selected	Adds Vol.
	ALEMTUZUMAB 30 MG/ML INTRAVENOUS SOLUTION	Medications	10 mg	Main Ingredient	Yes
	SODIUM CHLORIDE 0.9 % INTRAVENOUS SOLUTION	Base	100 mL	Yes	Yes
	DEXTROSE 5 % IN WATER (D5W) INTRAVENOUS SOLUTION	Base	100 mL	No	Yes

TRANSFUSION REACTION EVALUATION

Interval: Until discontinued Occurrences: --
Comments: Ice chips and / or popsicles to patient 30 minutes prior, during and for 30 minutes following Melphalan infusion.

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Interval: Once Occurrences: --
Comments: Administer Melphalan NO later than 10:00 am.

melphalan HCL (ALKERAN) 140 mg/m2 in sodium chloride 0.9% 250 mL chemo IVPB

Dose: 140 mg/m2 Route: intravenous once over 15 Minutes for 1 dose
 Start: S+4 9:00 AM
 Instructions:
 Day -1.

Infuse within 60 minutes from vial reconstitution.

Ingredients:	Name	Type	Dose	Selected	Adds Vol.
	MELPHALAN 50 MG INTRAVENOUS SOLUTION	Medications	140 mg/m2	Main Ingredient	Yes
	SODIUM CHLORIDE 0.9 % INTRAVENOUS SOLUTION	QS Base	250 mL	Yes	Yes

Additional Orders

acetaminophen (TYLENOL) tablet 650 mg

Dose: 650 mg Route: oral every 24 hours
 Start: S+1
 Instructions:
 PREMED FOR ALEMTUZUMAB.

diphenhydramine (BENADRYL) injection 25 mg

Dose: 25 mg Route: intravenous every 24 hours
 Start: S+1
 Instructions:
 PREMED for ALEMTUZUMAB.

hydrocortisone sodium succinate (Solu-CORTEF) injection 100 mg

Dose: 100 mg Route: intravenous every 24 hours
 Start: S+1
 Instructions:
 PREMED for ALEMTUZUMAB

meperidine (DEMEROL) injection 12.5 mg

Dose: 12.5 mg Route: intravenous every 15 min PRN for 3 doses
 Start: S+1

Line Flush

sodium chloride 0.9 % flush 20 mL

Dose: 20 mL Route: intravenous PRN

Acute Graft Versus Host Prophylaxis

tacrolimus (PROGRAF) 0.02 mg/kg in sodium chloride (NON-PVC) 0.9 % 250 mL infusion

Dose: 0.02 mg/kg Route: intravenous every 24 hours over 24 Hours
 Start: S+3 4:00 PM
 Instructions:
 Start Day -2.

Ingredients:	Name	Type	Dose	Selected	Adds Vol.
	TACROLIMUS 5 MG/ML INTRAVENOUS SOLUTION	Medications	0.02 mg/kg	Main Ingredient	No
	SODIUM CHLORIDE 0.9 % IV SOLP (EXCEL;NON-PVC)	Base	250 mL	Yes	Yes
	DEXTROSE 5 % IN WATER (D5W) IV SOLP (EXCEL; NON-PVC)	Base	250 mL	No	Yes

Day 0

Perform every 1 day x1

Line Flush

sodium chloride 0.9 % flush 20 mLDose: 20 mL Route: intravenous PRN
Start: S

Pre-Medications

acetaminophen (TYLENOL) tablet 650 mgDose: 650 mg Route: oral once for 1 dose
Start: SInstructions:
Premed for TRANSPLANT**diphenhydramine (BENADRYL) injection 25 mg**Dose: 25 mg Route: intravenous once for 1 dose
Start: SInstructions:
Premed for TRANSPLANT**hydrocortisone sodium succinate (Solu-CORTEF) injection 100 mg**

Dose: 100 mg Route: intravenous once for 1 dose

Instructions:
Premed for TRANSPLANT

Transplant Orders

ONC NURSING COMMUNICATION 55Interval: Once Occurrences: --
Comments: -Oxygen at bedside during transplantation
 -Anaphylaxis precautions at bedside during transplant:**meperidine (DEMEROL) injection 12.5 mg**Dose: 12.5 mg Route: intravenous every 15 min PRN for 3 doses
Start: SInstructions:
Administer every 15 minutes x 3 doses PRN
for each episode of rigors (if rigors persist, call MD).**epINEPHrine (ADRENALIN) 1 mg/1 mL injection 0.3 mg**Dose: 0.3 mg Route: subcutaneous PRN
Start: S End: S+1**diphenhydramine (BENADRYL) injection 25 mg**Dose: 25 mg Route: intravenous PRN
Start: S End: S+1**hydrocortisone sodium succinate (Solu-CORTEF) injection 100 mg**

Dose: 100 mg Route: intravenous PRN

Day 1

Perform every 1 day x1

Line Flush

sodium chloride 0.9 % flush 20 mLDose: 20 mL Route: intravenous PRN
Start: S

Antiemetics

ondansetron ODT (ZOFTRAN-ODT) disintegrating tablet 8 mgDose: 8 mg Route: oral every 8 hours PRN
Start: S+2

Post-Transplant Orders

ONC NURSING COMMUNICATION 56

Interval: Once

Occurrences: --

Comments:

-Oxygen at bedside 24 hours after transplantation

-Anaphylaxis precautions at bedside 24 hours after transplant:

meperidine (DEMEROL) injection 12.5 mg

Dose: 12.5 mg

Route: intravenous

every 15 min PRN for 3 doses

Start: S

Instructions:

Administer every 15 minutes x 3 doses PRN
for each episode of rigors (if rigors persist, call
MD).

**epINEPHrine (ADRENALIN) 1 mg/1 mL injection
0.3 mg**

Dose: 0.3 mg

Route: subcutaneous

PRN

Start: S

End: S+1

**diphenhydrAMINE (BENADRYL) injection 25
mg**

Dose: 25 mg

Route: intravenous

PRN

Start: S

End: S+1

**hydrocortisone sodium succinate
(Solu-CORTEF) injection 100 mg**

Dose: 100 mg

Route: intravenous

PRN