

IP CAGT AUTOLOGOUS SCT HIGH DOSE MELPHALAN

Types: ONCOLOGY TREATMENT

Synonyms: MELPHALAN, ALKERAN, MELP, ALK, BMT, CAGT, AUTOLOGOUS, SCT

Transplant	Repeat 1 time	Cycle length: 90 days
Day -2 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		
OLANzapine (ZYPREXA) tablet 10 mg Dose: 10 mg Route: oral daily for 4 doses Start: S 8:00 AM		
ondansetron (ZOFTRAN) tablet 16 mg Dose: 16 mg Route: oral once for 1 dose Start: S 8:00 AM		
dexamethasone (DECADRON) tablet 12 mg Dose: 12 mg Route: oral once for 1 dose Start: S 8:00 AM		
ondansetron (ZOFTRAN) tablet 8 mg Dose: 8 mg Route: oral every 8 hours Start: S+1 9:00 AM		
Supportive Care		
fluconazole (DIFLUCAN) tablet 200 mg Dose: 200 mg Route: oral daily Start: S		
acyclovir (ZOVIRAX) tablet 800 mg Dose: 800 mg Route: oral daily Start: S		
levoFLOxacIn (LEVAQUIN) tablet 500 mg Dose: 500 mg Route: oral daily at 0600 (time critical) Start: S+3 Instructions: Starting on Day +1.		
Antiemetics		
promethazine (PHENERGAN) injection 25 mg Dose: 25 mg Route: intravenous every 4 hours PRN Start: S		
Provider Communication		
ONC PROVIDER COMMUNICATION 28 Interval: -- Occurrences: -- Comments: Okay to change medications to either IV or ODT formulation if patient is unable to tolerate oral.		
Chemotherapy		
ONC NURSING COMMUNICATION 22 Interval: Once Occurrences: -- Comments: Provide ice chips and / or popsicles to patient 30 minutes prior, during and for 30 minutes following Melphalan infusion.		
melfhalan HCL (ALKERAN) 200 mg/m2 in sodium chloride 0.9% 250 mL chemo IVPB Dose: 200 mg/m2 Route: intravenous once over 15 Minutes for 1 dose		

Start: S 9:00 AM End: S

Instructions:

Day -2.

Infuse within 60 minutes from vial reconstitution.

Ingredients:	Name	Type	Dose	Selected	Adds Vol.
	MELPHALAN 50 MG INTRAVENOUS SOLUTION	Medications	200 mg/m2	Main Ingredient	Yes
	SODIUM CHLORIDE 0.9 % INTRAVENOUS SOLUTION	QS Base	250 mL	Yes	Yes

Line Flush

sodium chloride 0.9 % flush 20 mL

Dose: 20 mL

Route: intravenous

PRN

Day 0

Perform every 1 day x1

Line Flush

sodium chloride 0.9 % flush 20 mL

Dose: 20 mL

Route: intravenous

PRN

Start: S

Pre-Medications

acetaminophen (TYLENOL) tablet 650 mg

Dose: 650 mg

Route: oral

once for 1 dose

Start: S

Instructions:

Premed for TRANSPLANT

diphenhydramine (BENADRYL) injection 25 mg

Dose: 25 mg

Route: intravenous

once for 1 dose

Start: S

Instructions:

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 55

Interval: 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: 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

Start: S

Route: intravenous

End: S+1

PRN

**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 mL

Dose: 20 mL

Start: S

Route: intravenous

PRN

Antiemetics

**ondansetron ODT (ZOFTRAN-ODT)
disintegrating tablet 8 mg**

Dose: 8 mg

Start: S+2

Instructions:

Start Day +3

Route: oral

every 8 hours PRN

Post-Transplant Orders

ONC NURSING COMMUNICATION 56

Interval: Once

Comments:

Occurrences: --

-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

Start: S

Instructions:

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

Route: intravenous

every 15 min PRN for 3 doses

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

Dose: 0.3 mg

Start: S

Route: subcutaneous

End: S+1

PRN

**diphenhydrAMINE (BENADRYL) injection 25
mg**

Dose: 25 mg

Start: S

Route: intravenous

End: S+1

PRN

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

Dose: 100 mg

Route: intravenous

PRN