

OP CAGT CYCLOPHOSPHAMIDE / FLUDARABINE LYMPHODEPLETION – MAGENTA

Types: ONCOLOGY TREATMENT

Synonyms: CAGT, CYCLOPHOSHAMIDE, CYTOXAN, MESNA, FLUDARABINE, FLUDARA, MESNEX, FLU

Cycle 1	Repeat 1 time	Cycle length: 28 days
Day 1	Perform every 1 day x1	
Appointment Requests		
INFUSION APPOINTMENT REQUEST		
Interval: -- Occurrences: --		
Line Flush		
sodium chloride 0.9 % flush 20 mL		
Dose: 20 mL Route: intravenous PRN		
Start: S		
Nursing Orders		
sodium chloride 0.9 % infusion 250 mL		
Dose: 250 mL Route: intravenous once @ 30 mL/hr for 1 dose		
Start: S		
Instructions: To keep vein open.		
Hydration		
sodium chloride 0.9 % infusion		
Dose: 150 mL/hr Route: intravenous once over 6 Hours for 1 dose		
Instructions: Start 1 hour prior to chemotherapy.		
Pre-Medications		
ondansetron (ZOFTRAN) tablet 16 mg		
Dose: 16 mg Route: oral once for 1 dose		
Offset: 30 Minutes		
Instructions: Administer 30 minutes before chemotherapy.		
Pre-Medications		
LORAZepam (ATIVAN) tablet 0.5 mg		
Dose: 0.5 mg Route: oral once for 1 dose		
Offset: 30 Minutes		
Instructions: Administer 30 minutes before chemotherapy.		
Chemotherapy		
mesna (MESNEX) 250 mg/m2 in sodium chloride 0.9 % 100 mL IVPB		
Dose: 250 mg/m2 Route: intravenous once over 30 Minutes for 1 dose		
Offset: 1 Hours		
Instructions: Administer before Mesna/Cyclophosphamide infusion.		
Ingredients:	Name	Type
	MESNA 100 MG/ML INTRAVENOUS SOLUTION	Medications
	SODIUM CHLORIDE 0.9 % INTRAVENOUS SOLUTION	QS Base
		Dose
		250 mg/m2
		Selected
		Main Ingredient
		Adds Vol.
		Yes
		Yes

DEXTROSE 5 % IN QS Base No Yes
 WATER (D5W)
 INTRAVENOUS
 SOLUTION

**cyclophosphamide (CYTOXAN) 500 mg/m2,
 mesna (MESNEX) 500 mg/m2 in dextrose 5%
 500 mL chemo IVPB**

Dose: 500 mg/m2 Route: intravenous once over 2 Hours for 1 dose
 Offset: 1.5 Hours

Ingredients:	Name	Type	Dose	Selected	Adds Vol.
	CYCLOPHOSPHAMIDE 1 GRAM INTRAVENOUS SOLUTION	Medications	500 mg/m2	Main Ingredient	Yes
	MESNA 100 MG/ML INTRAVENOUS SOLUTION	Medications	500 mg/m2	Yes	Yes
	DEXTROSE 5 % IN WATER (D5W) INTRAVENOUS SOLUTION	Base	500 mL	Yes	Yes

**fludarabine (FLUDARA) 30 mg/m2 in sodium
 chloride 0.9 % 100 mL chemo IVPB**

Dose: 30 mg/m2 Route: intravenous once over 30 Minutes for 1 dose
 Offset: 3.5 Hours

Instructions:
 Use within 8 hours of preparation.

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	100 mL	No	Yes

**mesna (MESNEX) oral solution 500 mg/m2
 (Treatment Plan)**

Dose: 500 mg/m2 Route: oral once for 1 dose
 Offset: 5.5 Hours

Instructions:
 Administer TWO hours AFTER
 Mesna/Cyclophosphamide infusion completed.

**mesna (MESNEX) oral solution 500 mg/m2
 (Treatment Plan)**

Dose: 500 mg/m2 Route: oral once for 1 dose
 Offset: 9.5 Hours

Instructions:
 Administer SIX hours AFTER
 Mesna/Cyclophosphamide infusion completed.

Supportive Care

promethazine (PHENERGAN) injection 25 mg

Dose: 25 mg Route: intravenous every 4 hours PRN
 Start: S

Discharge Nursing Orders

Interval: -- Occurrences: --
Comments: Discontinue IV.

Discharge Nursing Orders

sodium chloride 0.9 % flush 20 mL

Dose: 20 mL Route: intravenous PRN

HEParin, porcine (PF) injection 500 Units

Dose: 500 Units Route: intra-catheter once PRN

Start: S

Instructions:

Concentration: 100 units/mL. Heparin flush for
Implanted Vascular Access Device
maintenance.

Days 2,3

Perform every 1 day x2

Appointment Requests

INFUSION APPOINTMENT REQUEST

Interval: -- Occurrences: --

Line Flush

sodium chloride 0.9 % flush 20 mL

Dose: 20 mL Route: intravenous PRN

Start: S

Nursing Orders

sodium chloride 0.9 % infusion 250 mL

Dose: 250 mL Route: intravenous once @ 30 mL/hr for 1 dose

Start: S

Instructions:

To keep vein open.

Hydration

sodium chloride 0.9 % infusion

Dose: 150 mL/hr Route: intravenous once over 6 Hours for 1 dose

Instructions:

Start 1 hour prior to chemotherapy.

Pre-Medications

ondansetron (ZOFTRAN) tablet 16 mg

Dose: 16 mg Route: oral once for 1 dose
Offset: 30 Minutes

Instructions:

Administer 30 minutes before chemotherapy.

Pre-Medications

LORAZepam (ATIVAN) tablet 0.5 mg

Dose: 0.5 mg Route: oral once for 1 dose
Offset: 30 Minutes

Instructions:

Administer 30 minutes before chemotherapy.

Chemotherapy

**mesna (MESNEX) 250 mg/m2 in sodium
chloride 0.9 % 100 mL IVPB**

Dose: 250 mg/m2 Route: intravenous once over 30 Minutes for 1 dose
Offset: 1 Hours

Instructions:

Administer before Mesna/Cyclophosphamide
infusion.

Ingredients:	Name	Type	Dose	Selected	Adds Vol.
	MESNA 100 MG/ML	Medications	250	Main	Yes

INTRAVENOUS SOLUTION		mg/m2	Ingredient	
SODIUM CHLORIDE 0.9 %	QS Base	100 mL	Yes	Yes
INTRAVENOUS SOLUTION				
DEXTROSE 5 % IN WATER (D5W)	QS Base		No	Yes
INTRAVENOUS SOLUTION				

cyclophosphamide (CYTOXAN) 500 mg/m2, mesna (MESNEX) 500 mg/m2 in dextrose 5% 500 mL chemo IVPB

Dose: 500 mg/m2 Route: intravenous once over 2 Hours for 1 dose
Offset: 1.5 Hours

Ingredients:	Name	Type	Dose	Selected	Adds Vol.
	CYCLOPHOSPHAMIDE 1 GRAM	Medications	500 mg/m2	Main	Yes
	INTRAVENOUS SOLUTION			Ingredient	
	MESNA 100 MG/ML	Medications	500 mg/m2	Yes	Yes
	INTRAVENOUS SOLUTION				
	DEXTROSE 5 % IN WATER (D5W)	Base	500 mL	Yes	Yes
	INTRAVENOUS SOLUTION				

fludarabine (FLUDARA) 30 mg/m2 in sodium chloride 0.9 % 100 mL chemo IVPB

Dose: 30 mg/m2 Route: intravenous once over 30 Minutes for 1 dose
Offset: 3.5 Hours

Instructions:
Use within 8 hours of preparation.

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

mesna (MESNEX) oral solution 500 mg/m2 (Treatment Plan)

Dose: 500 mg/m2 Route: oral once for 1 dose
Offset: 5.5 Hours

Instructions:
Administer TWO hours AFTER Mesna/Cyclophosphamide infusion completed.

mesna (MESNEX) oral solution 500 mg/m2 (Treatment Plan)

Dose: 500 mg/m2 Route: oral once for 1 dose
Offset: 9.5 Hours

Instructions:
Administer SIX hours AFTER Mesna/Cyclophosphamide infusion completed.

promethazine (PHENERGAN) injection 25 mg

Dose: 25 mg Route: intravenous every 4 hours PRN
Start: S

Discharge Nursing Orders

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Interval: -- Occurrences: --
Comments: Discontinue IV.

Discharge Nursing Orders

sodium chloride 0.9 % flush 20 mL

Dose: 20 mL Route: intravenous PRN

HEParin, porcine (PF) injection 500 Units

Dose: 500 Units Route: intra-catheter once PRN
Start: S
Instructions:
Concentration: 100 units/mL. Heparin flush for
Implanted Vascular Access Device
maintenance.