

OP CAGT CYCLOPHOSPHAMIDE / FLUDARABINE LYMPHODEPLETION – RELY-30

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	Dose	Selected	Adds Vol.
		MESNA 100 MG/ML INTRAVENOUS SOLUTION	Medications	250 mg/m2	Main Ingredient	Yes
		SODIUM CHLORIDE 0.9 % INTRAVENOUS SOLUTION	QS Base	100 mL	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
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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
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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
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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
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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 Ingredient	Yes
	INTRAVENOUS SOLUTION				
	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 Ingredient	Yes
	INTRAVENOUS SOLUTION				
	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.