

OP CAGT CYCLOPHOSPHAMIDE / FLUDARABINE

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 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

Ingredient

INTRAVENOUS
SOLUTION

MESNA 100 MG/ML

Medications

500 mg/m2

Yes

Yes

INTRAVENOUS
SOLUTION

DEXTROSE 5 % IN

Base

500 mL

Yes

Yes

WATER (D5W)
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

SODIUM

QS Base

100 mL

Yes

Yes

CHLORIDE 0.9 %
INTRAVENOUS
SOLUTION

DEXTROSE 5 % IN

QS Base

100 mL

No

Yes

WATER (D5W)
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.

Supportive Care

☐ **promethazine (PHENERGAN) injection 25 mg**

Dose: 25 mg

Route: intravenous

every 4 hours PRN

Start: S

Discharge Nursing Orders

ONC NURSING COMMUNICATION 76

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 (ZOFran) 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 WATER (D5W) INTRAVENOUS SOLUTION	QS Base		No	Yes

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

ONC NURSING COMMUNICATION 76

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.