

OP CAGT CYCLOPHOSPHAMIDE/FLUDARABINE/AXICABTAGENE CILOLEUCEL– DIFFUSE LARGE B-CELL LYMPHOMA (DLBCL)

Types: ONCOLOGY TREATMENT

Synonyms: CAGT, CYCLOPHOSHAMIDE, CYTOXAN, MESNA, FLUDARABINE, FLUDARA, MESNEX, FLU, AXICABTAGENE, AXICABTAGENE CILOLEUCEL, CAR T CELL, DLBCL, DIFFUSE LARGE B-CELL LYMPHOMA, B CELL

Cycle 1	Repeat 1 time	Cycle length: 6 days																								
Days 1,2,3		Perform every 1 day x3																								
Line Flush																										
<p>sodium chloride 0.9 % flush 20 mL Dose: 20 mL Route: intravenous PRN Start: S</p>																										
Nursing Orders																										
<p>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.</p>																										
Hydration																										
<p>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.</p>																										
Pre-Medications																										
<p>ondansetron (ZOFTRAN) tablet 16 mg Dose: 16 mg Route: oral once for 1 dose Offset: 30 Minutes Instructions: Administer 30 minutes before chemotherapy.</p>																										
Pre-Medications																										
<p>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.</p>																										
Chemotherapy																										
<p>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.</p>																										
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Ingredients:</th> <th style="text-align: left;">Name</th> <th style="text-align: left;">Type</th> <th style="text-align: left;">Dose</th> <th style="text-align: left;">Selected</th> <th style="text-align: left;">Adds Vol.</th> </tr> </thead> <tbody> <tr> <td></td> <td>MESNA 100 MG/ML INTRAVENOUS SOLUTION</td> <td>Medications</td> <td>250 mg/m2</td> <td>Main Ingredient</td> <td>Yes</td> </tr> <tr> <td></td> <td>SODIUM CHLORIDE 0.9 % INTRAVENOUS SOLUTION</td> <td>QS Base</td> <td>100 mL</td> <td>Yes</td> <td>Yes</td> </tr> <tr> <td></td> <td>DEXTROSE 5 % IN WATER (D5W)</td> <td>QS Base</td> <td></td> <td>No</td> <td>Yes</td> </tr> </tbody> </table>			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
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	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 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.

Day 6

Perform every 1 day x1

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.

Nursing Orders

ONC NURSING COMMUNICATION 2

Interval: -- Occurrences: --

Comments: Prior to infusion, verify with pharmacy that 2 doses of tocilizumab are available and set aside for this patient.

Pre-Medications

acetaminophen (TYLENOL) tablet 650 mg

Dose: 650 mg Route: oral once for 1 dose

Start: S

Instructions:

Premed for CAR-T Infusion

diphenhydramine (BENADRYL) injection 12.5 mg

Dose: 12.5 mg Route: intravenous once for 1 dose

Start: S

Instructions:

Premed for CAR-T Infusion

CAR-T Infusion

axicabtagene ciloleucel (YESCARTA) infusion (RESTRICTED) 1 bag(s)

Dose: 1 bag(s) Route: intravenous once over 30 Minutes for 1 dose

Start: S

End: S

Instructions:

Do NOT use leukodepleting filter. Central venous access recommended. Ensure tocilizumab and emergency equipment are available prior to infusion and during the recovery period. Prime tubing with normal saline prior to infusion. Infuse entire contents of bag within 30 minutes. Stable at room temperature for up to 3 hours after thaw. Gently agitate bag during infusion to prevent cell clumping. After bag contents infused, rinse

tubing with normal saline at same infusion rate.

CAR-T Infusion Additional Orders

ONC NURSING COMMUNICATION 31

Interval: -- Occurrences: --
Comments: -Oxygen at bedside during CAR-T infusion and until discharged.
-Anaphylaxis precautions at bedside during CAR-T infusion and until discharged.

ONC NURSING COMMUNICATION 75

Interval: -- Occurrences: --
Comments: - Obtain baseline vital signs (T, P, R, BP, Oxygen saturation +/- breath sounds)
- Vital signs every 15 minutes during infusion (T, P, R, BP)
- Vital signs (T, P, R, BP, +/- breath sounds) at completion of infusion, then at 30 minutes post & 60 minutes post infusion

PULSE OXIMETRY CONTINUOUS

Interval: -- Occurrences: --
Comments: Continuous pulse oximetry monitoring during infusion and for 30 minutes post infusion

ONC NURSING COMMUNICATION 80

Interval: -- Occurrences: --
Comments: RECORD START & STOP TIMES on component infusion form AND in EPIC

meperidine (DEMEROL) injection 12.5 mg

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

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

Dose: 0.3 mg Route: subcutaneous PRN
Start: S

diphenhydrAMINE (BENADRYL) injection 25 mg

Dose: 25 mg Route: intravenous 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.