Protocol Index

OP ARSENIC TRIOXIDE CONSOLIDATION

Types: ONCOLOGY TREATMENT
Synonyms: ARSE, TRISE, APL, CONSOLID, ARSEN, ACUTE, PROMYEL, ARSENIC

Cycle 1 Repeat 1 time Cycle length: 35 days

Days 1,2,3,4,5,...,35 Perform every 1 day x35

Appointment Requests

INFUSION APPOINTMENT REQUEST
Interval: -- Occurrences: --

Labs

☑ **CBC WITH PLATELET AND DIFFERENTIAL**
Interval: -- Occurrences: --

☑ **COMPREHENSIVE METABOLIC PANEL**
Interval: -- Occurrences: --

☑ **MAGNESIUM LEVEL**
Interval: -- Occurrences: --

☐ **LDH**
Interval: -- Occurrences: --

☐ **URIC ACID LEVEL**
Interval: -- Occurrences: --

Nursing Orders

ONC NURSING COMMUNICATION 67
Interval: -- Occurrences: --
Comments: Supplement to maintain magnesium GREATER than 2 and potassium GREATER than 4. Refer to Potassium Replacement Scale.

Provider Communication

ONC PROVIDER COMMUNICATION 21
Interval: -- Occurrences: --
Comments: Order EKG Monday, Wednesday, and Friday for first week, then weekly for remainder of treatment plan. Prolonged QT is greater than or equal to 440 milliseconds (11 boxes).

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.

Pre-Medications

☑ **ondansetron (ZOFRAN) 16 mg in sodium chloride 0.9% 50 mL IVPB**
Dose: -- Route: intravenous once over 15 Minutes for 1 dose
Start: S

Ingredients:

Name	Type	Dose	Selected	Adds Vol.
ONDANSETRON	Medications	16 mg	Yes	No

HCL (PF) 4 MG/2 ML INJECTION SOLUTION					
DEXAMETHASONE 4 MG/ML INJECTION SOLUTION	Medications	12 mg	No	No	
SODIUM CHLORIDE 0.9 % INTRAVENOUS SOLUTION	Base	50 mL	Always	Yes	
DEXTROSE 5 % IN WATER (D5W) INTRAVENOUS SOLUTION	Base		No	Yes	

☐ **ondansetron (ZOFRAN) injection 8 mg**

Dose: 8 mg Route: intravenous once for 1 dose
Start: S

☐ **ondansetron (ZOFRAN) tablet 16 mg**

Dose: 16 mg Route: oral once for 1 dose
Start: S

☐ **dexamethasone (DECADRON) tablet 12 mg**

Dose: 12 mg Route: oral once for 1 dose
Start: S

☐ **aprepitant (CINVANTI) 130 mg in dextrose (NON-PVC) 5% 130 mL IVPB**

Dose: 130 mg Route: intravenous once over 30 Minutes for 1 dose
Start: S End: S

Ingredients:

Name	Type	Dose	Selected	Adds Vol.
APREPITANT 7.2 MG/ML INTRAVENOUS EMULSION	Medications	130 mg	Main Ingredient	Yes
DEXTROSE 5 % IN WATER (D5W) IV SOLP (EXCEL; NON-PVC)	Base	130 mL	Yes	Yes
SODIUM CHLORIDE 0.9 % IV SOLP (EXCEL;NON-PVC)	Base	130 mL	No	Yes

☐ **LORAZepam (ATIVAN) tablet 1 mg**

Dose: 1 mg Route: oral once for 1 dose
Start: S

☐ **LORAZepam (ATIVAN) injection 1 mg**

Dose: 1 mg Route: intravenous once for 1 dose
Start: S

Chemotherapy

arsenic trioxide (TRISENOX) 0.15 mg/kg in sodium chloride 0.9% 250 mL chemo IVPB

Dose: 0.15 mg/kg Route: intravenous once over 2 Hours for 1 dose
Offset: 30 Minutes

Instructions:
This drug requires close monitoring of electrolytes. Check electrolytes twice weekly and supplement to keep magnesium greater

than 2 and potassium greater than 4.

Ingredients:	Name	Type	Dose	Selected	Adds Vol.
	ARSENIC TRIOXIDE 2 MG/ML INTRAVENOUS SOLUTION	Medications	0.15 mg/kg	Main Ingredient	Yes
	SODIUM CHLORIDE 0.9 % INTRAVENOUS SOLUTION	QS Base	250 mL	Yes	Yes
	DEXTROSE 5 % IN WATER (D5W) INTRAVENOUS SOLUTION	QS Base	250 mL	No	Yes

Electrolyte Replacement

TREATMENT CONDITIONS 39

Interval: -- Occurrences: --

Comments: Potassium (Normal range 3.5 to 5.0mEq/L)
- Serum potassium less than 2.9mEq/L, Call MD/NP
- Serum potassium 3.0 to 3.5mEq/L, give 40mEq KCL IV and 40mEq KCL PO and notify MD/NP
- Serum potassium 3.6 to 3.9mEq/L, give 40mEq KCL IV or PO
- Serum potassium 4 mEq/L or greater, do not give potassium replacement

potassium chloride 20 mEq in 100 mL IVPB (FOR CENTRAL LINE ONLY)

Dose: 20 mEq Route: intravenous every 1 hour prn over 60 Minutes for 2 doses

Start: S

potassium chloride (KLOR-CON) packet 40 mEq

Dose: 40 mEq Route: oral once PRN

Start: S

Instructions:
Dissolve contents of each packet in 4 oz. of water or other beverage.

Electrolyte Replacement

TREATMENT CONDITIONS 40

Interval: -- Occurrences: --

Comments: Magnesium (Normal range 1.6 to 2.6mEq/L)
- Serum Magnesium less than 1.1mEq/L, Call MD/NP
- Serum Magnesium 1.2 to 1.5mEq/L, give 4 gram magnesium sulfate IV
- Serum Magnesium 1.6 to 1.9mEq/L, give 2 gram magnesium sulfate IV
- Serum Magnesium 2 mEq/L or greater, do not give magnesium replacement

magnesium sulfate 2 g/50 mL IVPB (premix)

Dose: 2 g Route: intravenous once PRN @ 25 mL/hr over 1 Hours

Start: S

magnesium sulfate 4 g IVPB (premix)

Dose: 4 g Route: intravenous once PRN over 2 Hours

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.