

OP ARSENIC TRIOXIDE INDUCTION

Types: ONCOLOGY TREATMENT

Synonyms: ARSE, TRISE, APL, INDUCTION, ARSEN, ACUTE, PROMYEL, ARSENIC

Cycle 1	Repeat 1 time	Cycle length: 48 days
Days 1,2,3,4,5,...,48	Perform every 1 day x48	
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 NURSING COMMUNICATION 67		
Interval: -- Occurrences: --		
Comments: Order EKG at baseline, then weekly. Prolonged QT is greater than or equal to 500 milliseconds (11 boxes).		
Provider Communication		
ONC PROVIDER COMMUNICATION 20		
Interval: -- Occurrences: --		
Comments: Arsenic is administered daily until complete response is documented by peripheral blood no longer showing blasts or promyelocytes. Maximum number of doses is 60.		
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 (ZOFTRAN) 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
HCL (PF) 4 MG/2
ML INJECTION
SOLUTION

Medications

16 mg

Yes

No

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 (ZOFTRAN) injection 8 mg**

Dose: 8 mg

Route: intravenous

once for 1 dose

Start: S

☐ **ondansetron (ZOFTRAN) 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

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	Medications	0.15 mg/kg	Main Ingredient	Yes
	TRIOXIDE 2 MG/ML INTRAVENOUS SOLUTION				
	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)
o Serum potassium less than 2.9mEq/L, Call MD/NP
o Serum potassium 3.0 to 3.5mEq/L, give 40mEq KCL IV and 40mEq KCL PO and notify MD/NP
o Serum potassium 3.6 to 3.9mEq/L, give 40mEq KCL IV or PO
o 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)
o Serum Magnesium less than 1.1mEq/L, Call MD/NP
o Serum Magnesium 1.2 to 1.5mEq/L, give 4 gram magnesium sulfate IV
o Serum Magnesium 1.6 to 1.9mEq/L, give 2 gram magnesium sulfate IV
o 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.