

IP AIM

Types: ONCOLOGY TREATMENT

Synonyms: AIM, SARCOMA, SOFT, TISSUE, MESNA, IFOS, ADRIA, DOXO, BAINHART

Cycle 1	Repeat 1 time	Cycle length: 21 days
Day 1	Perform every 1 day x1	
Labs		
☒ COMPREHENSIVE METABOLIC PANEL	Interval: Once	Occurrences: --
☒ CBC WITH PLATELET AND DIFFERENTIAL	Interval: Once	Occurrences: --
☒ MAGNESIUM LEVEL	Interval: Once	Occurrences: --
☐ LDH	Interval: Once	Occurrences: --
☐ URIC ACID LEVEL	Interval: Once	Occurrences: --
☐ URINALYSIS, AUTOMATED WITH MICROSCOPY	Interval: Once	Occurrences: --
Labs		
URINALYSIS, AUTOMATED WITH MICROSCOPY	Interval: Once	Occurrences: --
Provider Communication		
ONC PROVIDER COMMUNICATION	Interval: Until discontinued	Occurrences: --
Comments:	Verify Ejection Fraction prior to Cycle 1. Ejection Fraction: ***% on *** (date).	
	If patient has not had a recent MUGA or ECHO, order one via order entry. A baseline cardiac evaluation with a MUGA scan or an ECHO is recommended, especially in patients with risk factors for increased cardiac toxicity. Repeated MUGA or ECHO determinations of LVEF should be performed, particularly with higher, cumulative anthracycline doses.	
Nursing Orders		
TREATMENT CONDITIONS 7	Interval: Until discontinued	Occurrences: --
Comments:	HOLD and notify provider if ANC LESS than 1000; Platelets LESS than 100,000.	
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

Instructions:

To keep vein open.

Hydration

sodium chloride 0.9 % infusion

Dose: 100 mL/hr

Route: intravenous

continuous

Start: S

Pre-Medications

ondansetron (ZOFTRAN) 16 mg, dexamethasone☒ **(DECADRON) 20 mg in sodium chloride 0.9%****50 mL IVPB**

Dose: --

Route: intravenous

once over 15 Minutes for 1 dose

Start: S

End: S 11:30 AM

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

20 mg

Yes

No

SODIUM
CHLORIDE 0.9 %
INTRAVENOUS
SOLUTION

Base

50 mL

Always

Yes

DEXTROSE 5 % IN
WATER (D5W)
INTRAVENOUS
SOLUTION

Base

No

Yes

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

Dose: 16 mg

Route: oral

once for 1 dose

Start: S

End: S 11:30 AM

☐ **dexamethasone (DECADRON) tablet 20 mg**

Dose: 20 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

Ingredient

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

Pre-Medications

OLANzapine (ZYPREXA) tablet 10 mg

Dose: 10 mg

Route: oral

once for 1 dose

Start: S

Chemotherapy

DOXOrubicin (ADRIAmycin) 20 mg/m2 in sodium chloride 0.9% 250 mL chemo IVPB

Dose: 20 mg/m2

Route: intravenous

once over 24 Hours for 1 dose

Offset: 30 Minutes

Instructions:

Protect from light. VESICANT

Ingredients:

Name	Type	Dose	Selected	Adds Vol.
DOXORUBICIN 50 MG/25 ML INTRAVENOUS SOLUTION	Medications	20 mg/m2	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

Chemotherapy

ifosfamide (IFEX) 1,500 mg/m2, mesna (MESNEX) 300 mg/m2 in sodium chloride 0.9 % 500 mL chemo IVPB

Dose: --

Route: intravenous

once over 2 Hours for 1 dose

Offset: 30 Minutes

Ingredients:

Name	Type	Dose	Selected	Adds Vol.
IFOSFAMIDE 1 GRAM INTRAVENOUS SOLUTION	Medications	1,500 mg/m2	Yes	Yes
MESNA 100 MG/ML INTRAVENOUS SOLUTION	Medications	300 mg/m2	Yes	Yes
SODIUM CHLORIDE 0.9 % INTRAVENOUS SOLUTION	QS Base	500 mL	Yes	Yes
DEXTROSE 5 % IN WATER (D5W) INTRAVENOUS SOLUTION	QS Base	500 mL	No	Yes

Chemotherapy

mesna (MESNEX) 300 mg/m2 in sodium chloride 0.9 % 100 mL chemo IVPB

Dose: 300 mg/m2

Route: intravenous

every 4 hours over 15 Minutes for 2 doses

Offset: 4.5 Hours

Instructions:

Administer 4 hours and 8 hours after the start of Ifosfamide infusion.

Ingredients:

Name	Type	Dose	Selected	Adds Vol.
MESNA 100 MG/ML INTRAVENOUS SOLUTION	Medications	300 mg/m2	Main Ingredient	Yes
THERAPY PLAN SODIUM CHLORIDE 0.9 % INTRAVENOUS SOLUTION	QS Base	100 mL	Yes	Yes

DEXTROSE 5 % IN QS Base	100 mL	No	Yes
WATER (D5W)			
INTRAVENOUS			
SOLUTION			

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

Labs

☒ **COMPREHENSIVE METABOLIC PANEL**

Interval: Once Occurrences: --

☒ **CBC WITH PLATELET AND DIFFERENTIAL**

Interval: Once Occurrences: --

☒ **MAGNESIUM LEVEL**

Interval: Once Occurrences: --

☐ **LDH**

Interval: Once Occurrences: --

☐ **URIC ACID LEVEL**

Interval: Once Occurrences: --

☐ **URINALYSIS, AUTOMATED WITH
MICROSCOPY**

Interval: Once Occurrences: --

Labs

**URINALYSIS, AUTOMATED WITH
MICROSCOPY**

Interval: Once Occurrences: --

Nursing Orders

TREATMENT CONDITIONS 7

Interval: Until
discontinued Occurrences: --

Comments: HOLD and notify provider if ANC LESS than 1000; Platelets LESS than
100,000.

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

Instructions:

To keep vein open.

Hydration

sodium chloride 0.9 % infusion

Dose: 100 mL/hr

Route: intravenous

continuous

Start: S

Pre-Medications

ondansetron (ZOFTRAN) 16 mg, dexamethasone

- ☒
- (DECADRON) 20 mg in sodium chloride 0.9% 50 mL IVPB**

Dose: --

Route: intravenous

once over 15 Minutes for 1 dose

Start: S

End: S 11:30 AM

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

20 mg

Yes

No

SODIUM
CHLORIDE 0.9 %
INTRAVENOUS
SOLUTION

Base

50 mL

Always

Yes

DEXTROSE 5 % IN
WATER (D5W)
INTRAVENOUS
SOLUTION

Base

No

Yes

- ☐
- ondansetron (ZOFTRAN) tablet 16 mg**

Dose: 16 mg

Route: oral

once for 1 dose

Start: S

End: S 11:30 AM

- ☐
- dexamethasone (DECADRON) tablet 20 mg**

Dose: 20 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

Ingredient

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

Pre-Medications

OLANzapine (ZYPREXA) tablet 10 mg

Dose: 10 mg

Route: oral

once for 1 dose

Start: S

Chemotherapy

DOXOrubicin (ADRIAmycin) 20 mg/m2 in sodium chloride 0.9% 250 mL chemo IVPB

Dose: 20 mg/m2

Route: intravenous

once over 24 Hours for 1 dose

Offset: 30 Minutes

Instructions:

Protect from light. VESICANT

Ingredients:	Name	Type	Dose	Selected	Adds Vol.
	DOXORUBICIN 50 MG/25 ML INTRAVENOUS SOLUTION	Medications	20 mg/m2	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

Chemotherapy

ifosfamide (IFEX) 1,500 mg/m2, mesna (MESNEX) 300 mg/m2 in sodium chloride 0.9 % 500 mL chemo IVPB

Dose: --

Route: intravenous

once over 2 Hours for 1 dose

Offset: 30 Minutes

Ingredients:	Name	Type	Dose	Selected	Adds Vol.
	IFOSFAMIDE 1 GRAM INTRAVENOUS SOLUTION	Medications	1,500 mg/m2	Yes	Yes
	MESNA 100 MG/ML INTRAVENOUS SOLUTION	Medications	300 mg/m2	Yes	Yes
	SODIUM CHLORIDE 0.9 % INTRAVENOUS SOLUTION	QS Base	500 mL	Yes	Yes
	DEXTROSE 5 % IN WATER (D5W) INTRAVENOUS SOLUTION	QS Base	500 mL	No	Yes

Chemotherapy

mesna (MESNEX) 300 mg/m2 in sodium chloride 0.9 % 100 mL chemo IVPB

Dose: 300 mg/m2

Route: intravenous

every 4 hours over 15 Minutes for 2 doses

Offset: 4.5 Hours

Instructions:

Administer 4 hours and 8 hours after the start of Ifosfamide infusion.

Ingredients:	Name	Type	Dose	Selected	Adds Vol.
	MESNA 100 MG/ML INTRAVENOUS SOLUTION	Medications	300 mg/m2	Main Ingredient	Yes
	THERAPY PLAN 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

☒ **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 4

Perform every 1 day x1

Labs

☒ **COMPREHENSIVE METABOLIC PANEL**

Interval: Once

Occurrences: --

☒ **CBC WITH PLATELET AND DIFFERENTIAL**

Interval: Once

Occurrences: --

☒ **MAGNESIUM LEVEL**

Interval: Once

Occurrences: --

☐ **LDH**

Interval: Once

Occurrences: --

☐ **URIC ACID LEVEL**

Interval: Once

Occurrences: --

☐ **URINALYSIS, AUTOMATED WITH
MICROSCOPY**

Interval: Once

Occurrences: --

Labs

**URINALYSIS, AUTOMATED WITH
MICROSCOPY**

Interval: Once

Occurrences: --

Nursing Orders

TREATMENT CONDITIONS 7

Interval: Until
discontinued

Occurrences: --

Comments:

HOLD and notify provider if ANC LESS than 1000; Platelets LESS than
100,000.

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

Instructions:

To keep vein open.

Hydration

sodium chloride 0.9 % infusion

Dose: 100 mL/hr

Route: intravenous

continuous

Start: S

Pre-Medications

- ☒ **ondansetron (ZOFTRAN) 16 mg, dexamethasone (DECADRON) 20 mg in sodium chloride 0.9% 50 mL IVPB**

Dose: --

Route: intravenous

once over 15 Minutes for 1 dose

Start: S

End: S 11:30 AM

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

20 mg

Yes

No

SODIUM
CHLORIDE 0.9 %
INTRAVENOUS
SOLUTION

Base

50 mL

Always

Yes

DEXTROSE 5 % IN
WATER (D5W)
INTRAVENOUS
SOLUTION

Base

No

Yes

- ☐ **ondansetron (ZOFTRAN) tablet 16 mg**

Dose: 16 mg

Route: oral

once for 1 dose

Start: S

End: S 11:30 AM

- ☐ **dexamethasone (DECADRON) tablet 20 mg**

Dose: 20 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

Ingredient

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

Pre-Medications

- OLANzapine (ZYPREXA) tablet 10 mg**

Dose: 10 mg

Route: oral

once for 1 dose

Start: S

Chemotherapy

- ifosfamide (IFEX) 1,500 mg/m2, mesna (MESNEX) 300 mg/m2 in sodium chloride 0.9 % 500 mL chemo IVPB**

Dose: --

Route: intravenous

once over 2 Hours for 1 dose

Offset: 30 Minutes

Ingredients:

Name

Type

Dose

Selected

Adds Vol.

IFOSFAMIDE 1
GRAM

Medications

1,500
mg/m2

Yes

Yes

INTRAVENOUS SOLUTION					
MESNA 100 MG/ML	Medications	300	Yes	Yes	
INTRAVENOUS SOLUTION		mg/m2			
SODIUM	QS Base	500 mL	Yes	Yes	
CHLORIDE 0.9 %					
INTRAVENOUS SOLUTION					
DEXTROSE 5 % IN	QS Base	500 mL	No	Yes	
WATER (D5W)					
INTRAVENOUS SOLUTION					

Chemotherapy

mesna (MESNEX) 300 mg/m2 in sodium chloride 0.9 % 100 mL chemo IVPB

Dose: 300 mg/m2 Route: intravenous every 4 hours over 15 Minutes for 2 doses
Offset: 4.5 Hours

Instructions:

Administer 4 hours and 8 hours after the start of Ifosfamide infusion.

Ingredients:

Name	Type	Dose	Selected	Adds Vol.
MESNA 100 MG/ML	Medications	300	Main	Yes
INTRAVENOUS SOLUTION		mg/m2	Ingredient	
THERAPY PLAN				
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				

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.