IP DEANGELIS WITH RITUXIMAB - METHOTREXATE / VINCRISTINE / LEUCOVORIN / PROCARBAZINE (CYCLES 1,3,5)

Types: ONCOLOGY TREATMENT

Synonyms: PRIMARY, CENTRAL, CNS, LYMPH, MTX, ONCOV, METHOT, VINCR, PROCARB, DEANGELIS, DEAN,

RITUX

Cycle 1	Repeat 1	time	Cycle length: 14 days	
Day 1 Labs				Perform every 1 day x1
Laus	- COMPREHENCIVE ME	TAROLIO DANEI		
	Interval: Once	Occurrences:		
	☑ CBC WITH PLATELET	AND DIFFERENTIAL		
	Interval: Once	Occurrences:		
	☑ MAGNESIUM LEVEL			
	Interval: Once	Occurrences:		
	☑ LDH			
	Interval: Once	Occurrences:		
	✓ URIC ACID LEVEL			
	_	0		
	Interval: Once	Occurrences:		
	☑ PHOSPHORUS LEVEL	-		
	Interval: Once	Occurrences:		
Labs				
	✓ METHOTREXATE LEV	/EL		
	Interval: Once	Occurrences:		
	☑ PH, URINALYSIS			
	Interval: Conditional	Occurrences:		
	Frequency Comments:	Draw prior to starting M	ethotrexate and PRN unt	il nH CREATER than 7
	Comments.		ery day until MTX is LES	
		•		
Provi	der Communication	MUNIO ATION 50		
	ONC PROVIDER COM Interval: Once	Occurrences:		
	Comments:		an infusion, please check	c if a Hepatitis B and C
			ormed within the past 6 m	
		C serologies results: PL	ısh F2:11554001 drawn o	on "".
Provi	der Communication			
	ONC PROVIDER COM	MUNICATION 5		
	Interval: Once Comments:	Occurrences:	aalaulata daaa Adiyat da	oo for woight
	Comments.	gains/losses of greater	calculate dose. Adjust do than or equal to 10%.	ise for weight
		<u> </u>	,	
Provi	der Communication	MINUS ATION 15		
	ONC PROVIDER COM Interval: Until	MUNICATION 12 Occurrences:		
	discontinued	Coourrenogs		

Comments: Careful monitoring of pulmonary function tests should be performed prior

to initiation of therapy and periodically during therapy for patients on methotrexate, lomustine, carmustine, aldesleukin, nilutamide, or bleomycin. If patient has not had baseline pulmonary function tests and/or does not have scheduled pulmonary function tests for future

doses, place order via order entry.

Provider Communication

ONC PROVIDER COMMUNICATION 13

Interval: Until discontinued

Occurrences: --

Caramanta

Comments: Chest x-rays should be performed prior to initiation of therapy and

periodically during therapy for patients on methotrexate, aldesleukin, nilutamide, or bleomycin. If patient has not had baseline chest x-ray and/or does not have scheduled chest x-rays for future doses, place

order via order entry.

Provider Communication

ONC PROVIDER COMMUNICATION 14

Interval: Until discontinued

Occurrences: --

Comments: No salicylates, NSAIDS or sulfa drugs concurrent or a week before

treatment starts.

Nursing Orders

ONC NURSING COMMUNICATION 75

Interval: Until discontinued

Occurrences: --

Comments:

Please verify that patient has not taken any salicylates, NSAIDS or sulfa

drugs concurrent or a week before treatment starts.

Nursing Orders

ONC NURSING COMMUNICATION 64

Interval: Until discontinued

Occurrences: --

Comments: Draw methotrexate level for 24 hours, 48 hours and 72 hours AFTER COMPLETION of methotrexate infusion and send STAT. Obtain level

every 24 hours until methotrexate level is LESS than 0.05.

Check STAT urine pH prior to starting Methotrexate and then every 8

hours. If urine pH is LESS than 7, administer 50 mEg sodium

bicarbonate and recheck in 1 hour. If still LESS than 7, repeat 50 mEq sodium bicarbonate and recheck in 1 hour. If still LESS than 7, call

provider.

The syringe that the blood is sent to lab in needs to be COVERED

(brown bag/paper towel) going to the lab.

Nursing Orders

TREATMENT CONDITIONS 7

Interval: Until

Occurrences: --

discontinued

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

Pro-N	1edications					
1 1 C-1V		N) 16 mg, dexamethasor	ne			
	☑ (DECADRON) 12 mg ir					
	50 mL IVPB					
	Dose:	Route: intravenous	once over 15	Minutes fo	r 1 dose	
	Start: S	End: S 11:30 AM Name	Tuno	Doos	Colooted	Adda Val
	Ingredients:	ONDANSETRON	Type Medications	Dose 16 mg	Yes	Adds Vol. No
		HCL (PF) 4 MG/2	Medicalions	10 mg	100	140
		ML INJECTION				
		SOLUTION				
		DEXAMETHASONE	Medications	12 mg	Yes	No
		4 MG/ML INJECTION				
		SOLUTION				
		SODIUM	Base	50 mL	Always	Yes
		CHLORIDE 0.9 %				
		INTRAVENOUS				
		SOLUTION	_			
		DEXTROSE 5 % IN	Base		No	Yes
		WATER (D5W) INTRAVENOUS				
		SOLUTION				
	□ ondansetron (ZOFRAN	l) tablet 16 mg				
	•	•	anno for 1 da			
	Dose: 16 mg Start: S	Route: oral End: S 11:30 AM	once for 1 do	se		
	☐ dexamethasone (DEC					
	Dose: 12 mg Start: S	Route: oral	once for 1 do	se		
	□ aprepitant (CINVANTI) (NON-PVC) 5% 130 mL					
	Dose: 130 mg Start: S	Route: intravenous End: S	once over 30 Minutes for 1 dose			
	Ingredients:	Name	Туре	Dose		Adds Vol.
		APREPITANT 7.2	Medications	130 mg	Main	Yes
		MG/ML INTRAVENOUS			Ingredient	
		EMULSION				
		DEXTROSE 5 % IN	Base	130 mL	Yes	Yes
		WATER (D5W) IV				
		SOLP (EXCEL;				
		NON-PVC) SODIUM	Base	130 mL	No	Yes
		CHLORIDE 0.9 % IV		130 IIIL	INO	165
		SOLP				
		(EXCEL;NON-PVC)				
Pre-H	lydration					
	dextrose 5% 1,000 mL 150 mEq infusion	with sodium bicarbona	te			
	Dose: 150 mL/hr	Route: intravenous	continuous			
	Start: S	2				
	Instructions:					
		e level is LESS than 0.05				
	micromol/L.	Name	Туре	Dose	Salactad	Adds Vol.
	Ingradiente				vaciety (FC)	AUUS VUI.
	Ingredients:					
	Ingredients:	DEXTROSE 5 % IN WATER (D5W)		1,000 mL		Yes
	Ingredients:	DEXTROSE 5 % IN				

Chemotherapy

procarbazine (MATULANE) chemo capsule 100 mg/m2 (Treatment Plan)

Dose: 100 mg/m2 Route: oral daily for 7 doses Offset: 30 Minutes

Instructions:

CYTOTOXIC AGENT/DO NOT OPEN OR CRUSH. Swallow whole. Diet Alteration Required: Avoid tyramine containing foods during and up to four weeks after MAOI therapy is discontinued.

Chemotherapy

vinCRIStine (ONCOVIN) 1.4 mg/m2 in sodium

chloride 0.9 % 50 mL chemo IVPB

Dose: 1.4 mg/m2 Route: intravenous once over 10 Minutes for 1 dose

Offset: 30 Minutes

Instructions:

DRUG IS A VESICANT. FATAL IF GIVEN INTRATHECALLY. Maximum dose = 2.8 mg.

Rule-Based Template: RULE ONCBCN

VINCRISTINE 1.4 MG/M2

Conditions: Modifications:

BSA < 1.43 m2 Set dose to 1.4 mg/m2 BSA >= 1.43 m2Set dose to 2.8 mg

Ingredients: Name Type Dose Selected Adds Vol. VINCRISTINE 1 Medications 1.4 Main Yes

MG/ML Ingredient mg/m2 **INTRAVENOUS**

SOLUTION SODIUM

QS Base 50 mL Yes Yes

CHLORIDE 0.9 % INTRAVENOUS SOLUTION

Chemotherapy

methotrexate PF 2,500 mg/m2 in sodium chloride 0.9 % 500 mL chemo IVPB

Dose: 2,500 mg/m2 Route: intravenous once over 3 Hours for 1 dose

	Instructions: START methotrexate of GREATER than 7. Ingredients:	Name METHOTREXATE SODIUM (PF) 25 MG/ML INJECTION SOLUTION DEXTROSE 5 % IN WATER (D5W) INTRAVENOUS SOLUTION SODIUM CHLORIDE 0.9 % INTRAVENOUS SOLUTION	Type Medications QS Base QS Base	Dose	Main Ingredient No	Adds Vol. Yes Yes
Rituxi	mab Pre-Medications acetaminophen (TYLEI Dose: 650 mg Start: S Instructions: Give 30 minutes befor	Route: oral	once for 1 do	se		
	diphenhydrAMINE (BE mg Dose: 25 mg Start: S Instructions: Give 30 minutes befor	Route: intravenous	once for 1 do	se		
	sodium chloride 0.9 % Dose: 500 mL Start: S	infusion 500 mL Route: intravenous	continuous			
Pharm	nacy Consult PHARMACY CONSULT RAPID RITUXIMAB INF Interval:					
Chem	absence of infusion to mmHG of baseline, Pt 120 and TEMP less th symptoms), then incre	Route: intravenous of 50 mg/hour. In the xicity (SBP within 20 JLSE between 60 and an 38 degrees C, and no ease infusion rate by 50 utes, to a maximum rate Name RITUXIMAB 10	once for 1 do Offset: 2 Hou	Dose 500	Main	Adds Vol. Yes
		MG/ML CONCENTRATE,IN TRAVENOUS SODIUM CHLORIDE 0.9 % INTRAVENOUS SOLUTION DEXTROSE 5 % IN	Base	mg/m2	Ingredient Yes No	Yes Yes
		DEATHOOL 5 /6 IIV	Dasc		140	100

Offset: 60 Minutes

WATER (D5W)
NTRAVENOUS
NOITHOR

RiTUXimab (PF) (RITUXAN) in sodium chloride 0.9% NON-INITIAL INFUSION IVPB

once for 1 dose Dose: --Route: intravenous Offset: 2 Hours

Instructions:

Initiate infusion rate at a 100 mg/hour. In the absence of infusion toxicity (SBP within 20 mmHG of baseline, PULSE between 60 and 120 and TEMP less than 38 degrees C, and no symptoms), increase rate by 100 mg/hour increments at 30 minute intervals, to a maximum rate of 400 mg/hour.

Selected Adds Vol. Ingredients: Name **Type** Dose **RITUXIMAB 10** Medications Main Yes Ingredient

MG/ML

CONCENTRATE, IN **TRAVENOUS**

SODIUM Yes Base

CHLORIDE 0.9 % **INTRAVENOUS** SOLUTION

DEXTROSE 5 % IN Base No Yes

Yes

WATER (D5W) **INTRAVENOUS** SOLUTION

RiTUXimab (PF) (RITUXAN) 500 mg/m2 in □ sodium chloride 0.9% 250 mL RAPID INFUSION **RATE IVPB**

Dose: 500 mg/m2 Route: intravenous once over 90 Minutes for 1 dose

Offset: 2 Hours

Instructions:

RAPID INFUSION RATE: Initiate infusion at a rate of 100mL/hour. After 30 minutes, in the absence of infusion reactions (SBP within 20 mmHg of baseline, PULSE between 60 and 120 and Temp less than 38 degrees C, and no symptoms), increase the infusion rate to 200mL/hour. This infusion should take 90 minutes to administer.

Reaction grades:

Grade 3 Reaction: Prolonged (e.g., not rapidly responsive to symptomatic medication and/or brief interruption of infusion); recurrence of symptoms following initial improvement; hospitalization indicated for clinical sequelae (e.g., renal impairment, pulmonary infiltrates).

Grade 4 Reaction: Life-threatening consequences; urgent intervention indicated (e.g., vasopressors or ventilator support).

SODIUM

Ingredients: Selected Adds Vol. Name Dose Type **RITUXIMAB 10** Medications 500 Main Yes MG/ML Ingredient mg/m2 CONCENTRATE, IN **TRAVENOUS**

QS Base

250 mL

Yes

Yes

CHLORIDE 0.9 % INTRAVENOUS

SOLUTION

DEXTROSE 5 % IN QS Base

WATER (D5W) INTRAVENOUS SOLUTION

Rituximab Instructions

VITAL SIGNS - T/P/R/BP PER UNIT PROTOCOL

Interval: Until

Occurrences: --

discontinued

Comments: 1) During Rituximab infusion:

-Vitals every 15 minutes during 1st hour of infusion, THEN

-Every 30 minutes for 1 hour, THEN -Every hour until end of infusion

-Call MD if SBP less than 90, pulse less than 60 or greater than 120,

No

Yes

temperature greater than 38.5 degrees C

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Interval: Until

Occurrences: --

discontinued

Comments: 2) Infuse antibody via pump

3) If any of the following occurs: FEVER (temperature greater than 38.5 degrees Celsius), RIGORS, HYPOTENSION (30mm Hg decrease from baseline), and/or MUCOSAL CONGESTION / EDEMA, HOLD infusion until improvement of symptoms (When symptoms improve, resume

infusion at HALF the previous rate)

Rituximab Infusion Reaction Orders

meperidine (DEMEROL) injection 25 mg

Dose: 25 mg Route: intravenous once PRN

Start: S

diphenhydrAMINE (BENADRYL) injection 25

mg

Dose: 25 mg Route: intravenous once PRN

Start: S

hydrocortisone sodium succinate (Solu-CORTEF) injection 100 mg

Dose: 100 mg Route: intravenous once PRN

famotidine (PEPCID) injection 20 mg

Dose: 20 mg Route: intravenous once PRN

Start: S

Rituximab Additional Orders

epINEPHrine (ADRENALIN) 1 mg/1 mL injection

0.3 mg

Dose: 0.3 mg Route: intramuscular once PRN

Start: S

Supportive Care

sodium bicarbonate 1 mEq/mL (8.4 %) injection

50 mEq

Dose: 50 mEg Route: intravenous every 8 hours PRN

Start: S Instructions:

Check urine pH prior to start of methotrexate

and then every shift.

If urine pH is LESS than 7, administer 50 mEq sodium bicarbonate and recheck in 1 hour.

If still LESS than 7, repeat 50 mEq sodium bicarbonate and recheck in 1 hour. If still LESS than 7, call Physician.

Continue until methotrexate levels are LESS than 0.05 or patient is discharged.

Discharge Nursing Orders

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 2 Perform every 1 day x1

Chemotherapy

leucovorin IV 50 mg

Dose: 50 mg Route: intravenous every 6 hours over 30 Minutes

Start: S Instructions:

Give 24 hours AFTER COMPLETION of

methotrexate infusion.

Continue every 6 hours until levels are LESS

than 0.05 micromol/L.

Day 8 Perform every 1 day x1

Intrathecal Injections

methotrexate PF 12 mg in sodium chloride 0.9% 5 mL chemo PF INTRATHECAL injection

Dose: 12 mg Route: intrathecal once over 5 Minutes for 1 dose

Start: S End: S

Instructions:

Preservative free for intrathecal use.

Ingredients: Name Type Dose Selected Adds Vol.

METHOTREXATE Medications 12 mg Main Yes SODIUM (PF) 25 Ingredient

MG/ML INJECTION

SOLUTION

SODIUM QS Base 4.52 mL Yes Yes

CHLORIDE 0.9 % INJECTION SOLUTION