OP CAGT AUTOLOGOUS SCT IV RITUXIMAB (BEAM-R)

Types: ONCOLOGY TREATMENT

Synonyms: BEAM, BEAM-R, BMT, CAGT, AUTOLOGOUS, SCT, RITUXIMAB, RITUXAN

Cycle 1		Repeat 1 t	ime	Cycle length: 21	days	
Day +1		·		, ,		every 1 day x1
L	ine Flush					
		sodium chloride 0.9 % Dose: 20 mL Start: S	flush 20 mL Route: intravenous	PRN		
N	lursing O	rders				
		sodium chloride 0.9 % Dose: 250 mL	infusion 250 mL Route: intravenous	once @ 30 mL/hr	for 1 dose	
		Instructions: To keep vein open.				
F		Pre-Medications acetaminophen (TYLE) Dose: 650 mg Start: S	NOL) tablet 650 mg Route: oral	once for 1 dose		
		diphenhydrAMINE (BE	NADRYL) injection 25			
		mg Dose: 25 mg Start: S	Route: intravenous	once for 1 dose		
C	hemothe	rapy				
	0	RiTUXimab (PF) (RITU) sodium chloride 0.9% I IVPB		E		
		Dose: 375 mg/m2	Route: intravenous	once for 1 dose Offset: 60 Minutes	S	
		absence of infusion to: mmHG of baseline, PL 120 and TEMP less th symptoms), then incre				
		Ingredients:	Name RITUXIMAB 10 MG/ML CONCENTRATE,IN TRAVENOUS	Type Dos Medications 375 mg/	5 Main	d Adds Vol. Yes nt
			SODIUM CHLORIDE 0.9 % INTRAVENOUS SOLUTION	Base	Yes	Yes
			DEXTROSE 5 % IN WATER (D5W) INTRAVENOUS SOLUTION	Base	No	Yes
	•	RiTUXimab (PF) (RITUX 0.9% NON-INITIAL INFL	(AN) in sodium chlorid JSION IVPB	е		
		Dose:	Route: intravenous	once for 1 dose Offset: 60 Minutes	S	

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.

Ingredients:	Name RITUXIMAB 10 MG/ML CONCENTRATE,IN TRAVENOUS	Type Medications	Dose	Selected Main Ingredien	Adds Vol. Yes t
	SODIUM CHLORIDE 0.9 % INTRAVENOUS SOLUTION	Base		Yes	Yes
	DEXTROSE 5 % IN WATER (D5W) INTRAVENOUS SOLUTION	Base		No	Yes

RiTUXimab (PF) (RITUXAN) 375 mg/m2 in ○ sodium chloride 0.9% 250 mL RAPID INFUSION

RATE IVPB

Dose: 375 mg/m2 Route: intravenous once over 90 Minutes for 1 dose

Offset: 60 Minutes

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).

Ingredients:	Name RITUXIMAB 10 MG/ML CONCENTRATE,IN TRAVENOUS	Type Medications	Dose 375 mg/m2	Selected Main Ingredient	Adds Vol. Yes
	SODIUM CHLORIDE 0.9 % INTRAVENOUS SOLUTION	QS Base	250 mL	Yes	Yes
	DEXTROSE 5 % IN WATER (D5W) INTRAVENOUS SOLUTION	QS Base		No	Yes

Rituximab Instructions

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

Interval: -- Occurrences: --

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,

temperature greater than 38.5 degrees C

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Interval: -- Occurrences: --

Comments: 2) Infuse antibody via pump

3) If any of the following occurs: FEVER (T greater than 38.5 degrees C), 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 Additional Orders

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 for 1 dose

Start: S

diphenhydrAMINE (BENADRYL) injection 25

mg

Dose: 25 mg Route: intravenous PRN for 1 dose

Start: S

hydrocortisone sodium succinate (Solu-CORTEF) injection 100 mg

Dose: 100 mg Route: intravenous PRN for 1 dose

Line Flush

sodium chloride 0.9 % flush 20 mL

Dose: 20 mL Route: intravenous PRN

Day +21

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

Instructions:

To keep vein open.

Pharmacy Consult

PHARMACY CONSULT TO SCREEN FOR RAPID RITUXIMAB INFUSION

Interval: -- Occurrences: --

Rituximab Pre-Medications

acetaminophen (TYLENOL) tablet 650 mg

Dose: 650 mg Route: oral once for 1 dose

Start: S

diphenhydrAMINE (BENADRYL) injection 25

mq

Dose: 25 mg

Route: intravenous

once for 1 dose

Start: S

Chemotherapy RiTUXimab (PF) (RITUXAN) 375 mg/m2 in

o sodium chloride 0.9% INITIAL INFUSION RATE

Dose: 375 mg/m2

Route: intravenous

once for 1 dose Offset: 60 Minutes

Instructions:

Initiate infusion at rate of 50 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), then increase infusion rate by 50 mg/hour every 30 minutes, to a maximum rate of 400 mg/hour.

Ingredients:

Name	Туре	Dose	Selected	Adds Vol.
RITUXIMAB 10	Medications	375	Main	Yes
MG/ML		mg/m2	Ingredient	
CONCENTRATE, IN				
TRAVENOUS				
SODIUM	Base		Yes	Yes
CHLORIDE 0.9 %				
INTRAVENOUS				
SOLUTION				
DEXTROSE 5 % IN	Base		No	Yes
WATER (D5W)				
INTRAVENOUS				
SOLUTION				

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

Dose: -- Route: intravenous

once for 1 dose Offset: 60 Minutes

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.

Ingredients:	Name RITUXIMAB 10 MG/ML CONCENTRATE,IN TRAVENOUS	Type Medications	Dose	Selected Main Ingredient	Adds Vol. Yes
	SODIUM CHLORIDE 0.9 % INTRAVENOUS SOLUTION	Base		Yes	Yes
	DEXTROSE 5 % IN WATER (D5W) INTRAVENOUS SOLUTION	Base		No	Yes

RITUXimab (PF) (RITUXAN) 375 mg/m2 in sodium chloride 0.9% 250 mL RAPID INFUSION RATE IVPB

Dose: 375 mg/m2 once over 90 Minutes for 1 dose Route: intravenous

Offset: 60 Minutes

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).

ingreaients:	name	туре	Dose	Selected	Adas voi.
_	RITUXIMAB 10	Medications	375	Main	Yes
	MG/ML		mg/m2	Ingredient	
	CONCENTRATE,IN				
	TRAVENOUS				
	SODIUM	QS Base	250 mL	Yes	Yes
	CHLORIDE 0.9 %				
	INTRAVENOUS				
	SOLUTION				
	DEXTROSE 5 % IN	QS Base		No	Yes
	WATER (D5W)				

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

INTRAVENOUS SOLUTION

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

temperature greater than 38.5 degrees C

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Interval: Until discontinued

Occurrences: --

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 Additional Orders

meperidine (DEMEROL) injection 12.5 mg

Dose: 12.5 mg every 15 min PRN for 3 doses Route: intravenous Start: S epINEPHrine (ADRENALIN) 1 mg/1 mL injection 0.3 mg Dose: 0.3 mg Route: subcutaneous PRN for 1 dose Start: S diphenhydrAMINE (BENADRYL) injection 25 mq PRN for 1 dose Dose: 25 ma Route: intravenous Start: S hydrocortisone sodium succinate (Solu-CORTEF) injection 100 mg Dose: 100 mg Route: intravenous PRN for 1 dose Line Flush sodium chloride 0.9 % flush 20 mL Dose: 20 mL Route: intravenous **PRN** Day +28 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 Instructions: To keep vein open. Pharmacy Consult PHARMACY CONSULT TO SCREEN FOR **RAPID RITUXIMAB INFUSION** Interval: --Occurrences: --Rituximab Pre-Medications acetaminophen (TYLENOL) tablet 650 mg once for 1 dose Dose: 650 mg Route: oral Start: S diphenhydrAMINE (BENADRYL) injection 25 Dose: 25 mg Route: intravenous once for 1 dose Start: S Chemotherapy RiTUXimab (PF) (RITUXAN) 375 mg/m2 in O sodium chloride 0.9% INITIAL INFUSION RATE **IVPB** Dose: 375 mg/m2 Route: intravenous once for 1 dose Offset: 60 Minutes Instructions: Initiate infusion at rate of 50 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), then increase infusion rate by 50 mg/hour every 30 minutes, to a maximum rate of 400 mg/hour. Ingredients: Name Type **Dose** Selected Adds Vol. **RITUXIMAB 10** Medications 375 Main Yes MG/ML Ingredient mg/m2

CONCENTRATE, IN			
TRAVENOUS			
SODIUM	Base	Yes	Yes
CHLORIDE 0.9 %			
INTRAVENOUS			
SOLUTION			
DEXTROSE 5 % IN	Base	No	Yes
WATER (D5W)			
INTRAVENOUS			
SOLUTION			

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

Dose: -- Route: intravenous once for 1 dose
Offset: 60 Minutes

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.

Ingredients:	Name RITUXIMAB 10 MG/ML CONCENTRATE,IN TRAVENOUS	Medications	Dose	Main Ingredient	Yes
	SODIUM CHLORIDE 0.9 % INTRAVENOUS SOLUTION	Base		Yes	Yes
	DEXTROSE 5 % IN WATER (D5W) INTRAVENOUS SOLUTION	Base		No	Yes

RiTUXimab (PF) (RITUXAN) 375 mg/m2 in • sodium chloride 0.9% 250 mL RAPID INFUSION RATE IVPB

Dose: 375 mg/m2 Route: intravenous once over 90 Minutes for 1 dose

Offset: 60 Minutes

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:

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Grade 4 Reaction: Life-threatening

consequences: urgent intervention indicated

(e.g., vasopressors or ventilator support).

Ingredients: Name Type Dose Selected Adds Vol.

RITUXIMAB 10 Medications 375 Main Yes MG/ML mg/m2 Ingredient

CONCENTRATE, IN

TRAVENOUS

SODIUM QS Base 250 mL Yes Yes

Yes

CHLORIDE 0.9 % INTRAVENOUS SOLUTION

DEXTROSE 5 % IN QS Base No

WATER (D5W) INTRAVENOUS SOLUTION

Rituximab Instructions

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Interval: -- Occurrences: --

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temperature greater than 38.5 degrees C

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Interval: -- Occurrences: --

Comments: 2) Infuse antibody via pump

3) If any of the following occurs: FEVER (T greater than 38.5 degrees C), 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)

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

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Dose: 0.3 mg Route: subcutaneous PRN for 1 dose

Start: S

diphenhydrAMINE (BENADRYL) injection 25

ma

Dose: 25 mg Route: intravenous PRN for 1 dose

Start: S

hydrocortisone sodium succinate (Solu-CORTEF) injection 100 mg

Dose: 100 mg Route: intravenous PRN for 1 dose

Line Flush

sodium chloride 0.9 % flush 20 mL

Dose: 20 mL Route: intravenous PRN