CHILDREN'S HEALTH

Patient Name: _____

Date of Birth: _____

PHYO
CMC85047-001NS Rev. 3/2021

Rituximab (RITUXAN) (Rheumatology) Infusion Therapy Plan

Baseline Patient Demographic

To be completed by the ordering provider.

Diagnosis: _____ Height: _____ cm Weight: _____ kg Body Surface Area: _____ (m^2)

☐ NKDA - No Known Drug Allergies ☐ Allergies: _____

Therapy Plan orders extend over time (several visits) including recurring treatment.

Please specify the following regarding the entire course of therapy:

Duration of treatment: _____ weeks _____ months _____ unknown

Treatment should begin: ☐ as soon as possible (within a week) ☐ within the month

****Plans must be reviewed / re-ordered at least annually.** **

ORDERS TO BE COMPLETED FOR EACH THERAPY

ADMIT ORDERS

☑ **Height and weight**

☑ **Vital signs**

Hypotension Defined Admit

☐ **Nursing communication**

Prior to starting infusion, please determine the patient's threshold for hypotension as defined by the following parameters. This information will be needed in the event of an infusion reaction occurring.
Hypotension is defined as follows:
1 month to 1 year - systolic blood pressure (SBP) less than 70
1 year to 11 years - systolic blood pressure (SBP) less than 70 + (2 x age in years)
11 years to 17 years - systolic blood pressure (SBP) less than 90
OR any age - systolic blood pressure (SBP) drop of more than 30% from baseline.
Baseline systolic blood pressure (SBP) x 0.7 = value below defined as hypotension.

PREGNANCY TESTS AT DALLAS AND PLANO

Nursing communication

Only one pregnancy test is necessary, based on facility capabilities. Please utilize the lab that is available per facility.

☐ Patient requires a pregnancy test (based on organizational policy, female patients over 10 require a pregnancy test)

Pregnancy test, urine - POC

STAT, ONE TIME, for females > 10 years old. If positive, do NOT infuse and contact the ordering provider.

Gonodotropin chorionic (HCG) urine

STAT, ONE TIME, unit collect, for females > 10 years old. If positive, do NOT infuse and contact ordering provider.

NURSING ORDERS

Please select all appropriate therapy

IV START NURSING ORDERS

☐ **Insert peripheral IV / Access IVAD**

Place PIV if needed or access IVAD if available

Key: cm = centimeter; gm = gram; IV = intravenous; IVAD = implantable venous access device; kg = kilogram; m^2 = square meters; mg = milligram; mg/m2 = milligram per square meter; mL = milliliter; mL / hr = milliliters per hour; mm = millimeter; mmHg = millimeters of mercury; mOsm / L = millisomole per liter; NKDA = No Known Drug Allergies; NS = normal saline; pH = hydrogen ion concentration; PIV = peripheral intravenous; PRN = as needed; RTA = ready to administer; SBP = systolic blood pressure; STAT = immediately

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NURSING ORDERS, CONTINUED

Please select all appropriate therapy

☐ **lidocaine 1% BUFFERED (J-TIP LIDOCAINE)**

0.2 mL, INTRADERMAL, PRN

☐ when immediate procedure needed ☐ when procedure will take about 1 minute ☐ patient / family preference for procedure

Administration Instructions: NOTE: Do not use this medication in patients with bleeding disorders, platelets ≤ 20,000, or in patients taking anticoagulants, when accessing implanted ports or using a vein that will be utilized for chemotherapy administration, nor for pre-term infants or neonates.

☐ **lidocaine - prilocaine (EMLA) cream**

TOPICAL, PRN

☐ when more than 60 minutes are available before procedure ☐ when procedure will take more than 1 hour

☐ patient / family preference for procedure

Administration Instructions: NOTE: In children < 3 months of age, or < 5 kg in weight, maximum application time is 1 hour.

☐ **lidocaine - tetracaine (SYNERA) patch**

TOPICAL, PRN

☐ when 20 - 30 minutes are available before procedure ☐ when procedure will take more than 1 hour

☐ when anticipated pain is less than 5 mm from skin surface ☐ patient / family preference for procedure

☐ **lidocaine with transparent dressing 4% kit**

TOPICAL, PRN

☐ when 20 - 30 minutes are available before procedure ☐ when procedure will take more than 1 hour

☐ patient / family preference for procedure

☐ **Heparin flush**

heparin flush

10 - 50 units, INTRAVENOUS, PRN, IV line flush. Per protocol, heparin should not be used to flush peripheral IVs. This heparin flush should be used with all central lines including IVADs, with the exception of de-accessing the IVAD.

heparin flush

100 - 300 units, INTRAVENOUS, PRN, IV line flush. Per protocol, heparin should not be used to flush peripheral IVs. For use only when de-accessing IVADs.

☐ **Sodium chloride flush**

Sodium chloride flush 0.9% injection

1 - 20 mL, INTRAVENOUS, PRN, IV line flush

Sodium chloride - preserative free 0.9% injection

1 - 30 mL, INTRAVENOUS, PRN, IV line flush

PRE-MEDICATIONS

☐ **Acetaminophen pre-medication 30 minutes prior (15 mg / kg, maximum 650 mg)**

Nursing communication

Administer only one of the acetaminophen orders, suspension or tablets, do not give both.

acetaminophen suspension

15 mg / kg, ORAL, for 1 dose pre-medication, give 30 minutes prior to infusion

Dose: _____

acetaminophen tablet

15 mg / kg ORAL, for 1 dose pre-medication, give 30 minutes prior to infusion

Dose: _____

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PRE-MEDICATIONS

☐ **Diphenhydramine pre-medication 30 minutes prior (1 mg / kg, maximum 50 mg)**

Nursing communication

Administer only one of the diphenhydrAMINE pre-medication orders, liquid, capsule or injection, do not give more than one of the orders as a pre-medication.

diphenhydrAMINE liquid

1 mg / kg, ORAL, for 1 dose pre-medication, give 30 minutes prior to infusion

Dose: _____

diphenhydrAMINE capsule

1 mg / kg ORAL, for 1 dose pre-medication, give 30 minutes prior to infusion

Dose: _____

diphenhydrAMINE injection

1 mg / kg, INTRAVENOUS, 1 dose pre-medication, give 30 minutes prior to infusion

Dose: _____

☐ **methylPREDNISolone RTA infusion**

2 mg / kg INTRAVENOUS, for 1 dose. Give 30 minutes prior to riTUXimAB Ready to administer by IV infusion. Doses > 15 mg / kg should be given over a minimum of 1 hour. (see protocol for monitoring parameters.)

Dose: _____

INTRA-PROCEDURE

☑ **Nursing communication**

Adverse reactions may include fever, chills, rigors, hypotension and severe allergic reactions (anaphylaxis)

☑ **Vital signs**

Obtain baseline vitals prior to start of riTUXimab infusion. Then monitor vitals 15 minutes after initiation of the infusion and 15 minutes after each rate change. Check vitals at the completion of the infusion and observe post infusion based on patient status.

☑ **Nursing communication**

In the event of any hypersensitivity or other infusion related symptoms, the infusion should be stopped and the provider notified.

Initial infusion	first hour infusion rate	0.5 mg / kg / hr	maximum rate: 50 mg / hr
	if no infusion related events observed after 60 minutes	Increase rate by 1 mg / kg / hr	maximum rate: 100 mg / hr
	if no infusion related events observed after 30 minutes	Increase rate by 0.5 mg / kg / hr	maximum rate: 400 mg / hr
Subsequent infusion	first hour infusion rate	1 mg / kg / hr	maximum rate: 100 mg / hr
	if no infusion related events are observed after 30 minutes	Increase rate by 1 mg / kg / hr	maximum rate: 400 mg / hr

Key: cm = centimeter; gm = gram; IV = intravenous; IVAD = implantable venous access device; kg = kilogram; m² = square meters; mg = milligram; mg/m2 = milligram per square meter; mL = milliliter; mL / hr = milliliters per hour; mm = millimeter; mmHg = millimeters of mercury; mOsm / L = millisomole per liter; NKDA = No Known Drug Allergies; NS = normal saline; pH = hydrogen ion concentration; PIV = peripheral intravenous; PRN = as needed; RTA = ready to administer; SBP = systolic blood pressure; STAT = immediately

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ORDERS TO BE COMPLETED FOR EACH THERAPY

INTRA-PROCEDURE, CONTINUED

☑ **Physician communication order**

Please round riTUXimab dose, if clinically acceptable, to nearest 100 mg to minimize waste. Dose regimen of riTUXimab 750 mg / m2 every 2 weeks x 2 doses, 750 mg / m2 every 6 months or 375 mg / m2 every week x 4 doses (maximum dose = 1,000 mg). Please enter the dose of riTUXimab in 'mg' to facilitate prior authorization requirements.

Loading Dose x 2

☐ **riTUXimab in sodium chloride 0.9% infusion INTERVAL: Every 2 weeks DEFER UNTIL: _____ DURATION: For 2 treatments**

INTRAVENOUS, ONCE starting 0.5 hours after treatment start time, for 1 dose. Final concentration should be 1 mg / 1 mL. Initial infusion:

Dose: _____

Initial infusion	first hour infusion rate	0.5 mg / kg / hr	maximum rate: 50 mg / hr
	if no infusion related events observed after 60 minutes	Increase rate by 1 mg / kg / hr	maximum rate: 100 mg / hr
	if no infusion related events observed after 30 minutes	Increase rate by 0.5 mg / kg / hr	maximum rate: 400 mg / hr
Subsequent infusion	first hour infusion rate	1 mg / kg / hr	maximum rate: 100 mg / hr
	if no infusion related events are observed after 30 minutes	Increase rate by 1 mg / kg / hr	maximum rate: 400 mg / hr

Loading Dose x 4

☐ **riTUXimab in sodium chloride 0.9% infusion INTERVAL: 1 time a week DEFER UNTIL: _____ DURATION: For 4 treatments**

INTRAVENOUS, ONCE starting 0.5 hours after treatment start time, for 1 dose. Final concentration should be 1 mg / 1 mL. Initial infusion:

Dose: _____

Initial infusion	first hour infusion rate	0.5 mg / kg / hr	maximum rate: 50 mg / hr
	if no infusion related events observed after 60 minutes	Increase rate by 1 mg / kg / hr	maximum rate: 100 mg / hr
	if no infusion related events observed after 30 minutes	Increase rate by 0.5 mg / kg / hr	maximum rate: 400 mg / hr
Subsequent infusion	first hour infusion rate	1 mg / kg / hr	maximum rate: 100 mg / hr
	if no infusion related events are observed after 30 minutes	Increase rate by 1 mg / kg / hr	maximum rate: 400 mg / hr

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ORDERS TO BE COMPLETED FOR EACH THERAPY

INTRA-PROCEDURE, CONTINUED

Maintenance Dose

☐ **riTUXimab in sodium chloride 0.9% infusion INTERVAL: Day 1 of every 6 months DEFER UNTIL: _____ DURATION: Until discontinued**
INTRAVENOUS, ONCE starting 0.5 hours after treatment start time, for 1 dose. Final concentration should be 1 mg / 1 mL. Initial infusion:

Dose: _____

Initial infusion	first hour infusion rate	0.5 mg / kg / hr	maximum rate: 50 mg / hr
	if no infusion related events observed after 60 minutes	Increase rate by 1 mg / kg / hr	maximum rate: 100 mg / hr
	if no infusion related events observed after 30 minutes	Increase rate by 0.5 mg / kg / hr	maximum rate: 400 mg / hr
Subsequent infusion	first hour infusion rate	1 mg / kg / hr	maximum rate: 100 mg / hr
	if no infusion related events are observed after 30 minutes	Increase rate by 1 mg / kg / hr	maximum rate: 400 mg / hr

Therapy Appointment Request
Please select department for the therapy appointment request:

Expires in 365 days

☐ Dallas Special Procedures ☐ Plano Infusion Center ☐ Dallas Allergy ☐ Dallas Transplant ☐ Dallas Neurology

EMERGENCY MEDICATIONS

☑ **Nursing communication**

1. Hives or cutaneous reaction only – no other system involvement
PATIENT IS HAVING A DRUG REACTION:
   - **a.** Stop the infusion
   - **b.** Give diphenhydramine as ordered
   - **c.** Check heart rate, respiratory rate and blood pressure every 5 minutes until further orders from provider.
   - **d.** Connect patient to monitor (cardiac / apnea, blood pressure and oxygen saturation) if not already on one
   - **e.** Notify provider for further orders

2. Hives or cutaneous reaction plus one other system, i.e. abdominal cramping, vomiting, hypotension, altered mental status, respiratory distress, mouth / tongue swelling
PATIENT IS HAVING ANAPHYLAXIS:
   - **a.** Stop the infusion
   - **b.** Call code – do not wait to give epinephrine
   - **c.** Give epinephrine as ordered
   - **d.** Notify provider
   - **e.** Check heart rate, respiratory rate and blood pressure every 5 minutes until the code team arrives.
   - **f.** Connect patient to monitor (cardiac / apnea, blood pressure and oxygen saturation), if not already on one.
   - **g.** Give diphenhydramine once as needed for hives
   - **h.** May repeat epinephrine every 5 minutes x 2 doses for persistent hypotension and respiratory distress with desaturation until code team arrives.
   - **i.** May give albuterol as ordered for wheezing with oxygen saturation stable while waiting for code team, continue to monitor oxygen saturation.

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ORDERS TO BE COMPLETED FOR EACH THERAPY

EMERGENCY MEDICATIONS, CONTINUED

☐ **EPINEPHrine Injection Orderable For Therapy Plan (AMPULE / EPI - PEN JR. / EPI - PEN) 0.01 mg / kg**

0.01 mg / kg, INTRAMUSCULAR, EVERY 5 MINUTES PRN, for anaphylaxis and may be repeated for persistent hypotension and respiratory distress with desaturation until the code team arrives, for 3 doses
Use caution with PIV administration. This solution has a pH < 5, or a pH > 9, or an osmolality > 600 mOsm / L.

Dose: _____

☐ **Cardio / Respiratory Monitoring**
Rationale for Monitoring: High risk patient (please specify risk)

- ☐ Clinically significant cardiac anomalies or dysrhythmias
- ☐ Recent acute life-threatening event
- ☐ Unexplained or acutely abnormal vital signs
- ☐ Artificial airway (stent, tracheostomy, oral airway)
- ☐ Acute, fluctuating or consistent oxygen requirements

Monitor Parameters (select all that apply): ☐ Heart rate ☐ Oxygen saturation ☐ Respiratory rate
Telemetry Required: ☐ Yes ☐ No

☐ **diphenhydrAMINE injection**

1 mg / kg, INTRAVENOUS, ONCE PRN,for hives or cutaneous reaction, for 1 dose maximum dose = 50 mg per dose, 300 mg per day.

Dose: _____

☐ **Albuterol for aerosol**

0.25 mg / kg., INHALATION ONCE PRN, for wheezing, but oxygen saturations stable while waiting for code team, continue to monitor oxygen saturation for 1 dose

Dose: _____

POST - PROCEDURE

☐ **Nursing communication**

Flush PIV or IVAD with 20 mL 0.9% sodium chloride (250 mL bag) at the completion of the infusion.
Flush IVAD with saline and heparin flush per protocol prior to de-accessing IVAD.
Discontinue PIV prior to discharge.

☐ **Sodium chloride 0.9% infusion**

INTRAVENOUS at 0 - 25 mL / hr. ONCE, for 1 dose.

Dose: _____

Signature of Provider	(circle one): MD DO Credentials	Date	Time

Printed Name of Provider

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