

Treatment Plans: *Red Cell Exchanges*

Active Treatment Plans

Sickle cell anemia

Plan Order Summary

All Current Orders

Procedure	Interval	Duration	Due
<input checked="" type="checkbox"/> Red Blood Cell Exchange Directives Once Starting when released Is this an exchange, depletion/exchange, or depletion only? Exchange Target HCT %: 30 Fraction of Cells Remaining (FCR) %: 30-50% Will this patient require additional priming of the apheresis tubing set? No Perform RBC Exchange procedure: once If the pre-procedure Hgb SS/SC Variant % is not resultued, use the average of the last 3 available pre-procedure values in the past 6 months. If pre-procedure Hgb SS/SC Variant % is < 10%, HATS Attending or designee will decide whether to perform procedure. Inlet: AC ratio 13:1 with an AC infusion rate 0.8 mL/min/L TBV If you have spiked a unit of blood, please complete the unit of blood prior to completing the procedure unless a transfusion reaction or otherwise specified by HATS Attending or designee. If an exchange is to be performed or the apheresis tubing set is to be primed with RBC, complete a Prepare RBC order and a Transfuse RBC order. Last released: Wed 6/30/2021	Every visit		Every visit
<input checked="" type="checkbox"/> Prepare Leukoreduced RBC Crossmatch Exchange (In mL) Transfusion Indications: Exchange Are you ordering in volume, units, or both? Units Only Number of Units (maximum 30): 6	Every visit		Every visit

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Active Treatment Plans

Last released: Tue 6/29/2021

- ✓ **Transfuse Leukoreduced RBC** Every visit Every visit
Transfuse 6 units Starting when released for 6 occurrences
Provider: Select a frequency that is approximately equal to the volume ordered for this patient.
Last released: Wed 6/30/2021

Pre-Procedure

- ✓ **Vital Signs** Every visit Every visit
Within 1 hour pre-procedure, 15 minutes after start of blood product replacement, as needed during the procedure and promptly after procedure.
Last released: Wed 6/30/2021
- ✓ **Insert Peripheral IV** Every visit Every visit
Insert peripheral IV line.
Last released: Wed 6/30/2021
- ✓ **HEMAPHERESIS CATHETER** Every visit Every visit
If available, nursing may access hemapheresis catheter. Flush per protocol post procedure. Protocol can be found at:
https://hpo.johnshopkins.edu/hopkins/policies/39/139/policy_139.pdf?_=0.641149956142
Last released: Never

Premedications

- ✓ **acetaminophen (TYLENOL) tablet 650 mg** Every visit Every visit
650 mg, Oral, Once, Starting when released
Last released: Wed 6/30/2021

Intra-Procedure

- ✓ **acetaminophen (TYLENOL) tablet 650 mg** PRN PRN
650 mg, Oral, 2 times daily PRN, mild pain (1-3), Temperature > 38.3 C (100.9 F), Notify MD if second dose is administered, Starting when released,
Until Discontinued
No sooner than 4 hours after the premedication dose
Last released: Never
- ✓ **diphenhydramine (BENADRYL) 50 mg/mL injection 25 mg** PRN PRN
25 mg Intravenous, 2 times daily PRN Itching, Any symptom of allergic reaction other than just itching, E.g. hives, rash, scratchy throat, wheezing

Close

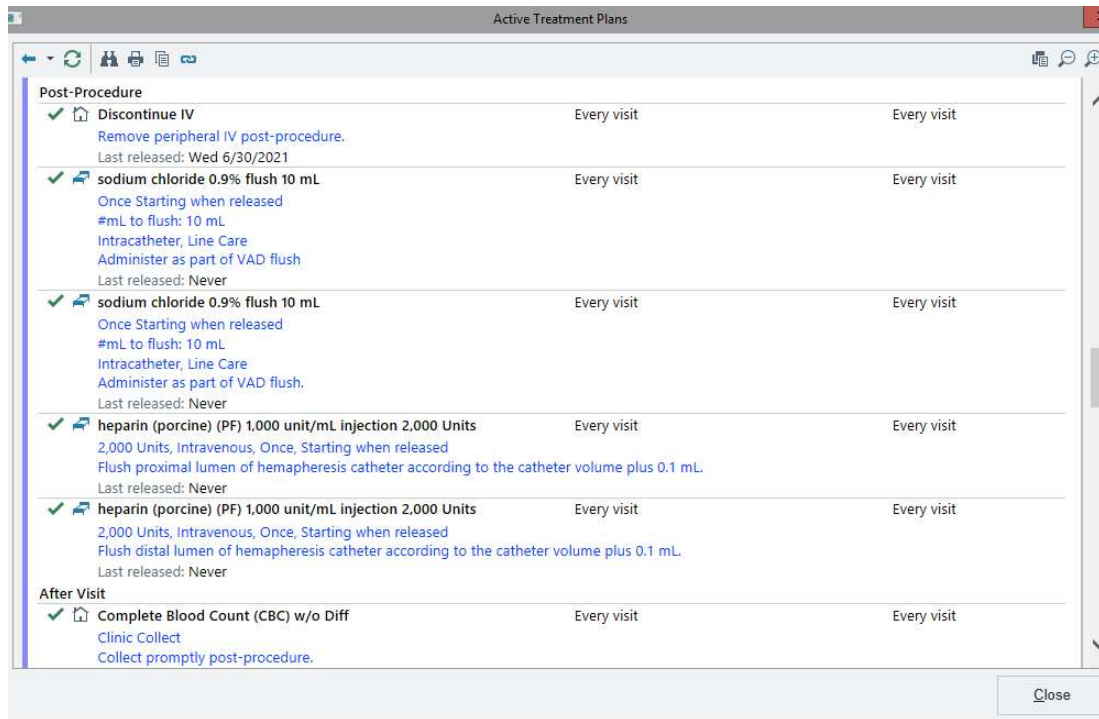
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The screenshot shows a software window titled "Active Treatment Plans" with a close button (X) in the top right corner. The window contains a list of medical orders under the heading "Intra-Procedure". At the top, it says "Last released: Wed 6/30/2021". The list includes:

- acetaminophen (TYLENOL) tablet 650 mg**: PRN, PRN. 650 mg, Oral, 2 times daily PRN, mild pain (1-3), Temperature > 38.3 C (100.9 F), Notify MD if second dose is administered, Starting when released, Until Discontinued. No sooner than 4 hours after the premedication dose. Last released: Never.
- diphenhydramine (BENADRYL) 50 mg/mL injection 25 mg**: PRN, PRN. 25 mg, Intravenous, 2 times daily PRN, Itching, Any symptom of allergic reaction other than just itching. E.g. hives, rash, scratchy throat, wheezing, shortness of breath, etc., Starting when released, Until Discontinued. Notify MD if second dose is administered. Last released: Never.
- diphenhydramine (BENADRYL) tablet 25 mg**: PRN, PRN. 25 mg, Oral, 2 times daily PRN, Itching, Starting when released, Until Discontinued. Notify MD if second dose is administered. Last released: Never.
- Calcium, Ionized, Whole Blood**: PRN, PRN. Clinic Collect. Collect as needed if patient shows signs and symptoms of hypocalcemia. Last released: Never.
- calcium carbonate (TUMS) chewable tablet 1,000 mg**: PRN, PRN. 1,000 mg, Oral, Once as needed PRN, Other, hypocalcemia, Starting when released, Until Discontinued. As needed for signs and symptoms of hypocalcemia. Give this first for hypocalcemia. Last released: Wed 6/30/2021.
- calcium GLUCONATE 2 g/100 mL NS Premix**: PRN, PRN. 2 g, Intravenous, Once as needed PRN, hypocalcemia, Starting when released, Until Discontinued. As needed for signs and symptoms of hypocalcemia. Give this second if patient doesn't respond to calcium carbonate after 30 minutes. Last released: Never.

A "Close" button is located at the bottom right of the window.

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The screenshot shows a software window titled "Active Treatment Plans" with a list of medical orders. The orders are organized into "Post-Procedure" and "After Visit" sections. Each order includes a status icon, a checkmark, a home icon, a description, frequency, and a last released date.

Section	Order Description	Frequency	Last Released
Post-Procedure	Discontinue IV Remove peripheral IV post-procedure. Last released: Wed 6/30/2021	Every visit	Every visit
	sodium chloride 0.9% flush 10 mL Once Starting when released #mL to flush: 10 mL Intracatheter, Line Care Administer as part of VAD flush Last released: Never	Every visit	Every visit
	sodium chloride 0.9% flush 10 mL Once Starting when released #mL to flush: 10 mL Intracatheter, Line Care Administer as part of VAD flush. Last released: Never	Every visit	Every visit
	heparin (porcine) (PF) 1,000 unit/mL injection 2,000 Units 2,000 Units, Intravenous, Once, Starting when released Flush proximal lumen of hemapheresis catheter according to the catheter volume plus 0.1 mL. Last released: Never	Every visit	Every visit
	heparin (porcine) (PF) 1,000 unit/mL injection 2,000 Units 2,000 Units, Intravenous, Once, Starting when released Flush distal lumen of hemapheresis catheter according to the catheter volume plus 0.1 mL. Last released: Never	Every visit	Every visit
	Complete Blood Count (CBC) w/o Diff Clinic Collect Collect promptly post-procedure.	Every visit	Every visit