ADULT AMBULATORY INFUSION ORDER  
Epoetin alfa-epbx (RETA CRIT)  
Injection initiation

**This plan will expire after 365 days at which time a new order will need to be placed**
**This order set is for INITIAL DOSE ONLY. For continued maintenance dosing, providers MUST fill out appropriate epoetin alfa-epbx maintenance order set**

**INDICATION:** *(Must check one)*
- [ ] Anemia of Chronic Kidney Disease (CKD)
- [ ] Chemotherapy-induced anemia
- [ ] Symptomatic anemia associated with myelodysplastic syndrome (MDS)
- [ ] Other:
  - [ ] Zidovudine therapy in HIV-infected patients
  - [ ] Pre-surgical anemic patient at high risk for peri-operative blood loss from elective, noncardiac, nonvascular surgery

**GUIDELINES FOR ORDERING**
1. Send FACE SHEET and H&P or most recent chart note.
2. OHSU’s formulary erythropoiesis stimulating agent (ESA) is darbepoetin alfa (ARANESP). All orders for epoetin alfa-epbx (RETA CRIT) will be converted to darbepoetin alfa using equivalent therapeutic interchange dosing listed in the table below. Providers who prefer to use epoetin alfa-epbx must specify a reason for its use. **REASON FOR EPOETIN USE:**

3. All patients must be negative when evaluated for blood loss, hemolysis, and bone marrow fibrosis prior to initiation of therapy. Providers must assess and replete iron, folate, and Vitamin B12 prior to any treatment with erythropoiesis stimulating agent.
4. Patients receiving concurrent treatment with Iron Sucrose (VENOFER) and/or Vitamin B12 cannot receive ESA treatment on the same day. Patients may be on prophylactic oral iron supplementation concurrent with ESA treatment as long as supplementation for the prevention of iron deficiency is necessary due to ESA therapy alone.
5. Hemoglobin and hematocrit must be obtained within 1 week of therapy initiation. Hemoglobin must be less than 10 g/dL or hematocrit must be less than 30% prior to initiation. Serum ferritin and transferrin saturation (TSAT) must be performed every month during initial (ESA) treatment and at least every 3 months during stable ESA treatment (serum ferritin greater than 100 ng/mL, and TSAT greater than or equal to 20%).
6. **For patients with anemia of CKD:** The medical record must display documentation that anemia is clearly attributed to a CKD diagnosis. The specific CKD stage must be moderate (stage III) to end stage
7. **For patients with chemotherapy-induced anemia:** The medical record must document the provider’s rationale for determining the anemia is “chemotherapy-induced.” Anemia must be secondary to myelosuppressive anticancer chemotherapy in solid tumors, multiple myeloma, lymphoma, or
lymphocytic leukemia. Treatment should be limited to the 8 weeks following myelosuppressive chemotherapy.

8. For patients with symptomatic anemia from MDS: The patient must be symptomatic and his/her life expectancy must be greater than 3 months. The medical record must display documentation that a bone marrow biopsy has been reviewed by a provider and is consistent with the diagnosis of MDS. The marrow blast count must be less than 5%

LABS:

- Hemoglobin & Hematocrit, Routine, ONCE
- CMP, Routine, ONCE
- Ferritin (serum), Routine, ONCE
- Iron and TIBC (serum), Routine, ONCE
- Vitamin B-12 (serum), Routine, ONCE
- Folate (serum), Routine, ONCE
- Labs already drawn. Date: 

(Note: These labs are to accompany initiation of treatment and only occur once. Maintenance labs must be ordered on the maintenance order set.)

NURSING ORDERS:

1. Patients receiving concurrent treatment with Iron Sucrose (VENOFER) and/or Vitamin B12 cannot receive ESA treatment on the same day.

2. TREATMENT PARAMETERS – Hemoglobin and hematocrit must be obtained within 1 week of therapy initiation. Hemoglobin must be less than 10 g/dL or hematocrit must be less than 30% prior to initiation. Serum ferritin should be greater than 100 ng/mL and transferrin saturation should be greater than or equal to 20%. Hold treatment and call provider if lab parameters are not met or if blood pressure is greater than 180 systolic or 100 diastolic.

3. Follow facility policies and/or protocols for vascular access maintenance with appropriate flush solution, declotting (alteplase), and/or dressing changes.

OTHER:

Conversion from epoetin alfa-epbx (RETACRIT) to darbepoetin alfa (ARANESP): Initial adult dosing

<table>
<thead>
<tr>
<th>Epoetin alfa-epbx dose (units/week)</th>
<th>Darbepoetin alfa dose (mcg/week)</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;1500</td>
<td>6.25</td>
</tr>
<tr>
<td>1500-2499</td>
<td>6.25</td>
</tr>
<tr>
<td>2500-4999</td>
<td>12.5</td>
</tr>
<tr>
<td>5000-10,999</td>
<td>25</td>
</tr>
<tr>
<td>11,000-17,999</td>
<td>40</td>
</tr>
<tr>
<td>18,000-33,999</td>
<td>60</td>
</tr>
<tr>
<td>34,000-89,999</td>
<td>100</td>
</tr>
<tr>
<td>≥90,000</td>
<td>200</td>
</tr>
</tbody>
</table>
In patients receiving epoetin alfa-epbx 2-3 times weekly, darbepoetin should be given once weekly. If epoetin is administered once weekly, darbepoetin should be given once every 2 weeks. Darbepoetin dosing every 2 weeks should be determined by adding the 2 weekly epoetin alfa-epbx doses, then convert to appropriate corresponding darbepoetin dose. Doses should be titrated to hemoglobin response thereafter.

MEDICATIONS:

- epoetin alfa-epbx (RETACRIT), subcutaneous, ONCE
  Initiate first dose within 1 week of obtaining baseline labs.
  *Pharmacist will round dose to nearest vial size if within 10% of original dose during verification*

  Anemia of Chronic Kidney Disease:
  - 100 units/kg = _____ units, three times per week x 3 doses
    - Hold treatment if Hemoglobin is greater than _________ mg/dL
    - Restart treatment if Hemoglobin is less than _________ mg/dL

  Chemotherapy-induced anemia:
  - 40,000 units, ONCE
  - 150 units/kg = _____ units, three times per week x 3 doses
    - Hold treatment if Hemoglobin is greater than _________ mg/dL
    - Restart treatment if Hemoglobin is less than _________ mg/dL

  Symptomatic anemia associated with MDS:
  - 40,000 units, two times per week x 2 doses
  - 150 units/kg = _____ units
    - Hold treatment if Hemoglobin is greater than _________ mg/dL
    - Restart treatment if Hemoglobin is less than _________ mg/dL

  Other:
  - Zidovudine therapy
    - 100 units/kg = _____ units, three times per week x 3 doses
  - Pre-surgical
    - 300 units/kg = _____ units, daily x 10 doses pre-surgery
    - 600 units/kg = _____ units, weekly x 3 doses pre-surgery

Fixed dose regimens: (must check one)

Dose:
- 2,000 units
- 3,000 units
- 4,000 units
- 10,000 units
- 20,000 units
- 40,000 units

Interval:
- Once
- _____ times per _________ x _________
By signing below, I represent the following:
I am responsible for the care of the patient (who is identified at the top of this form);
I hold an active, unrestricted license to practice medicine in: ☐ Oregon ☐ ____________ (check box that corresponds with state where you provide care to patient and where you are currently licensed. Specify state if not Oregon);

My physician license Number is # ________________ (MUST BE COMPLETED TO BE A VALID PRESCRIPTION); and I am acting within my scope of practice and authorized by law to order Infusion of the medication described above for the patient identified on this form.

Provider signature: ___________________________ Date/Time: ___________________________
Printed Name: ___________________________ Phone: ___________ Fax: ___________

OLC Central Intake Nurse:
Phone: 971-262-9645 (providers only) Fax: 503-346-8058

Please check the appropriate box for the patient’s preferred clinic location:

☐ Beaverton
OHSU Knight Cancer Institute
15700 SW Greystone Court
Beaverton, OR 97006
Phone number: 971-262-9000
Fax number: 503-346-8058

☐ NW Portland
Legacy Good Samaritan campus
Medical Office Building 3, Suite 150
1130 NW 22nd Ave.
Portland, OR 97210
Phone number: 971-262-9600
Fax number: 503-346-8058

☐ Gresham
Legacy Mount Hood campus
Medical Office Building 3, Suite 140
24988 SE Stark
Gresham, OR 97030
Phone number: 971-262-9500
Fax number: 503-346-8058

☐ Tualatin
Legacy Meridian Park campus
Medical Office Building 2, Suite 140
19260 SW 65th Ave.
Tualatin, OR 97062
Phone number: 971-262-9700
Fax number: 503-346-8058

Infusion orders located at: www.ohsuknight.com/infusionorders