

Electronic Health Record (EHR) Instructions for the Cerner® EHR System:

Create a list of patients with very low- to intermediate-risk MDS and a recent hemoglobin result and who are not previously treated with ESA agents or REBLOZYL (luspatercept-aamt) in **Cerner EHR systems**

INSTRUCTIONS FOR CREATING A REBLOZYL PATIENT LIST

The below instructions are designed to help identify patients with very low- to intermediate-risk MDS and a recent hemoglobin result and who are not previously treated with ESA agents or REBLOZYL.

Instructions and Limitations

These instructions are created specifically to create a Patient List in Cerner EHR systems and will not work for other conditions, treatments, and therapeutic areas.

The process outlined in this piece is variable, and not all steps will apply to every health system. Any steps or settings that are not part of a health system's standard process should be excluded or modified accordingly. Any questions should be directed to the appropriate service provider. The practice is solely responsible for implementing, testing, monitoring, and ongoing operation of any EHR tools.

The criteria for the patient query are:

- A documented diagnosis of Myelodysplastic Syndromes using ICD-10 code from the list below:
 - **D46** Myelodysplastic syndromes
 - **D46.0** Refractory anemia without ring sideroblasts, so stated
 - **D46.1** Refractory anemia with ring sideroblasts
 - **D46.A** Refractory cytopenia with multilineage dysplasia
 - **D46.B** Refractory cytopenia with multilineage dysplasia and ring sideroblasts
 - **D46.4** Refractory anemia, unspecified
 - **D46.Z** Other myelodysplastic syndromes
 - **D46.9** Myelodysplastic syndrome, unspecified
- Lab result for hemoglobin (Hgb): <10 g/dL
- Medications:
 - **Not** previously treated with ESA (erythropoiesis-stimulating agent, ie, epoetin alfa and darbepoetin alfa) medications
 - **Not** previously treated with REBLOZYL (luspatercept-aamt)

Consider including a display column in the report with hemoglobin (Hgb) data to evaluate changes in volume from the baseline reading. Once the patient is identified, a further assessment can be scheduled.

Note: Consider running the report on a regular basis. Once the initial report has been created, it can be saved for future use, and subsequent reports can be rerun. Running reports over time helps identify new patients meeting the inclusion criteria and see progression or worsening of existing patients.

INDICATIONS

REBLOZYL® (luspatercept-aamt) is indicated for the treatment of anemia without previous erythropoiesis stimulating agent use (ESA-naïve) in adult patients with very low- to intermediate-risk myelodysplastic syndromes (MDS) who may require regular red blood cell (RBC) transfusions.

REBLOZYL® (luspatercept-aamt) is indicated for the treatment of anemia failing an erythropoiesis stimulating agent and requiring 2 or more red blood cell (RBC) units over 8 weeks in adult patients with very low- to intermediate-risk myelodysplastic syndromes with ring sideroblasts (MDS-RS) or with myelodysplastic/myeloproliferative neoplasm with ring sideroblasts and thrombocytosis (MDS/MPN-RS-T).

REBLOZYL is not indicated for use as a substitute for RBC transfusions in patients who require immediate correction of anemia.

SELECTED IMPORTANT SAFETY INFORMATION WARNINGS AND PRECAUTIONS

Thrombosis/Thromboembolism

In adult patients with beta thalassemia, thromboembolic events (TEE) were reported in 8/223 (3.6%) of REBLOZYL-treated patients. TEEs included deep vein thrombosis, pulmonary embolus, portal vein thrombosis, and ischemic stroke. Patients with known risk factors for thromboembolism (splenectomy or concomitant use of hormone replacement therapy) may be at further increased risk of thromboembolic conditions. Consider thromboprophylaxis in patients at increased risk of TEE. Monitor patients for signs and symptoms of thromboembolic events and institute treatment promptly.

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Cerner:

Cerner's Discern Analytics 2 is a reporting tool capable of creating patient queries. Consult your organization if additional user rights are required to access this functionality.

1. Launch **Discern Analytics 2.0**. It may be found as DA2.exe in the Cerner applications folder.
2. Click the **Domains** tab to access available domains.
3. Select **File > New > Query** or select the desired domain by double-clicking it.
4. The query wizard will display available categories.
5. In the **Qualifications** window, select the **Diagnosis Code Filter** and click **Modify Filter List**.
6. Enter the **ICD-10 codes** listed in the **Instructions and Limitations** in the search box and select **all ICD codes**. Click **Include**.
7. In the **Qualifications window**, select the **Clinical Events Filter** and click **Modify Filter List**.
8. Enter the **hemoglobin (Hgb)** in the search box and select it. Set the **hemoglobin range** as desired. Click **Include**.
9. In the **Qualifications window**, select the **Order Synonym ID Filter** and click **Modify Filter List**.
10. Enter **REBLOZYL** in the search field and select the **REBLOZYL (luspatercept-aamt)** from the results (entering the generic name may be necessary if the brand name is not available). Click **Exclude**.
11. In the **Qualifications window**, select the **Order Synonym ID Filter** and click **Modify Filter List**.
12. Enter **epoetin alfa (Epogen, Procrit, Retacrit)** and **darbepoetin alfa (Aranesp)** in the search field and select all from the results. Click **Exclude**.
13. For the display columns, enter and select **hemoglobin (Hgb)** from the clinical results and click the right arrow or drag it to the **Columns window**. Repeat for any other desired display columns.
14. Set the general criteria for the report and enter a unique name (for example *First-line [1L] MDS patients*).
15. Click **Query > Query review** or **Run Query** in **Viewer** in the Query tab to run the query.
16. The results will display. The results may be further evaluated if desired or exported to Excel.
17. **Save** the query for future use.

ACTION: Share report results with prescribers to prompt patient evaluation for potential need for anemia symptom management. Consider the patient's transfusion data and hemoglobin levels as part of the patient evaluation (data specific to transfusions and hemoglobin may be available in lab results, a flowsheet, and past procedures).

Notes:

- The Customers (ie, physician, medical group, IDN) shall be solely responsible for implementation, testing, and monitoring of the instructions to ensure proper orientation in each Customer's EHR system.
- Capabilities, functionality, and set-up (customization) for each individual EHR system vary. BMS shall not be responsible for revising the implementation instructions it provides to any Customer in the event that Customer modifies or changes its software, or the configuration of its EHR system, after such time as the implementation instructions have been initially provided by BMS.
- While BMS tests its implementation instructions on multiple EHR systems, the instructions are not guaranteed to work for all available EHR systems, and BMS shall have no liability thereto.
- While EHRs may assist providers in identifying appropriate patients for consideration of assessment and treatment, the decision and action should ultimately be decided by a provider in consultation with the patient, after a review of the patient's records to determine eligibility, and BMS shall have no liability thereto.
- The instructions have not been designed to and are not tools and/or solutions for meeting Advancing Care Information and/or any other quality/accreditation requirement.
- BMS will make every effort to update materials provided by BMS in a timely manner, but the customer is ultimately responsible for ensuring the accuracy of the EHR system.
- Any clinical decision to prescribe REBLOZYL is based upon the best interests of the patient and is unrelated to the instructions provided by BMS.
- The instructions and materials provided by BMS are based on REBLOZYL FDA-approved indications. BMS makes no representation as to their applicability for any use outside of REBLOZYL approved indications.
- All products are trademarks of their respective holders, all rights reserved. Reference to these products is not intended to imply affiliation with or sponsorship of BMS and/or its affiliates.

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IMPORTANT SAFETY INFORMATION

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Hypertension

Hypertension was reported in 11.4% (63/554) of REBLOZYL-treated patients. Across clinical studies, the incidence of Grade 3 to 4 hypertension ranged from 2% to 9.6%. In ESA-refractory or -intolerant adult patients with MDS with normal baseline blood pressure, 26 (30%) patients developed systolic blood pressure (SBP) ≥ 130 mm Hg and 23 (16%) patients developed diastolic blood pressure (DBP) ≥ 80 mm Hg. In ESA-naïve adult patients with MDS with normal baseline blood pressure, 23 (36%) patients developed SBP ≥ 140 mm Hg and 11 (6%) patients developed DBP ≥ 80 mm Hg. Monitor blood pressure prior to each administration. Manage new or exacerbations of preexisting hypertension using anti-hypertensive agents.

Embryo-Fetal Toxicity

REBLOZYL may cause fetal harm when administered to a pregnant woman. REBLOZYL caused increased post-implantation loss, decreased litter size, and an increased incidence of skeletal variations in pregnant rat and rabbit studies. Advise pregnant women of the potential risk to a fetus. Advise females of reproductive potential to use effective contraception during treatment and for at least 3 months after the final dose.

ADVERSE REACTIONS

ESA-naïve adult patients with Myelodysplastic Syndromes

Grade ≥ 3 ($\geq 2\%$) adverse reactions included hypertension and dyspnea.

The most common ($\geq 10\%$) all-grade adverse reactions included diarrhea, fatigue, hypertension, peripheral edema, nausea, and dyspnea.

ESA-refractory or -intolerant adult patients with Myelodysplastic Syndromes

Grade ≥ 3 ($\geq 2\%$) adverse reactions included fatigue, hypertension, syncope and musculoskeletal pain. A fatal adverse reaction occurred in 5 (2.1%) patients.

The most common ($\geq 10\%$) adverse reactions included fatigue, musculoskeletal pain, dizziness, diarrhea, nausea, hypersensitivity reactions, hypertension, headache, upper respiratory tract infection, bronchitis, and urinary tract infection.

LACTATION

It is not known whether REBLOZYL is excreted into human milk or absorbed systemically after ingestion by a nursing infant. REBLOZYL was detected in milk of lactating rats. When a drug is present in animal milk, it is likely that the drug will be present in human milk. Because many drugs are excreted in human milk, and because of the unknown effects of REBLOZYL in infants, a decision should be made whether to discontinue nursing or to discontinue treatment. Because of the potential for serious adverse reactions in the breastfed child, breastfeeding is not recommended during treatment and for 3 months after the last dose.

DRUG ABUSE POTENTIAL

Abuse: Abuse of REBLOZYL may be seen in athletes for the effects on erythropoiesis. Misuse of drugs that increase erythropoiesis, such as REBLOZYL, by healthy persons may lead to polycythemia, which may be associated with life-threatening cardiovascular complications.

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