

Instructions for activating Urine Tests for acute hepatic porphyria (AHP) in the Epic® Electronic Health Record (EHR) System

Information provided in this guide is current as of May 2022.

Overview and Limitations

Urine tests for aminolevulinic acid (ALA), porphobilinogen (PBG), and porphyrins are common methods used to help inform a diagnosis of acute hepatic porphyria (AHP). Alnylam has identified the need to develop an educational user guide with step-by-step instructions for accessing and activating these urine tests in the Epic EHR system.

The instructions include information on how to:

1. Set up an order panel in the EHR that includes these 3 urine tests for diagnosing AHP (an “AHP panel”)
2. Set up a clinical decision support alert to inform end users, while searching for acute hepatic porphyria tests, that all 3 urine tests are available as an “AHP panel”

This order panel and clinical decision support information have been developed taking into account current clinical standards. Users of this educational guide have no obligation to recommend, purchase, order, prescribe, promote, administer, use, or support any Alnylam product.

These instructions are specific to AHP and the Epic EHR system and are not appropriate for other conditions, therapeutic areas, and EHR systems. The coding information provided in these guides is gathered from various resources, is general in nature, is subject to change without notice, and is not intended to provide legal advice of any kind.

The processes outlined may vary depending on the set-up of the organization’s EHR system, and not all steps or settings will apply to every organization. Any steps or settings that are not part of an organization’s standard process should be excluded or modified accordingly. Any questions about the instructions or use of the EHR system should be directed to the appropriate service provider. The organization is solely responsible for implementing, testing, monitoring, and ongoing operation of any EHR tools.

CPT Suggested codes for testing for AHP

For those patients where a healthcare provider has a clinical suspicion of AHP, there are 3 random (spot) urine tests available that may help inform a diagnosis:

| | |
|------------|----------------|
| ALA | CPT Code 82135 |
| PBG | CPT Code 84110 |
| Porphyrins | CPT Code 84120 |

These tests are not exclusive, and other tests may be useful to help inform an AHP diagnosis.

This information is provided for educational purposes only and is not intended to replace the independent medical judgment of any healthcare professional. Ultimately, clinical and operational leadership determine the contents of order panels and clinical decision alerts. Once any order panels and alerts have been created, the organization should ensure that all end users have been trained on appropriate use of the order panels and clinical decision alerts. In most instances, end users will have already been trained on this process, thereby reducing the need for additional training.

Instructions

Order Panel:

Creating a SmartGroup panels (or optimizing an existing panel) requires minimal time and may require administration rights. Alternatively, an end user can create an Order panel and save it to their preference list, without EHR team involvement.

Steps to create the SmartGroup Panel:

1. Open the **Management Console** (this may require appropriate use rights)
2. Select **SmartGroups** from the **Decision Support** menu, a new window will open
3. Check for existing SmartGroups specific to AHP. If existing AHP SmartGroups are available they may be modified. If no existing SmartGroups are available, create a new AHP SmartGroup
4. Select the **Create** tab
5. Set the **Name** to “**AHP Panel**”, **ID** (generates automatically or can be manually entered), **Contact Date** and **Record Type (SmartGroup)**. Click **Accept** once done. Then click **Enter** to open the SmartGroup editor
6. Select **General Info**
7. Set **Record Name and Display Name** to “**AHP Panel**”. Restrictions may be set at this point as well
8. Next click **Configuration** from the menu
9. Click **Add item** and set the **Item Type** (for example Ambulatory Order)
10. Search for and the labs (**ALA – CPT Code 82135, PBG – CPT Code 84110 and Porphyrins – CPT Code 84120**). Click **Accept** once completed
11. **Release** the new AHP Panel SmartGroup in the General Info form once satisfactory testing has been completed

Steps to create the Order Panel:

1. Open the **Preference List Composer**
2. Click the button with **+ New Linked Panel**
3. Search for and the labs (**ALA – CPT Code 82135, PBG – CPT Code 84110 and Porphyrins – CPT Code 84120**)
4. Click **Accept** once completed to set up the Order Panel
5. Note: a **User Order Panel** can be created by selecting the labs (**ALA – CPT Code 82135, PBG – CPT Code 84110 and Porphyrins – CPT Code 84120**) in the Order Composer and clicking **Create Panel** in the Options menu

Clinical Decision Alert

A Best Practice Advisory (BPA) may be created or customized to align with the health system's clinical preferences and workflow. A BPA creates a reminder for clinical staff and displays suggested follow-up recommendations to the end user.

Creating a Clinical Decision Alert requires administrator privileges in the EHR. The following instructions detail the steps to create the Clinical Decision Alert in the EHR.

Step 1 – Create the BPA Criteria Record

1. From the **Management Console**, select **Decision Support** and then **BestPractice Advisory**
2. Create a new record and set it to **Criteria** in the **Record Type** field
3. In the **General Info** form, select a unique name (for example, “**C AHP Panel**”)
4. Select **Surgical History and Procedures** from the Criteria menu
5. In the **Include Procedure** field, enter 3 rows with:
 - a. **ALA** **CPT Code 82135**
 - b. **PBG** **CPT Code 84110**
 - c. **Porphyryns** **CPT Code 84120**
6. Click **Accept** when completed
7. **Release** the record in the **General Info** form

Step 2 – Create the BPA Base Record

1. From the **Management Console**, select **Decision Support** and then **BestPractice Advisory**
2. Create a new record and set it to **Base** in the **Record Type** field
3. In the **General Info** form, select a unique name (for example, “**B AHP Panel**”). The **Display Name** further clarifies the objective of the BPA. “**Consider ordering porphobilinogen (PBG), aminolevulinic acid (ALA) and porphyryns for acute hepatic porphyria**”
4. Select **Linked Criteria** from the menu and then select the previously created base record (**C AHP Panel**)
5. Select **Follow-Up Orders** from the menu. Then select the previously created **AHP Panel SmartGroup** or **AHP Panel Order Panel** created in the **Order Panel** instructions
6. **Release** the record in the **General Info** form

Terms and Conditions

By creating an Order Set and/or clinical decision alert as described above, the Customer agrees to the following:

- The Customer (e.g., the medical group, IDN, Organized Customer Group, and/or Health System) voluntarily and independently agreed to add the order set and/or clinical decision alert into its EHR platform.
- The Customer shall be solely responsible for implementation, testing, and monitoring of the instructions to ensure proper orientation in each Customer's EHR system. The Customer will make every effort to update the Order Set as appropriate (e.g. in accordance with any changes to applicable clinical guidelines) and in a timely manner.
- Capabilities, functionality, and setup (customization) for each individual EHR system vary. Alnylam shall not be responsible for revising the implementation instructions it provides to any Customer, in the event that the Customer modifies or changes its software, or the configuration of its EHR system, or the EHR platform is modified, after such time as the implementation instructions have been initially provided by Alnylam.
- While Alnylam tests its implementation instructions on multiple EHR systems, the instructions are not guaranteed to work for all available EHR systems, and Alnylam shall have no liability with respect to integration and function.
- While EHRs may assist providers in identifying appropriate patients for consideration of assessment and treatment, the decision and action to test and treat a patient should ultimately be decided by a provider in consultation with the patient, after a review of the patient's records to determine eligibility, and Alnylam shall have no liability in that regard.
- Coverage and reimbursement may vary by payer, plan, patient, and setting of care. It is the sole responsibility of the health care provider to select the proper codes, and ensure the accuracy of all statements used in seeking coverage and reimbursement. Providers should contact third-party payers for specific information on their coding, coverage, and payment policies. Alnylam does not guarantee payment or coverage for any product or service.
- The instructions have not been designed to and are not tools and/or solutions for meeting Meaningful Use, Advancing Care Information, MACRA/MIPS Quality Measures, and/or any other quality/ accreditation requirement.
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