

# **Endari™ Prior Authorization Program Summary**

This prior authorization applies to Commercial, NetResults A series, SourceRx and Health Insurance Marketplace formularies.

#### **OBJECTIVE**

The intent of the Endari Prior Authorization is to encourage appropriate selection of patients for treatment and dosing according to product labeling, and/or clinical studies, and/or guidelines. The program will not allow approval for patients who have an FDA labeled contraindication to the requested agent. Requests will be reviewed when patient specific documentation is provided.

# **TARGET AGENT**

**Endari**™ (L-glutamine)

**Prior Authorization Target** 

Agent	GPI	MultiSource Code
Endari (L-glutamine)	82801020003020	M, N, O, Y
5 g packet		

# PRIOR AUTHORIZATION CRITERIA FOR APPROVAL

#### **Initial Evaluation**

**Endari** will be approved when ALL of the following are met:

1. The patient has a diagnosis of sickle cell disease

#### AND

2. The patient is using the requested agent to reduce the acute complications of sickle cell disease

#### AND

3. The patient is 5 years of age or greater

#### AND

- 4. ONE of the following
  - a. The patient has tried and received inadequate response to therapy with hydroxyurea therapy

# OR

b. The patient has a documented intolerance, FDA labeled contraindication, or hypersensitivity to hydroxyurea

#### AND

5. The patient does NOT have any FDA labeled contraindication(s) to the requested agent

# AND

- 6. ONE of the following:
  - a. The requested dose is within the FDA labeled dose
  - b. The prescriber has submitted documentation in support of therapy with a higher dose for the intended diagnosis (must be reviewed by the Clinical Review pharmacist)

Length of Initial Approval: 12 months

# **Renewal Evaluation**

1. The patient has been previously approved through the Prime Therapeutics prior authorization process for the requested agent

AND

- 2. The prescriber has indicated that the patient has seen a reduction in acute complications of sickle cell disease since initiating therapy with Endari
- 3. The patient does NOT have any FDA labeled contraindication(s) to the requested agent

AND

- 4. ONE of the following:
  - a. The requested dose is within the FDA labeled dose  $\mathbf{OR}$
  - b. The prescriber has submitted documentation in support of therapy with a higher dose for the intended diagnosis (must be reviewed by the Clinical Review pharmacist)

# Length of Renewal Approval: 12 months

This pharmacy policy is not an authorization, certification, explanation of benefits or a contract. Eligibility and benefits are determined on a case-by-case basis according to the terms of the member's plan in effect as of the date services are rendered. All pharmacy policies are based on (i) information in FDA approved package inserts (and black box warning, alerts, or other information disseminated by the FDA as applicable); (ii) research of current medical and pharmacy literature; and/or (iii) review of common medical practices in the treatment and diagnosis of disease as of the date hereof. Physicians and other providers are solely responsible for all aspects of medical care and treatment, including the type, quality, and levels of care and treatment.

The purpose of Blue Cross and Blue Shield of Alabama's pharmacy policies are to provide a guide to coverage. Pharmacy policies are not intended to dictate to physicians how to practice medicine. Physicians should exercise their medical judgment in providing the care they feel is most appropriate for their patients.

Neither this policy, nor the successful adjudication of a pharmacy claim, is guarantee of payment.

# FDA APPROVED INDICATIONS AND DOSAGE<sup>1</sup>

Agent	Indication	Dosage & Administration					
Agent Endari™ (L- glutamine)	Endari™ To reduce the acute	Weight in Pounds Less than 66 66-143 Greater	Per dose in grams 5	Per day in grams 10 20 30	Packets per dose 1	Packets per day 2 4	
		than 143	15	30	3	6	

#### **CLINICAL RATIONALE**

#### Guidelines

Hydroxyurea is a mainstay in the management of sickle cell disease. It reduces the incidence of acute painful episodes and hospitalization rates, and prolongs survival.<sup>2,3</sup>

# Efficacy<sup>1</sup>

The efficacy of L-glutamine was evaluated in a randomized, double-blind, placebo controlled, multi-center clinical trial with 230 patients. Efficacy was demonstrated by a reduction in the number of sickle cell crises through Week 48 and prior to the start of tapering among patients that received L-glutamine compared to patients who received placebo. The recurrent crisis event time analysis yielded an intensity rate ratio (IRR) value of 0.75 with 95% CI= (0.62, 0.90) and (0.55, 1.01) based on unstratified models using the Andersen-Gill and Lin, Wei, Yang and Ying methods, respectively in favor of L-glutamine, suggesting that over the entire 48- week period, the average cumulative crisis count was reduced by 25% from the L-glutamine group over the placebo group.

# Safety<sup>1</sup>

L-glutamine carries no black box warnings or contraindications.

# **REFERENCES**

- 1. Endari prescribing information. Emmaus Medical, Inc. July 2017.
- 2. Overview of the management and prognosis of sickle cell disease. UpToDate. Literature review current through 10/2017. Last updated 10/23/2017. Accessed 11/30/2017
- 3. Evidence-based management of sickle cell disease; expert panel report 2014.

  National Heart, Lung, Blood Institute. Available at https://www.nhlbi.nih.gov/health-pro/guidelines/sickle-cell-disease-guidelines

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