PRIOR AUTHORIZATION POLICY

POLICY: Sickle Cell Disease – L-glutamine Prior Authorization Policy

• Endari[™] (L-glutamine oral powder – Emmaus Medical, generic)

REVIEW DATE: 01/03/2024: selected revision 08/28/2024

OVERVIEW

L-glutamine oral powder, an amino acid, is indicated to **reduce the acute complications of sickle cell** disease in patients ≥ 5 years of age.¹

L-glutamine is an essential amino acid and serves as a precursor of nucleic acids and nucleotides including the pyridine nucleotides (nicotinamide adenine dinucleotide and reduced nicotinamide adenine dinucleotide). These pyridine nucleotides play key roles in the regulation and prevention of oxidative damage in red blood cells and studies have shown that oxidative phenomena may play a significant role in the pathophysiology of sickle cell disease.

POLICY STATEMENT

Prior Authorization is recommended for prescription benefit coverage of L-glutamine oral powder. All approvals are provided for the duration noted below. Because of the specialized skills required for evaluation and diagnosis of patients treated with L-glutamine oral powder as well as the monitoring required for adverse events and long-term efficacy, approval requires L-glutamine oral powder to be prescribed by or in consultation with a physician who specializes in the condition being treated.

<u>Documentation</u>: Documentation is required for use of L-glutamine oral powder as noted in the criteria as **[documentation required]**. Documentation may include, but is not limited to, chart notes, prescription claims records, prescription receipts, and/or other information.

Automation: None.

RECOMMENDED AUTHORIZATION CRITERIA

Coverage of L-glutamine oral powder is recommended in those who meet the following criteria:

FDA-Approved Indication

- 1. Sickle Cell Disease [documentation required]. Approve for 1 year if the patient meets BOTH of the following (A and B):
 - A) Patient is ≥ 5 years of age; AND
 - **B**) The medication is prescribed by or in consultation with a physician who specializes in sickle cell disease (e.g., a hematologist).

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CONDITIONS NOT RECOMMENDED FOR APPROVAL

Coverage of L-glutamine oral powder is not recommended in the following situations:

1. Coverage is not recommended for circumstances not listed in the Recommended Authorization Criteria. Criteria will be updated as new published data are available.

REFERENCES

- 1. Endari[™] oral powder [prescribing information]. Torrance CA: Emmaus Medical; October 2020.
- 2. Brandow AM, Carroll CP, Creary S, et al. American Society of Hematology 2020 guidelines for sickle cell disease: management of acute and chronic pain. *Blood Adv.* 2020;4:2656-2701.