# SPECIALTY GUIDELINE MANAGEMENT

## Subcutaneous Immune Globulin (SCIG): Hizentra<sup>®</sup>, HyQvia<sup>®</sup> and Cuvitru™

## POLICY

## I. INDICATIONS

The indications below including FDA-approved indications and compendial uses are considered a covered benefit provided that all the approval criteria are met and the member has no exclusions to the prescribed therapy.

**FDA-Approved Indications** 

A. Cuvitru (Immune Globulin Subcutaneous [Human], 20% Solution)

Cuvitru is indicated as replacement therapy for primary humoral immunodeficiency (PI) in adult and pediatric patients two years of age and older.

#### B. Hizentra (Immune Globulin Subcutaneous [Human], 20% Liquid)

- 1. Hizentra is indicated for the treatment of primary immunodeficiency in adults and pediatric patients 2 years of age and older.
- 2. Hizentra is indicated for the treatment of adult patients with chronic inflammatory demyelinating polyneuropathy (CIDP) as maintenance therapy to prevent relapse of neuromuscular disability and impairment.

#### Limitations of Use:

Hizentra maintenance therapy in CIDP has been systematically studied for 6 months and for a further 12 months in a follow-up study. Maintenance therapy beyond these periods should be individualized based upon the patient's response and need for continued therapy.

## C. HyQvia (Immune Globulin Infusion 10% [Human] with Recombinant Human Hyaluronidase)

HyQvia is indicated for the treatment of primary immunodeficiency in adults.

Limitation of use: Safety and efficacy of chronic use of recombinant human hyaluronidase in HyQvia have not been established in conditions other than primary immunodeficiency.

All other indications are considered experimental/investigational and are not a covered benefit.

## II. REQUIRED DOCUMENTATION

The following information is necessary to initiate the prior authorization review (for primary immunodeficiency only):

- A. Diagnostic test results (when applicable)
  - 1. Copy of laboratory report with serum immunoglobulin levels: IgG, IgA, IgM, and IgG subclasses
  - 2. Vaccine response to pneumococcal polysaccharide vaccine (post-vaccination Streptococcus pneumoniae antibody titers)

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- 3. Copy of laboratory report with lymphocyte subset enumeration by flow cytometry
- 4. Pertinent genetic or molecular testing in members with a known genetic disorder
- B. IgG trough level for those continuing with SCIG therapy

## **III. CRITERIA FOR INITIAL APPROVAL**

#### A. Primary Immunodeficiency

Initial authorization of 12 months may be granted for members with any of the following diagnoses:

- 1. Severe combined immunodeficiency (SCID) or congenital agammaglobulinemia (eg, X-linked or autosomal recessive agammaglobulinemia):
  - a. Diagnosis confirmed by genetic or molecular testing, or
  - b. Pretreatment IgG level < 200 mg/dL, or
  - c. Absence or very low number of T cells (CD3 T cells < 300/microliter) or the presence of maternal T cells in the circulation (SCID only)
- 2. Wiskott-Aldrich syndrome, DiGeorge syndrome, or ataxia-telangiectasia (or other non-SCID combined immunodeficiency):
  - a. Diagnosis confirmed by genetic or molecular testing (if applicable), and
  - b. History of recurrent bacterial infections (eg, pneumonia, otitis media, sinusitis, sepsis, gastrointestinal), and
  - c. Impaired antibody response to pneumococcal polysaccharide vaccine (see Appendix)
- 3. Common variable immunodeficiency (CVID):
  - a. Age 4 years or older
  - b. Other causes of immune deficiency have been excluded (eg, drug induced, genetic disorders, infectious diseases such as HIV, malignancy)
  - c. Pretreatment IgG level < 500 mg/dL or ≥ 2 SD below the mean for age
  - d. History of recurrent bacterial infections
  - e. Impaired antibody response to pneumococcal polysaccharide vaccine (see Appendix)
- 4. Hypogammaglobulinemia (unspecified), IgG subclass deficiency, selective IgA deficiency, selective IgM deficiency, or specific antibody deficiency:
  - a. History of recurrent bacterial infections
  - b. Impaired antibody response to pneumococcal polysaccharide vaccine (see Appendix)
  - c. Any of the following pre-treatment laboratory findings:
    - i. Hypogammaglobulinemia: IgG < 500 mg/dL or ≥ 2 SD below the mean for age
    - ii. Selective IgA deficiency: IgA level < 7 mg/dL with normal IgG and IgM levels
    - iii. Selective IgM deficiency: IgM level < 30 mg/dL with normal IgG and IgA levels
    - iv. IgG subclass deficiency: IgG1, IgG2, or IgG3 ≥ 2 SD below mean for age assessed on at least 2 occasions; normal IgG (total) and IgM levels, normal/low IgA levels
    - v. Specific antibody deficiency: normal IgG, IgA and IgM levels
- 5. Other predominant antibody deficiency disorders must meet a., b., and c.i. in section 4. above.
- 6. Other combined immunodeficiency must meet criteria in section 2. above.

## B. Chronic Inflammatory Demyelinating Polyneuropathy (CIDP) (Hizentra only)

Initial authorization of 3 months may be granted for the maintenance treatment of CIDP in members currently receiving intravenous immune globulin (IVIG) therapy.

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#### IV. CONTINUATION OF THERAPY

The following criteria apply to members who are currently receiving SCIG therapy through a paid pharmacy or medical benefit. All other members (including new members) must meet initial authorization criteria.

#### A. Primary Immunodeficiency

Authorization of 24 months may be granted when the following criteria are met:

- 1. A reduction in the frequency of bacterial infections has been demonstrated since initiation of SCIG therapy, AND
- 2. IgG trough levels are monitored at least yearly and maintained at or above the lower range of normal for age (when applicable for indication), OR
- 3. The prescriber will re-evaluate the dose of SCIG and consider a dose adjustment (when appropriate).

#### B. Chronic Inflammatory Demyelinating Polyneuropathy (CIDP) (Hizentra only)

Authorization of 24 months may be granted when the following criteria are met:

- 1. Maintenance of response from previous IVIG therapy
- 2. SCIG is being used at the lowest effective dose

#### V. APPENDIX

Impaired Antibody Response to Pneumococcal Polysaccharide Vaccine:

- Age 2 years and older: impaired antibody response demonstrated to vaccination with a pneumococcal polysaccharide vaccine
- Not established for children less than 2 years of age
- Excludes the therapy initiated in the hospital setting

#### **VI. REFERENCES**

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