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Effective Date: 10/06/2022

Cinqair® (reslizumab)

HCPCS: J2786

Policy:

Requests must be supported by submission of chart notes and patient specific documentation.

- A. Coverage of the requested drug is provided when all the following are met:
 - a. FDA approved age
 - b. FDA approved indication
 - c. Patient is currently receiving, and will continue to receive standard of care regimen
 - d. Severe eosinophilic asthma identified by:
 - i. Blood eosinophils greater than or equal to 150 cells/microliter at initiation of treatment
 - e. Chronic administration of systemic corticosteroids or high dose inhaled corticosteroids (listed in table 1) in combination with
 - i. Long acting inhaled β 2 agonist modifier for at least 3 months fails to maintain adequate control
OR
 - ii. leukotriene modifier for at least 3 months fails to maintain adequate control
OR
 - iii. LAMA (long acting muscarinic antagonists) in adults and children \geq 12 years old for at least 3 months fails to maintain adequate control
 - f. Cannot be used in combination with other biologics for asthma
 - g. Trial and failure, contraindication, OR intolerance to the preferred products as listed in Wellmark Advantage Health Plan's utilization management medical drug list

- B. Quantity Limitations, Authorization Period and Renewal Criteria
 - a. Quantity Limits: Align with FDA recommended dosing
 - b. Authorization Period: One year at a time.
 - c. Renewal Criteria: Clinical documentation must be provided to confirm that current criteria are met and that the medication is providing clinical benefit

***Note: Coverage may differ for Medicare Part B members based on any applicable criteria outlined in Local Coverage Determinations (LCD) or National Coverage Determinations (NCD) as determined by Center for Medicare and Medicaid Services (CMS). See the CMS website at <http://www.cms.hhs.gov/>. Determination of coverage of Part B drugs is based on medically accepted indications which have supported citations included or approved for inclusion determined by CMS approved compendia.

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Background Information

- Cinqair is an interleukin-5 (IL5) antagonist monoclonal antibody (IgG4, kappa) indicated for add-on maintenance treatment of patients with severe asthma aged 12 years and older, and with an eosinophilic phenotype.
- Eosinophilic asthma is a sub phenotype of severe asthma characterized by elevated sputum and blood eosinophil levels as well as increased asthma severity, atopy, late-onset disease, and steroid refractoriness.
- Severe asthma requires treatment with high dose inhaled corticosteroids (ICS) plus a second controller (and/or systemic corticosteroids) to prevent it from becoming uncontrolled or which remains uncontrolled despite therapy. Add-on treatment for severe asthma includes LAMA, leukotriene receptor antagonist (LTRA), low dose azithromycin (adults) and biologic agents for severe allergic or severe type 2 asthma. Type 2 inflammation is found in majority of the of people with severe asthma and characterized by production of cytokines such as interleukin. Anti-IL5 monoclonal antibodies (Cinqair, Nucala®, and Fasenra™) specifically target the formation of eosinophils and depletes blood eosinophil levels.
- The Global Initiative for Asthma (GINA) 2021 guidelines stepwise approach recommend those in STEP 5 to add-on therapy with LAMAs such as tiotropium, anti-IgE therapy (omalizumab), anti-IL5 therapy, or anti-IL4 therapy after phenotypic assessment of asthma subtype.
- A peripheral blood eosinophil count is an indirect way to estimate airway inflammation. A blood eosinophil count \geq 300 cells/microliter may help to predict asthmatics who are at increased risk for exacerbations in the next year. Furthermore, a count-response relation exists between blood eosinophil counts and asthma-related outcomes. The European Respiratory Society/American Thoracic Society guidelines from 2020 suggest that treatment of severe asthma be guided by clinical criteria and biomarkers such as blood eosinophil levels or fractional exhaled nitric oxide (FeNO), rather than by clinical criteria alone. In addition, it also suggests that a blood eosinophil count cut-off point of \geq 150 cells/microliter can be used to guide anti-IL5 initiation in adult patients with severe asthma and a history of prior asthma exacerbations.
- Efficacy of Cinqair was evaluated versus placebo in four randomized, double-blind placebo-controlled trials of up to 52 weeks in a total of 981 patients.
 - In Studies I and II, the primary endpoint was the frequency of clinically significant exacerbations of asthma. Patients receiving Cinqair 3 mg/kg once every 4 weeks experienced significantly fewer exacerbations in comparison to patients receiving placebo.
 - Exacerbations requiring the use of a systemic corticosteroid as well as exacerbations resulting in hospitalization or an emergency room visit were each reduced with Cinqair 3 mg/kg.
 - In Studies III and IV, the primary endpoint was forced expiratory volume in one second (FEV1). Patients receiving Cinqair showed a significant improvement in lung function through changes in FEV1.
- Review response to biologic therapy after 3-4 months of treatment. If the patient had a good response, the need for each medication should re-evaluated, but do not completely stop inhaled therapy. Consider gradually decreasing or stopping oral steroids first.

References:

1. Cinqair [package insert]. Frazer, PA: Teva Pharmaceutical Industries Ltd; February 2020.
2. Bleecker ER, Fitzgerald JM, Chanez P, et al. Efficacy and safety of Fasenra for patients with severe asthma uncontrolled with high-dosage inhaled corticosteroids and long-acting β 2-agonists (SIROCCO): a randomized, multicenter, placebo-controlled phase 3 trial. *Lancet*. 2016;388:2115-2127.
3. FitzGerald JM, Bleecker ER, Nair P, et al. Benralizumab, an anti-interleukin-5 receptor α monoclonal antibody, as add-on treatment for patients with severe, uncontrolled, eosinophilic asthma (CALIMA): a randomized, double-blind, placebo-controlled phase 3 trial. *Lancet*. 2016;388:2128-2141.
4. Global Initiative for Asthma. Global strategy for asthma management and prevention. Updated 2021. Available at: www.ginasthma.org
5. Holguin F, Cardet JC, Chung KF, et al. Management of severe asthma: a European Respiratory Society/American Thoracic Society guideline. *Eur Respir J* 2020; 55.

Table 1: Comparative cumulative daily dosing of inhaled corticosteroids (mcg/day)

Inhaled Corticosteroid	Ages 12 and Up			Ages 6-11		
	Low Dose	Medium Dose	High Dose	Low Dose	Medium Dose	High Dose
Beclometasone dipropionate HFA	100 – 200	>200 – 400	>400	50 – 100	>100 – 200	>200
Budesonide DPI	200 – 400	>400 – 800	>800	100 – 200	>200 – 400	>400
Budesonide nebulules	NA	NA	NA	250 – 500	>500 – 1,000	>1,000
Ciclesonide HFA	80 – 160	>160 – 320	>320	80	>80 – 160	>160
Fluticasone furoate DPI	100	NA	200	NA	NA	NA
Fluticasone propionate DPI	100 – 250	>250 – 500	>500	100 – 200	>200 – 400	>400
Fluticasone propionate HFA	100 – 250	>250 – 500	>500	100 – 200	>200 – 500	>500
Mometasone furoate	110 – 220	>220 – 440	>440	110	\geq 220 - <440	\geq 440
Triamcinolone acetonide	400 – 1,000	>1,000 – 2,000	>2,000	400 – 800	>800 – 1,200	>1,200

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Policy History		
#	Date	Change Description
1.1	Effective Date: 10/06/2022	Annual review of criteria was performed, no changes were made
1.0	Effective Date: 01/01/2022	New policy

* *The prescribing information for a drug is subject to change. To ensure you are reading the most current information it is advised that you reference the most updated prescribing information by visiting the drug or manufacturer website or <http://dailymed.nlm.nih.gov/dailymed/index.cfm>.*

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