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Section:	Prescription Drugs	**Effective Date:**	April 1, 2021
Subsection:	Respiratory Agents	**Original Policy Date:**	November 27, 2020
Subject:	Xhance	**Page:**	1 of 4

Last Review Date: March 12, 2021

Xhance

Description

Xhance (fluticasone propionate) nasal spray

Background

Xhance (fluticasone propionate) is a synthetic trifluorinated corticosteroid with anti-inflammatory activity. The precise mechanism through which Xhance affects nasal polyps and associated inflammatory symptoms is not known. Corticosteroids have been shown to have a wide range of effects on multiple cell types (e.g., mast cells, eosinophils, neutrophils, macrophages, lymphocytes) and mediators (e.g., histamine, eicosanoids, leukotrienes, cytokines) involved in inflammation. The anti-inflammatory action of corticosteroids contributes to their efficacy (1).

Regulatory Status

FDA-approved indication: Xhance is a corticosteroid indicated for the treatment of nasal polyps in patients 18 years of age or older (1).

Xhance has a warning regarding local nasal effects, such as epistaxis, erosion, ulceration, septal perforation, *Candida albicans* infection, and impaired wound healing. Patients should be monitored periodically for signs of adverse effects on the nasal mucosa. Use should be avoided in patients with recent nasal ulcerations, nasal surgery, or nasal trauma (1).

Nasal and inhaled corticosteroids may result in the development of glaucoma and/or cataracts. Close monitoring is warranted in patients with a change in vision or with a history of increased intraocular pressure, glaucoma, and/or cataracts (1).

Hypercorticism and adrenal suppression may occur when intranasal corticosteroids, such as Xhance, are used at higher than recommended dosages or in susceptible individuals at recommended dosages. Since fluticasone propionate is absorbed into the circulation and can be systemically active at higher doses, recommended dosages of Xhance should not be exceeded to avoid hypothalamic-pituitary-adrenal (HPA) dysfunction. Patients treated with Xhance should be observed carefully for any evidence of systemic corticosteroid effects such as hypercorticism and adrenal suppression (including adrenal crisis) (1).

Decreases in bone mineral density (BMD) have been observed with long-term oral inhalation of products containing corticosteroids into the lungs. Patients with major risk factors for decreased bone mineral content, such as prolonged immobilization, family history of osteoporosis, postmenopausal status, tobacco use, advanced age, poor nutrition, or chronic use of drugs that can reduce bone mass (e.g. anticonvulsants, oral corticosteroids), should be monitored and treated with established standards of care (1).

The safety and effectiveness of Xhance in pediatric patients have not been established (1).

Related policies
Sinus Implants

Policy

This policy statement applies to clinical review performed for pre-service (Prior Approval, Precertification, Advanced Benefit Determination, etc.) and/or post-service claims.

Xhance may be considered **medically necessary** in patients age 18 years of age and older for nasal polyps and if the conditions indicated below are met.

Xhance is considered **investigational** in patients less than 18 years of age and for all other indications.

Prior-Approval Requirements

Age 18 years of age and older

Diagnosis

Patient must have the following:

Nasal polyps

AND ALL of the following:

1. Inadequate response to a 3-month trial of a nasal corticosteroid spray (i.e. mometasone, fluticasone, budesonide, or triamcinolone)
2. **NO** recent nasal ulcerations, nasal surgery, or nasal trauma
3. Patient will be monitored for changes in vision and for increased intraocular pressure
4. Prescriber agrees to monitor for systemic corticosteroid effects such as hypercorticism and adrenal suppression (including adrenal crisis)

Prior – Approval *Renewal* Requirements

Age 18 years of age and older

Diagnosis

Patient must have the following:

Nasal polyps

AND ALL of the following:

1. **NO** recent nasal ulcerations, nasal surgery, or nasal trauma
2. Patient will be monitored for changes in vision and for increased intraocular pressure
3. Prescriber agrees to monitor for systemic corticosteroid effects such as hypercorticism and adrenal suppression (including adrenal crisis)

Policy Guidelines

Pre - PA Allowance

None

Prior - Approval Limits

Quantity 6 bottles per 90 days

Duration 12 months

Prior – Approval *Renewal* Limits

Same as above

Rationale

Summary

Xhance (fluticasone propionate) is a synthetic trifluorinated corticosteroid with anti-inflammatory activity. The precise mechanism through which Xhance affects nasal polyps and associated inflammatory symptoms is not known. Corticosteroids have been shown to have a wide range of effects on multiple cell types (e.g., mast cells, eosinophils, neutrophils, macrophages, lymphocytes) and mediators (e.g., histamine, eicosanoids, leukotrienes, cytokines) involved in inflammation. The anti-inflammatory action of corticosteroids contributes to their efficacy (1).

Prior authorization is required to ensure the safe, clinically appropriate and cost-effective use of Xhance while maintaining optimal therapeutic outcomes.

References

1. Xhance [package insert]. Yardley, PA: OptiNose US, Inc.; September 2017.

Policy History

Date	Action
November 2020	Addition to PA
March 2021	Annual review

Keywords

This policy was approved by the FEP® Pharmacy and Medical Policy Committee on March 12, 2021 and is effective on April 1, 2021.