

# SmartPA Criteria Proposal

<b>Drug/Drug Class:</b>	Vesicular Monoamine Transporter 2 (VMAT2) Inhibitors PDL Edit
<b>First Implementation Date:</b>	April 1, 2021
<b>Revised Date:</b>	May 13, 2021
<b>Prepared For:</b>	MO HealthNet
<b>Prepared By:</b>	MO HealthNet/Conduent
<b>Criteria Status:</b>	<input type="checkbox"/> Existing Criteria <input checked="" type="checkbox"/> Revision of Existing Criteria <input type="checkbox"/> New Criteria

## Executive Summary

**Purpose:** The MO HealthNet Pharmacy Program will implement a state-specific preferred drug list.

**Why Issue Selected:** Huntington’s Disease (HD) is an inherited autosomal dominant progressive neurodegenerative disorder characterized by psychiatric and behavioral symptoms, involuntary movements (chorea), and progressive dementia. The estimated prevalence of HD in Europe and North America is 5-8 per 100,000 persons. Symptomatic improvement of chorea in HD is evaluated using the Total Maximal Chorea Score in the United Huntington’s Disease Rating Scale (UHDRS).

Tardive Dyskinesia (TD) is a neurological disorder characterized by repetitive involuntary movements; it is usually linked with use of dopamine receptor blockers such as antipsychotics or metoclopramide. Symptomatic improvement in TD is often evaluated using the Abnormal Involuntary Movement Scale (AIMS). AIMS assesses the severity of involuntary movements across body regions ranging from 0 (no dyskinesia) to 28 (maximal amplitude dyskinesia), with a decrease in score indicating improvement. The two main strategies for prevention of TD are discontinuation of the offending drug and switching from first to second generation antipsychotic drugs. If drug treatment with antipsychotics is required, patients should use the lowest effective dose and consider decrease or discontinuation within 6-12 months of therapy.

Vesicular Monoamine Transporter 2 (VMAT2) Inhibitors block a brain protein (VMAT2) which controls the storage of dopamine and other neurotransmitters for release in the nerve synapse; by blocking VMAT2 the number of neurotransmitters available for release is decreased. Xenazine® (tetrabenazine) was the first VMAT2 inhibitor approved in the US in 2008 for the treatment of chorea associated with HD; it has also been used off label for TD. In 2017, the FDA approved two new VMAT2 inhibitors, Austedo® (deutetrabenazine) and Ingrezza® (valbenazine). In Austedo, the replacement of hydrogen with deuterium at sites of primary metabolism gave a slower metabolic clearance compared to Xenazine, thus allowing less frequent dosing. Austedo is FDA approved for the treatment of chorea associated with HD and the treatment of TD. Ingrezza is FDA approved for the treatment of TD only.

Total program savings for the PDL classes will be regularly reviewed.



Drug Description	Generic Equivalent	Max Dosing Limitation
AUSTEDO	DEUTETRABENAZINE	4 tablets per day
INGREZZA	VALBENAZINE	1 capsule per day
XENAZINE	TETRABENAZINE	12.5 mg tablets: 4 tablets per day 25 mg tablets: 2 tablets per day

## Required Documentation

Laboratory Results:   
MedWatch Form:

Progress Notes:   
Other:

## Disposition of Edit

Denial: Exception Code "0160" (Preferred Drug List)  
Rule Type: PDL

## Default Approval Period

1 year

## References

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3. Ingrezza® [package insert]. San Diego, CA: Neurocrine Biosciences, Inc.; 4/2020.
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13. Evidence-Based Medicine and Fiscal Analysis: "Vesicular Monoamine Transporter 2 (VMAT2) Inhibitors – Therapeutic Class Review", Conduent Business Services, L.L.C., Richmond, VA; October 2020.
14. Evidence-Based Medicine Analysis: "Vesicular Monoamine Transporter 2 (VMAT2) Inhibitors", UMKC-DIC; October 2020.

### SmartPA PDL Proposal Form

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