

5.90.027

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<b>Subsection:</b>	Topical Products	<b>Original Policy Date:</b>	February 17, 2017
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**Last Review Date:** March 8, 2024

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## Doxepin Cream 5%

### Description

#### Doxepin Cream 5% (Prudoxin, Zonalon)

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#### Background

Doxepin cream is a topical medication used for the short-term treatment of pruritus (itching of the skin) due to atopic dermatitis (eczema) or lichen simplex chronicus (thickening of skin due to prolonged itching and scratching). Although doxepin does have H1 and H2 histamine receptor blocking actions, the exact mechanism by which doxepin exerts its antipruritic effect is unknown. Possible adverse reactions include, but are not limited to: drowsiness, urinary retention, increased pruritus, and contact sensitization (1-2).

#### Regulatory Status

FDA-approved indications: Doxepin cream 5% is indicated for the short-term (up to 8 days) management of moderate pruritus in adult patients with atopic dermatitis or lichen simplex chronicus (1-2).

Doxepin has an anticholinergic effect and significant plasma levels of doxepin are detectable after topical doxepin cream application, the use of doxepin cream is contraindicated in patients with untreated narrow angle glaucoma or a tendency to urinary retention (1-2).

A thin film of doxepin cream should be applied four times each day with at least a 3 to 4 hour interval between applications. There are no data to establish the safety and effectiveness of doxepin cream when used for greater than 8 days. Chronic use beyond eight days may result in higher systemic levels and should be avoided (1-2).

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Doxepin cream 5% criteria was created with dosing above FDA recommended limits in order to help existing patients that have been taking doses above the FDA recommended limits to safely taper down their doses to the appropriate levels. This will allow physicians time to work with their patients in creating a custom taper that is safe and provides adequate relief from pruritus.

The safety and effectiveness of doxepin cream 5% in pediatric patients under 18 years of age has not been established (1).

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### Related policies

Dupixent, Eucrisa, Fluticasone powder, Mometasone powder, Topical Anti-inflammatories

### Policy

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

Doxepin cream 5% may be considered **medically necessary** if the conditions indicated below are met.

Doxepin cream 5% may be considered **investigational** for all other indications.

## Prior-Approval Requirements

**Age** 18 years of age or older

### Diagnosis

Patient must have the following:

Moderate pruritus, due to atopic dermatitis (eczema) or lichen simplex chronicus

**AND ALL** of the following:

1. Inadequate response, intolerance, or contraindication to **ONE** medication in **EACH** of the following categories:
  - a. Topical calcineurin inhibitor (see Appendix I)
  - b. Topical corticosteroid (see Appendix II)

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2. Physician agrees to taper patient's dose to the FDA recommended dose, and after tapered will only use for short-term pruritus relief (up to 8 days)
  - a. Patients using over 60 grams of topical doxepin in 90 days be required to taper to 60 grams topical doxepin within 90 days

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## Prior – Approval *Renewal* Requirements

None

### Policy Guidelines

#### Pre - PA Allowance

**Age** 18 years of age or older

**Quantity** 60 grams every 90 days

#### Prior - Approval Limits

**Quantity** 180 grams for 90 days

**Duration** 3 months

### Rationale

#### Summary

Doxepin cream is a topical medication used for the short-term treatment of pruritus (itching of the skin) due to atopic dermatitis (eczema) or lichen simplex chronicus (thickening of skin due to prolonged itching and scratching). Although doxepin does have H1 and H2 histamine receptor blocking actions, the exact mechanism by which doxepin exerts its antipruritic effect is unknown. There are no data to establish the safety and effectiveness of doxepin cream when used for greater than 8 days. Chronic use beyond eight days may result in higher systemic levels and should be avoided (1-2).

Prior authorization is required to ensure the safe, clinically appropriate, and cost-effective use of doxepin cream 5% while maintaining optimal therapeutic outcomes.

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## References

1. Zonalon Cream [package insert]. San Antonio, TX: DPT Laboratories Ltd.; June 2017.
2. Prudoxin Cream [package insert]. San Antonio, TX: DPT Laboratories Ltd. June 2017.

## Policy History

Date	Action
February 2017	Addition to PA
June 2017	Annual review
August 2017	Addition of inadequate response, intolerance or contraindication to ONE medication in EACH of the following categories: topical antihistamine (see Appendix I) and high potency topical corticosteroid (see Appendix II)
September 2017	Annual review
December 2018	Annual review
September 2019	Annual review and reference update
September 2020	Annual review
March 2021	Annual review
March 2022	Annual review
March 2023	Annual review. Changed policy number to 5.90.027
September 2023	Annual review. Per SME, replaced antihistamine requirement with topical calcineurin inhibitors, changed steroid requirement to include all potencies, replaced appendix 1 and 2 to match other dermatological policies
March 2024	Annual review

## Keywords

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**This policy was approved by the FEP® Pharmacy and Medical Policy Committee on March 8, 2024 and is effective on April 1, 2024.**

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**Appendix 1**

<b>Relative Potency of Topical Calcineurin Inhibitors</b>		
<b>Drug</b>	<b>Dosage Form</b>	<b>Strength</b>
<b>Medium Potency</b>		
Tacrolimus	Ointment	0.1%
<b>Low Potency</b>		
Tacrolimus	Ointment	0.03%
Pimecrolimus	Cream	1%

**Appendix 2**

<b>Relative Potency of Selected Topical Corticosteroids</b>		
<b>Drug</b>	<b>Dosage Form</b>	<b>Strength</b>
<b>Very high Potency</b>		
Augmented betamethasone dipropionate	Ointment, Gel	0.05%
Clobetasol propionate	Cream, Ointment	0.05%
Diflorasone diacetate	Ointment	0.05%
Flurandrenolide	Tape	4 mcg/cm <sup>2</sup>
Halobetasol propionate	Cream, Ointment	0.05%
<b>High Potency</b>		
Amcinonide	Cream, Lotion, Ointment	0.1%
Augmented betamethasone dipropionate	Cream, Lotion	0.05%
Betamethasone dipropionate	Cream, Ointment	0.05%
Betamethasone valerate	Ointment	0.1%
Desoximetasone	Cream, Ointment	0.25%
	Gel	0.05%
Diflorasone diacetate	Cream, Ointment	0.05%
	(emollient base)	
Fluocinonide	Cream, Ointment, Gel	0.05%
Halcinonide	Cream, Ointment	0.1%
Triamcinolone acetonide	Cream, Ointment	0.5%
<b>Medium Potency</b>		
Betamethasone dipropionate	Lotion	0.05%
Betamethasone valerate	Cream	0.1%

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Clocortolone pivalate	Cream	0.1%
Desoximetasone	Cream	0.05%
Fluocinolone acetonide	Cream, Ointment	0.025%
Flurandrenolide	Cream, Ointment, Lotion	0.05%
Fluticasone propionate	Cream	0.05%
	Ointment	0.005%
Hydrocortisone butyrate	Ointment, Solution	0.1%
Hydrocortisone valerate	Cream, Ointment	0.2%
Mometasone furoate	Cream, Ointment, Lotion	0.1%
Prednicarbate	Cream, Ointment	0.1%
Triamcinolone acetonide	Cream, Ointment, Lotion	0.025%
	Cream, Ointment, Lotion	0.1%
<b><i>Low Potency</i></b>		
Alclometasone dipropionate	Cream, Ointment	0.05%
Desonide	Cream	0.05%
Fluocinolone acetonide	Cream, Solution	0.01%
Hydrocortisone	Lotion	0.25%
	Cream, Ointment, Lotion, Aerosol	0.5%
	Cream, Ointment, Lotion, Solution	1%
	Cream, Ointment, Lotion	2.5%
Hydrocortisone acetate	Cream, Ointment	0.5%
	Cream, Ointment	1%