



## PROVIDER POLICIES & PROCEDURES

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### CORNEAL REMODELING PROCEDURES

The primary purpose of this policy is to assist providers enrolled in the Connecticut Medical Assistance Program (CMAP) with the information needed to support a medical necessity determination for corneal remodeling procedures. By clarifying the information needed for prior authorization of services, HUSKY Health hopes to facilitate timely review of requests so that individuals obtain the medically necessary care they need as quickly as possible.

This policy addresses corneal remodeling procedures intended to improve vision.

#### CLINICAL GUIDELINE

Coverage guidelines for corneal remodeling procedures are made in accordance with the CT Department of Social Services (DSS) definition of Medical Necessity. The following criteria are guidelines *only*. Coverage determinations are based on an assessment of the individual and their unique clinical needs. If the guidelines conflict with the definition of Medical Necessity, the definition of Medical Necessity shall prevail. The guidelines are as follows:

#### Corneal Crosslinking (CPT Code 66999, HCPCS code J3490)

Epithelium-off photochemical corneal crosslinking (CXL) using riboflavin and ultraviolet A may be considered medically necessary for treatment of the following indications:

- A. Progressive Keratoconus; **or**
- B. Corneal ectasia following refractive surgery.

**And**

- C. The individual does not have any of the following contraindications:
  - 1. A corneal thickness of fewer than 400 microns;
  - 2. A prior herpetic ocular infection; **or**
  - 3. A history of corneal disease or injury (i.e., chemical injury, delayed epithelial healing).

Treatment of progressive keratoconus may be considered medically necessary when:

- A. There is a diagnosis of keratoconus based on keratometry and corneal mapping; **and**
- B. Any of the following optical changes have occurred within 24 months:
  - 1. An increase of 1 diopter (D) in the steepest keratometry value;
  - 2. An increase of 1 D in regular astigmatism evaluated by subjective manifest refraction;
  - 3. A myopic shift (decrease in the spherical equivalent) of 0.50 D on subjective manifest refraction; **or**
  - 4. A decrease  $\geq 0.1$  mm in the back optical zone radius in rigid contact lens wearers where other information was not available; **and**
- C. Individual's age is  $\geq 14$  years.

Please note that authorization is based on medical necessity at the time the authorization is issued and is not a guarantee of payment. Payment is based on the individual having active coverage, benefits and policies in effect at the time of service.

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Treatment of corneal ectasia may be considered medically necessary when:

- A. Individual's age is  $\geq 14$  years;
- B. Axial topography pattern is consistent with corneal ectasia; **and**
- C. Corrected distance visual acuity (CDVA) is worse than 20/20.

**Epithelium-on (transepithelial) CXL is considered *experimental and investigational* for keratoconus, keratectasia, and all other indications and therefore *not* medically necessary.**

**CXL is considered *experimental and investigational* in all other situations including, but not limited to treatment of infectious keratitis and in combination with other procedures (e.g., intrastromal corneal ring segments, PRK or phakic intra-ocular lens implantation) and therefore *not* medically necessary.**

#### **Corneal Relaxing/Corneal Wedge Resection (CPT Codes 65772/65775)**

Correction of surgically induced astigmatism with a corneal relaxing incision or corneal wedge resection post-cataract or post-corneal transplant surgery may be considered medically necessary when:

- A. The degree of astigmatism is 3.00 diopters or greater; and
- B. The individual is intolerant of glasses or contact lenses.

#### **Keratoprosthesis (CPT Code 65770)**

The Dohlman Doane Boston Keratoprosthesis (Boston KPro) may be considered medically necessary for corneal blindness:

- A. For individuals with prior corneal transplant;
  1. The cornea is severely opaque and vascularized, with vision less than 20/400 in the affected eye and lower than optimal vision in the opposite eye; and
  2. The individual has had prior failed penetrating keratoplasties (corneal transplants), with poor prognosis for further grafting.

OR

- B. If there is documentation of the presence of a condition predisposing the individual to a high likelihood of corneal transplant failure.

Note: Keratoprosthesis for all other indications and devices except as outlined above is considered experimental/investigational and therefore not medically necessary.

#### **Experimental, Investigational, or Unproven**

The following procedures are considered experimental, investigational, or unproven and therefore not medically necessary:

- Keratomileusis (CPT code 65760)
- Keratophakia (CPT code 65765)
- Radial keratotomy (CPT code 65771)

#### **EPSDT Special Provision**

Early and Periodic Screening, Diagnosis, and Treatment (EPSDT) is a federal Medicaid requirement that requires the Connecticut Medical Assistance Program (CMAP) to cover services, products, or procedures for Medicaid enrollees under 21 years of age where the service or good is medically necessary health care to correct or ameliorate a defect, physical or mental illness, or a condition identified through a screening examination. The applicable definition of medical necessity is set forth in Conn. Gen. Stat. Section 17b-259b

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(2011) [ref. CMAP Provider Bulletin PB 2011-36].

## PROCEDURE

Prior authorization of corneal remodeling procedures is required. Requests for coverage will be reviewed in accordance with the processes in place for reviewing requests for surgical procedures. Coverage determinations will be based upon a review of requested and/or submitted case-specific information.

### The following information is needed to review requests for corneal remodeling procedures:

- A. Fully completed Corneal Remolding Procedures Prior Authorization Request Form; and
- B. Other information as requested by CHNCT.

## EFFECTIVE DATE

This Policy is effective for prior authorization requests for corneal remodeling procedures for individuals covered under the HUSKY Health Program beginning July 1, 2019.

## LIMITATIONS

N/A

## CODES:

Code	Definition
65760	Keratomileusis
65765	Keratophakia
65770	Keratoprosthesis
65771	Radial keratotomy
65772	Corneal relaxing incision for correction of surgically induced astigmatism
65775	Corneal wedge resection for correction of surgically induced astigmatism
66999	Unlisted procedure, anterior segment of eye
J3490	Unclassified drugs

## DEFINITIONS

1. **HUSKY A:** Connecticut children and their parents or a relative caregiver; and pregnant women may qualify for HUSKY A (also known as Medicaid). Income limits apply.
2. **HUSKY B:** Uninsured children under the age of 19 in higher income households may be eligible for HUSKY B (also known as the Children's Health Insurance Program) depending on their family income level. Family cost-sharing may apply.
3. **HUSKY C:** Connecticut residents who are age 65 or older or residents who are ages 18-64 and who are blind, or have another disability, may qualify for Medicaid coverage under HUSKY C (this includes Medicaid for Employees with Disabilities (MED-Connect), if working). Income and asset limits apply.
4. **HUSKY D:** Connecticut residents who are ages 19-64 without dependent children and who: (1) do not qualify for HUSKY A; (2) do not receive Medicare; and (3) are not pregnant, may qualify for HUSKY D (also known as Medicaid for the Lowest-Income populations).

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5. **HUSKY Health Program:** The HUSKY A, HUSKY B, HUSKY C, HUSKY D and HUSKY Limited Benefit programs, collectively.
6. **HUSKY Limited Benefit Program or HUSKY, LBP:** Connecticut's implementation of limited health insurance coverage under Medicaid for individuals with tuberculosis or for family planning purposes and such coverage is substantially less than the full Medicaid coverage.
7. **Medically Necessary or Medical Necessity:** (as defined in Connecticut General Statutes § 17b-259b) Those health services required to prevent, identify, diagnose, treat, rehabilitate or ameliorate an individual's medical condition, including mental illness, or its effects, in order to attain or maintain the individual's achievable health and independent functioning provided such services are: (1) Consistent with generally-accepted standards of medical practice that are defined as standards that are based on (A) credible scientific evidence published in peer-reviewed medical literature that is generally recognized by the relevant medical community, (B) recommendations of a physician-specialty society, (C) the views of physicians practicing in relevant clinical areas, and (D) any other relevant factors; (2) clinically appropriate in terms of type, frequency, timing, site, extent and duration and considered effective for the individual's illness, injury or disease; (3) not primarily for the convenience of the individual, the individual's health care provider or other health care providers; (4) not more costly than an alternative service or sequence of services at least as likely to produce equivalent therapeutic or diagnostic results as to the diagnosis or treatment of the individual's illness, injury or disease; and (5) based on an assessment of the individual and his or her medical condition.
8. **Prior Authorization:** A process for approving covered services prior to the delivery of the service or initiation of the plan of care based on a determination by CHNCT as to whether the requested service is medically necessary.

#### **ADDITIONAL RESOURCES AND REFERENCES:**

- Ahmad S, Mathews PM, Lindsley K, et al. Boston Type 1 Keratoprosthesis versus Repeat Donor Keratoplasty for Corneal Graft Failure: A Systematic Review and Meta-analysis. *Ophthalmology*. 2016;123(1):165-177. doi:10.1016/j.ophtha.2015.09.028
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- Lee WB, Shtein RM, Kaufman SC, Deng SX, Rosenblatt MI. Boston Keratoprosthesis: Outcomes and Complications: A Report by the American Academy of Ophthalmology. *Ophthalmology*. 2015;122(7):1504-1511. doi:10.1016/j.ophtha.2015.03.025
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- National Library of Medicine, StatPearls 2023, Collagen Cross Linking for Keratoconus. Vishal Vohra, Sahib Tuteja, Bharat Gurnani, and Harshika Chawla
- O'Brart DP, Patel P, Lascaratos G, et al. Corneal Cross-linking to Halt the Progression of Keratoconus and Corneal Ectasia: Seven-Year Follow-up. *Am J Ophthalmol* 2015; 160:1154.
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## PUBLICATION HISTORY

Status	Date	Action Taken
Original Publication	April 2018	Approved at the April 10, 2019 Medical Reviewer meeting. Approved by the CHNCT Clinical Quality Subcommittee on June 19, 2019. Approved by DSS on June 21, 2019.
Update	August 2019	Removed codes 0402T and J2787 from the <i>Codes</i> section. Codes are not payable under the Connecticut HUSKY Health program. Change approved by DSS on August 8, 2019.
Reviewed	August 2020	Reviewed and approved without changes at the August 12, 2020 Medical Reviewer meeting. Reviewed and approved without changes by the CHNCT Clinical Quality Subcommittee on September 21, 2020. Approved by DSS on October 7, 2020.
Reviewed	September 2021	Reviewed and approved without changes at the August 11, 2021 Medical Reviewer meeting. Reviewed and approved without changes by the CHNCT Clinical Quality Subcommittee on September 20, 2021. Approved by DSS on September 30, 2021.
Reviewed	September 2022	Reviewed and approved without changes at the July 13, 2022 CHNCT Medical Reviewer meeting. Reviewed and Approved without changes by the CHNCT Clinical Quality

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		Subcommittee on September 19, 2022. Approved by DSS on September 28, 2022.
Updated	September 2023	Update to Clinical Guideline section: added “the individual does not have either of the following contraindications: a corneal thickness of fewer than 400 microns or a prior herpetic ocular infection” to criteria. Change reviewed and approved at the July 12, 2023, CHNCT Medical Reviewer meeting. Change approved by the CHNCT Clinical Quality Subcommittee on September 18, 2023. Approved by DSS on October 2, 2023.
Updated	July 2024	Update to introduction to simplify intent of policy – to address corneal remodeling procedures. Clinical Guideline updated to specify criteria for corneal remodeling procedures: corneal crosslinking, corneal relaxing or corneal wedge resection, Keratoprosthesis, and to address procedures considered experimental, investigational, or unproven. Procedure updated to specify corneal remodeling procedures. Code section updated to include corneal remodeling codes. References updated. Changes reviewed and approved at the July 10, 2024 CHNCT Medical Reviewer meeting. Changes approved by the CHNCT Clinical Quality Subcommittee on September 16, 2024. Approved by DSS on September 27, 2024.

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