

2022 Reimbursement Resource Guide

January 2022

Table of Contents – Reimbursement Resource Guide

Summary	
BioTissue HCPCS (Supply) code	4
HCPCS code V2790 – Amniotic membrane for surgical reconstruction, per procedure	4
Note regarding supply code	
Need Answers to Questions? Contact The Pinnacle Health Group	
Medicare Coverage	
CMS National Coverage Policy for HCPCS code V2790	
Medicare Administrative Contractor (MAC) Jurisdictions (As of June 2021) Links to the individual MACs	
Commercial Payer Coverage	
Select major payers with coverage policies for Prokera:	
2022 Coding & Reimbursement Guide for Prokera and AmnioGraft (Physician)	
2022 Coding & Reimbursement Guide for Prokera and AmnioGraft (Facility):	
ICD-10-CM Diagnosis Codes	
<u> </u>	
Documentation Examples for Medicare Services	
Documentation Requirements for Medicare Services	
Sample CMS-1500 Claim form	13
Pinnacle Service Request Form	14
Published Clinical Evidence	15
Punctate Keratitis (PK):	15
Neurotrophic Keratitis (NK):	
Recurrent Corneal Erosion (RCE):	
Persistent Epithelial Defect (PED):	
Severe Dry Eye:	
Medical Affairs Contact information to obtain studies for other conditions	
Sample Prior Authorization Request Letter (PK)	
Sample Prior Authorization Request Letter (NK)	
Sample Prior Authorization Request Letter (RCE)	24
Sample Prior Authorization Request Letter (PED)	26
Sample Prior Authorization Request Letter (Severe Dry Eye)	28
Sample Appeal Letter – Prokera: Experimental/Investigational denial	
Where to go for Assistance: The Pinnacle Health Group	

Disclaimer: The guidance contained in this document, dated January 2022, is provided for informational purposes only and represents no statement, promise, or guarantee by TissueTech Inc or its operating subsidiaries including BioTissue Inc and Amniox Medical Inc (collectively TissueTech) concerning reimbursement, payment, charges. Similarly, all CPT codes and HCPCS codes are supplied for informational purposes only and represent no statement, promise, or guarantee by TissueTech that these code selections will be appropriate for a given service or that reimbursement will be made to the provider. This Guide is not intended to increase or maximize reimbursement by a Payer. TissueTech strongly recommends that you consult your individual Payer Organization regarding its relative and current reimbursement policies. For complete indications, contraindications, warnings, precautions, and adverse reactions, please reference full package insert.

Summary

BioTissue HCPCS (Supply) code



HCPCS code V2790 – Amniotic membrane for surgical reconstruction, per procedure

Note regarding supply code

Many payers include reimbursement for the supply with payment for the procedure code. Payers may have different policies regarding the supply of the amniotic tissue. Check your commercial payer policies and contracts to determine coverage and payment associated with CPT code 65778 and HCPCS code V2790, as this will vary from payer to payer.

Need Answers to Questions?

If you have a question about proper coding, need help with benefit verification or billing issues for Prokera, AmnioGraft or AmnioGuard, reach out to Pinnacle Health Group. Their team of reimbursement professionals is available Monday through Friday, 8:30 AM – 6:00 PM ET to help resolve common reimbursement and billing issues.

Address any questions regarding coding and reimbursement to **The Pinnacle Health Group** at the contact information below.



Medicare Coverage

CMS National Coverage Policy for HCPCS code V2790

There are NCCI edits associated with the use of CPT Code 65778, you are reminded to review as part of your code assignment and claims submission. HCPCS code V2790 is included in the allowance for CPT Codes 65778 and 65779. In an inpatient facility reimbursement for HCPCS code V2790 is included in the Outpatient Prospective Payment System (OPPS) allowance. In an Ambulatory Surgical Center (ASC) reimbursement for V2790 is included in the facility allowance.

HCPCS code V2790, Amniotic membrane for surgical reconstruction per procedure, is not eligible for payment from Medicare in any setting. Reimbursement for the supply is included with payment for the procedure. Other payers may have different policies regarding the supply of the amniotic tissue. Check your commercial payer policies and contracts to determine coverage and payment associated with CPT code 65778 and HCPCS code V2790, as this will vary from payer to payer.

HCPCS code V2790 should not be billed to Part B separately except as noted below:

- HCPCS code V2790 can be reimbursed separately in an office setting when billed with CPT Code 65780. A copy of the invoice must be submitted when billing for V2790 and 65780 on the same claim.
- HCPCS code V2790 should not be billed with CPT Code 65775. However, if amniotic membrane application is required during that procedure, then either CPT Codes 65778 or 65779, depending on the method of application of the membrane must be billed with 65775 when a membrane is applied. As indicated above, CPT Codes 65778 and 65779 both include payment for the membrane itself (V2790) and therefore V2790 should not be billed separately when those codes are billed.

SOURCE: <u>CMS</u> Article A53441.

JK J6 NGS IE NGS Noridian J8 WPS JL JE Novitas Noridian J15 15 CGS WPS JM Palmetto Ш JH Palmetto Novitas JF JN FCSO

Medicare Administrative Contractor (MAC) Jurisdictions (As of June 2021)

There are no NCDs or LCDs regarding Amniotic Membrane

As of March 25, 2022, First Coast retired their Amniotic Membrane LCD and now there are no National Coverage Determinations (NCD) or Local Coverage Determinations (LCD) for the use of amniotic membrane placement on the ocular surface. Each jurisdiction will determine coverage on a case-by-case basis, based on documented medical necessity. It is important that providers document patient necessity thoroughly within the patient's chart, especially previous conservative treatments that have been tried.

Medicare only covers services that are reasonable and necessary. So those guidelines which dictate acceptable medical practice from other sources (peer reviewed literature, professional society protocols, etc.), would serve as potential sources of "reasonable and necessary" indications and practices in the event of an audit. Provider offices remain responsible for correct performance, coding, billing, and medical necessity under Medicare.

For additional jurisdiction-specific information, go to that MAC by clicking on the corresponding map or text box to be taken to the jurisdiction landing page. Additional information can be obtained on specific Jurisdiction pages.



Novitas JL: DE, DC, MD. NJ, PA & Novitas JH: AR, CO, LA, MS, NM, OK, TX, Indian Health, & **Veteran Affairs**



Palmetto GBA JJ:TN, AL, GA Palmetto GBA JM: WVA, VA, NC, SC



CGS - J15: KY & OH:



NGS J6: IL, MN, & WI, & NGS JK: ME, VT, NH, MA, RI CT, NУ



Noridian JE: CA, HI, NV & Noridian JF: AK, AZ, ID, MT, ND, SD, OR, UT, WA, & WY





WPS J5: NE, KS, IA, MO & WPS J8: MI, & IN (Select specific jurisdiction in the blue bar at the top of the landing page.)



First Coast FSCO - JN: (Florida, Puerto Rico/U.S. Virgin Islands

Providers are encouraged to document medical necessity in the patient's record, including conservative care treatments that have failed.

If you have any additional questions regarding coding, coverage and payment; or require assistance with pre-certification, prior authorization, or coverage appeals for a particular patient, please contact the BioTissue Reimbursement Hotline at 866-369-9290 or email biotissueocular@thepinnaclehealthgroup.com.

Commercial Payer Coverage

Prokera[®] is covered by Medicare, Medicaid, and most insurance companies for a wide variety of diagnoses and conditions. Check with your payer and payer contract to determine their coverage of specific procedures and codes. Remember, provider offices remain responsible for correct coding, billing, and the documentation of patient's medical necessity, for any billed codes. As the existence of a policy does not guarantee payment, it is recommended that prior authorization or pre-determination be acquired before moving ahead with the procedure.

Select major payers with coverage policies for Prokera:



Aetna – <u>Corneal Graft and Amniotic Membrane Transplantation</u>, <u>Limbal Stem Cell Transplantation</u>, or <u>Sural Nerve Grafting for</u> <u>Ocular Indications</u>



Anthem – <u>Allogeneic, Xenographic, Synthetic and Composite</u> <u>Products for Wound Healing and Soft Tissue Grafting – Medical</u> <u>Policy #: SURG.00011</u>

Humana

Humana – Ocular Surface Disease Diagnosis and Treatments



Blue Cross Blue Shield Federal Employee Plan (FEP) – <u>701149</u> <u>Amniotic Membrane and Amniotic Fluid.pdf (fepblue.org)</u>

Federal Employee Program.

At the end of this Guide, you will find prior authorization letter templates to use with various diagnoses, and an appeal letter template.

If you have any additional questions regarding coding, coverage and payment; or require assistance with pre-certification, prior authorization, or coverage appeals for a particular patient, please contact the BioTissue Reimbursement Hotline at 866-369-9290 or email biotissueocular@thepinnaclehealthgroup.com.

Procedure coding should be based upon medical necessity, procedures and supplies provided to the patient. Coding and reimbursement information is provided for educational purposes and does not assure coverage of the specific item or service in each case. TissueTech and The Pinnacle Health Group make no guarantee of coverage or reimbursement of fees. These payment rates are nationally unadjusted average amounts and do not account for differences in payment due to geographic variation. Contact your local Medicare Administrative Contractor (MAC) or CMS for specific information as payment rates listed are subject to change. To the extent that you submit cost information to Medicare, Medicaid, or any other reimbursement program to support claims for services or items, you are obligated to accurately report the actual price paid for such items, including any subsequent adjustments. CPT* five-digit numeric codes, descriptions, and numeric modifiers only are Copyright AMA. (Updated January 2022).

2022 Medicare Physician/Facility Reimbursement Guide Biolissue

Prokera and AmnioGraft

BioTissue Reimbursement Hotline **866-369-9290** Email: **biotissueocular@thepinnaclehealthgroup.com**

Physician Fee Schedule – Facility and Non-Facility Settings (CY 2022)					
CPT	T Descriptor		MPFS		
CP1 Descriptor		Non-Facility	Facility		
	Placement of Prokera®				
65778	Placement of amniotic membrane on the ocular surface; without sutures	\$1,412.63	\$53.64		
	Placement of AmnioGraft [®]				
65779	Placement of amniotic membrane on the ocular surface; single layer, sutured	\$1,224.37	\$148.81		
	Pterygium Procedural Coding				
65426	Excision or transposition of pterygium; with graft	\$684.17	\$478.26		
	Conjunctival Procedures				
65780	Ocular surface reconstruction; amniotic membrane transplantation, multiple layers	N/A	\$670.32		
68110	Excision of lesion, conjunctiva; up to 1 cm	\$242.24	\$147.42		
68115	Excision of lesion, conjunctiva; over 1 cm	\$343.64	\$183.07		
68320	Conjunctivoplasty; with conjunctival graft or extensive rearrangement	\$759.26	\$540.20		
68326	Conjunctivoplasty, reconstruction cul-de-sac; with conjunctival graft or extensive rearrangement	N/A	\$643.68		
68330	Repair of symblepharon; conjunctivoplasty, without graft	\$635.72	\$459.22		
	Glaucoma Procedures				
66170	Fistulization of sclera for glaucoma; trabeculectomy ab externo in absence of previous surgery	N/A	\$1,095.98		
66172	Fistulization of sclera for glaucoma; trabeculectomy ab externo with scarring from previous ocular surgery or trauma (includes injection of antifibrotic agents)	N/A	\$1,196.68		
66180	Aqueous shunt to extraocular equatorial plate reservoir, external approach; <u>with graft</u>	N/A	\$1,141.66		
66185	Revision of aqueous shunt to extraocular equatorial plate reservoir; <u>with</u> <u>graft</u>	N/A	\$853.04		
	Supply				
V2790	Amniotic membrane for surgical reconstruction, per procedure	N/A	Contractor Priced		

Coding Guidance

<u>CPT 65426</u>: If the provider secures the amniotic membrane transplant with glue instead of using a conjunctival graft, CPT 65426 should still be reported. When reporting placement of the amniotic membrane separately, CPT 66999 should be reported if glue is used.

References:

- CY 2022 Changes to Hospital Outpatient Prospective Payment and Ambulatory Payment Systems Final Rule with Comment and Final CY 2022 Payment Rates (CMS-1753-FC); Addendum B and ASC Addenda.
- CY 2022 Payment Policies under the Physician Fee Schedule and Other Changes to Part B Payment Policies; (CMS-1751-
- F); Addendum B. All MPFS Fee Schedules calculated using CF of \$34.6062 effective January 1, 2022.
- Current Procedural Terminology (CPT®) is a registered trademark of the American Medical Association.
- ICD-10-CM Expert for Physicians 2022, ©2021 Optum360, LLC. All rights reserved.

If you have any additional questions regarding coding, coverage and payment; or require assistance with pre-certification, prior authorization, or coverage appeals for a particular patient, please contact the BioTissue Reimbursement Hotline at **866-369-9290** or email **biotissueocular@thepinnaclehealthgroup.com**.



In the Hospital Outpatient Prospective Payment System (OPPS), CMS assigns all CPT and HCPCS codes a status indicator (SI) which indicates when and how a service is considered for payment. Status indicators (SI) that apply to the procedures listed in this guide and their definitions are provided below:

Facility Reimbursement – Hospital Outpatient and ASC Settings (CY 2022)					
CPT	Descriptor	OPPS		vS	ASC
CPT	Descriptor	SI	APC	Payment	Payment
Placemen	t of Prokera®				
65778	Placement of amniotic membrane on the ocular surface; without sutures	Q2	5502	\$827.06	Packaged
Placemen	t of AmnioGraft [®]				
65779	Placement of amniotic membrane on the ocular surface; single layer, sutured	Q2	5504	\$3,376.68	Packaged
Pterygium	n Procedures				
65426	Excision or transposition of pterygium; with graft	J1	5503	\$2,043.70	\$873.70
Conjuncti	val Procedures				
65780	Ocular surface reconstruction; amniotic membrane transplantation, multiple layers	J1	5504	\$3,376.68	\$1,785.51
68110	Excision of lesion, conjunctiva; up to 1 cm	J1	5503	\$2,043.70	\$170.01
68115	Excision of lesion, conjunctiva; over 1 cm	J1	5503	\$2,043.70	\$873.70
68320	Conjunctivoplasty; with conjunctival graft or extensive rearrangement	J1	5503	\$2,043.70	\$873.70
68326	Conjunctivoplasty, reconstruction cul-de-sac; with conjunctival graft or extensive rearrangement	J1	5504	\$3,376.68	\$1,380.56
68330	Repair of symblepharon; conjunctivoplasty, without graft	J1	5491	\$2,120.86	\$1,063.42
Glaucomo	a Procedures				
66170	Fistulization of sclera for glaucoma; trabeculectomy ab externo in absence of previous surgery	J1	5491	\$2,120.86	\$1,063.42
66172	Fistulization of sclera for glaucoma; trabeculectomy ab externo with scarring from previous ocular surgery or trauma (includes injection of antifibrotic agents)	J1	5491	\$2,120.86	\$1,063.42
66180	Aqueous shunt to extraocular equatorial plate reservoir, external approach; <u>with graft</u>	J1	5492	\$3,999.59	\$2,581.94
66185	Revision of aqueous shunt to extraocular equatorial plate reservoir; <u>with graft</u>	J1	5491	\$2,120.86	\$1,063.42
Supply					
V2790	Amniotic membrane for surgical reconstruction, per procedure	Ν	N/A	Packaged	Packaged

Key to Abbreviations:

SI – Status Indicator.

Q2 - Packaged APC payment if billed on the same claim as a HCPCS code assigned status indicator "T." Otherwise, payment made through separate APC.

J1 - All covered Part B services on the claim are packaged with the primary "J1" service for the claim, except services with OPPS SI=F, G, H, L and U; ambulance services; diagnostic and screening mammography; all preventive services; and certain Part B inpatient services.

If two or more "J1" services appear on the same claim, the procedure with the higher rank based on cost is considered the "primary" service and payment is based upon the C-APC to which that service is assigned.

Procedure coding should be based upon medical necessity, procedures and supplies provided to the patient. Coding and reimbursement information is provided for educational purposes and does not assure coverage of the specific item or service in each case. TissueTech and The Pinnacle Health Group make no guarantee of coverage or reimbursement of fees. These payment rates are nationally unadjusted average amounts and do not account for differences in payment due to geographic variation. Contact your local Medicare Administrative Contractor (MAC) or CMS for specific information as payment rates listed are subject to change. To the extent that you submit cost information to Medicare, Medicaid, or any other reimbursement program to support claims for services or items, you are obligated to accurately report the actual price paid for such items, including any subsequent adjustments. CPT[®] five-digit numeric codes, descriptions, and numeric modifiers only are Copyright AMA. (Updated January 2022).



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The ICD-10 diagnostic codes listed below include only those that map to a CPT code relative to pterygium, conjunctival, or glaucoma procedure provided in the previous table. Codes ending with a "dash" mean additional digits may be required to obtain greater specificity.

Diagnosis Co	des
ICD-10-CM	Description
B94.0	Sequelae of trachoma
C69.0-	Malignant neoplasm
C79.49	Secondary malignant neoplasm of other parts of nervous system
D09.2-	Carcinoma in situ
D31.0-	Benign neoplasm of conjunctive
D31.0-	Neoplasm of uncertain behavior of other specified sites
D40.7	Neoplasm of unspecified behavior of other specified sites
H10.81-	Pingueculitis
H11.00-	Unspecified pterygium
H11.01-	Amyloid pterygium
H11.02-	Central pterygium
H11.03-	Double pterygium
H11.04-	Peripheral pterygium
H11.05-	Peripheral pterygium, progressive
H11.44-	Conjunctival cysts
H11.06-	Recurrent pterygium
H11.21-	Conjunctival adhesions and strands (localized)
H11.22-	Conjunctival granuloma
H11.24-	Scarring of conjunctiva
H11.44-	Conjunctival cysts
H11.81-	Pseudopterygium of conjunctiva
H11.82-	Conjunctivochalasis
H16.00-	Unspecified corneal ulcer
H16.01-	Central corneal ulcer
H16.02-	Ring corneal ulcer
H16.03-	Corneal ulcer with hypopyon
H16.04-	Marginal corneal ulcer
H16.05-	Mooren's corneal ulcer
H16.06-	Mycotic corneal ulcer
H16.07-	Perforated corneal ulcer
H16.12-	Filamentary keratitis
H16.14-	Punctate keratitis
H16.223	Keratoconjunctivitis sicca, not specified as Sjogren's, bilateral
H16.23-	Neurotrophic keratoconjunctivitis
H18.1-	Bullous keratopathy
H18.40	Unspecified corneal degeneration
H18.41-	Arcus senilis,
H18.42-	Band keratopathy,
H18.43	Other calcerous corneal degeneration
H18.44-	Keratomalacia
H18.45-	Nodular corneal degeneration

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	des
CD-10-CM	Description
H18.46-	Peripheral corneal degeneration
H18.49	Other corneal degeneration
H18.50	Unspecified hereditary corneal dystrophies
H18.51	Endothelial corneal dystrophy
H18.52	Epithelial (juvenile) corneal dystrophy
H18.53	Granular corneal dystrophy
H18.54	Lattice corneal dystrophy
H18.55	Macular corneal dystrophy
H18.59	Other hereditary corneal dystrophies
H18.73-	Descemetocele
H18.82-	Corneal disorder due to contact lens
H40.05-	Ocular hypertension
H40.06-	Primary angle closure without glaucoma damage
H40.10X-	Unspecified open-angle glaucoma
H40.11-	Primary open-angle glaucoma
H40.12-	Low-tension glaucoma
H40.13-	Pigmentary glaucoma
H4014-	Capsular glaucoma with pseudoexfoliation of lens
H40.15-	Residual stage of open-angle glaucoma
H40.20X-	Unspecified primary angle-closure glaucoma
H40.22-	Chronic angle-closure glaucoma,
H40.23-	Intermittent angle-closure glaucoma
H40.24-	Residual stage of angle-closure glaucoma
H40.30-	Glaucoma secondary to eye trauma
H40.40-	Glaucoma secondary to eye inflammation
H40.50-	Glaucoma secondary to other eye disorders
H40.60-	Glaucoma secondary to drugs
H40.81-	Glaucoma with increased episcleral venous pressure
H40.82-	Hypersecretion glaucoma
H40.83-	Aqueous misdirection
H40.89	Other specified glaucoma
H40.9	Unspecified glaucoma
H42	Glaucoma in diseases classified elsewhere
H59.09-	Other disorders of the eye following cataract surgery
L51.1	Stevens-Johnson syndrome
Q13.1	Absence of iris
Q15.0	Congenital glaucoma
S05.0-	Injury of conjunctiva and corneal abrasion without foreign body
T26.1-	Burn of cornea
T26.6-	Corrosion of cornea and conjunctival sac
T26.7	Corrosion with resulting rupture and destruction of eyeball
T26.8	Corrosions of other specified parts of eye and adnexa
T26.9	Corrosion of eye and adnexa, part unspecified

If you have any additional questions regarding coding, coverage and payment; or require assistance with pre-certification, prior authorization, or coverage appeals for a particular patient, please contact the BioTissue Reimbursement Hotline at 866-369-9290 or email <u>biotissueocular@thepinnaclehealthgroup.com</u>.

Procedure coding should be based upon medical necessity, procedures and supplies provided to the patient. Coding and reimbursement information is provided for educational purposes and does not assure coverage of the specific item or service in each case. TissueTech and The Pinnacle Health Group make no guarantee of coverage or reimbursement of fees. These payment rates are nationally unadjusted average amounts and do not account for differences in payment due to geographic variation. Contact your local Medicare Administrative Contractor (MAC) or CMS for specific information as payment rates listed are subject to change. To the extent that you submit cost information to Medicare, Medicaid, or any other reimbursement program to support claims for services or items, you are obligated to accurately report the actual price paid for such items, including any subsequent adjustments. CPT[®] five-digit numeric codes, descriptions, and numeric modifiers only are Copyright AMA. (Updated January 2022).

Documentation Examples for Medicare Services

Source: https://med.noridianmedicare.com/web/jeb/cert-reviews/mr/documentation-guidelines-for-medicare-services

REMEMBER: The "burden of proof" remains with the provider to substantiate services and/or supplies billed to Medicare. During the audit process, if documentation is needed, the physician or supplier must provide the required documentation within the deadlines stipulated in the written request.

Documentation Requirements for Medicare Services

Source: <u>cms.gov</u>

- 1. All documentation must be maintained in the patient's medical record and made available to the contractor upon request.
- 2. Every page of the record must be legible and include appropriate patient identification information (e.g., complete name, dates of service[s]). The documentation must include the legible signature of the physician or non-physician practitioner responsible for and providing the care to the patient.
- 3. The submitted medical record must support the use of the selected ICD-10-CM code(s). The submitted CPT/HCPCS code must describe the service performed.

Sample CMS-1500 Claim form NOTE: Dates must be in 6- or 8-digit format. (MM/DD/YY or MM/DD/CCYY)

Box 1: Select payer.	Four Line Insurance address: 1st Line – Name 2nd Line – First line of address 3rd Line – Second line of address, 3rd Line – City, State (2 characters) and ZIP code Box 1a: Patient insurance
Boxes 2-7: Patient and Guarantor's information. Boxes 9- 9d: Patient other insurance info (if applicable) 9b, 9c leave blank.	1. MEDICARE MEDICARD TRICARE CHAMPYA SPOUL FLACTH FLAN EXCUNS OTHER 1a: INSURED'S I.D. NUMBER (For Program in Item 1) 1. MEDICARE (Medicaid#)
Box 10: Answer questions regarding injury, or accident. Completion of 10a- c is required.	a. OTHER INSURED'S POLICY OR GROUP NUMBER a. EMPLOYMENT? (Qurrent or Previous) yES b. AUTO ACCIDENT? pl. RESERVED FOR NUCC USE b. AUTO ACCIDENT? pl. OTHER CLAIM ID (Designated by NUCC) pl. OTHER CLAIM ID (Designated by NUCC) c. RESERVED FOR NUCC USE c. OTHER ACCIDENT? c. OTHER ACCIDENT? c. INSURANCE PLAN NAME OR PROGRAM NAME 10d. CLAIM CODES (Designated by NUCC) d. IS THERE ANOTHER HEALTH BENERT PLAN? insurrance name Image: plantary intervence PLACE (State) b. OTHER CLAIM ID (Designated by NUCC) c. INSURANCE PLAN NAME OR PROGRAM NAME Id. INSURANCE PLAN NAME OR PROGRAM NAME Id. Insurrance name Id. PATIENTS OR AUTHORIZED PERSON'S SIGNATURE I authorize or beinformation necessary Id. Insurrence
Boxes 14 & 15: Insert dates if the visit is related to current illness or injury. Box 17: If there is a referring provider, insert their name here. If no referring provider, doctor seeing patient that day goes here. Box 17b: NPI of MD listed in Box 17.	SIGNED IA DITIONAL CLAIM INFORMA Box 19: Add product name here if applicable or other pertinent info. 21. DIAGNOSIS CR NATURE OF Box 21: List Diagnosis codes here. See additional note below. Image: Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2"
	24. A. Do vy MM Do vy SERVICE Lexpan Output Command Comm
Box 21D: IMPORTA	6 NP1 NP1 25. FEDERAL TAX I.D. NUMBER SSN EIN 26. PATIENT'S ACCOUNT NO. 27. ACCEPT ASSIGNMENT? 28. TOTAL CHARGE 29. AMOUNT PAID 30. Rsvd.txr NUCC Use 31. SIGNATURE OF PHYSICIAN OR SUPPLER INCLUDING DEGREES OR CREDENTIALS (Cortify that the statements on hereverse apply to this bit and are made a part thereof) 32. SERVICE FACILITY LOCATION INFORMATION 33. BILLING PROVIDER INFO 8 PH# () NT INFO Regarding Even Box 24D; IMPORTANT INFO Box 24D, cont.: IMPORTANT INFO
diagnosis code sec multiple diagnosis c place them in order	quence: If you include odes on a single claim, according toCPT code sequence: Sequencing CPT Codes is crucial to appropriate claims submission and appropriateRegarding modifier sequence: The general order of sequencing modifiers is (1) pricing (2) payment (3) location. Location modifiers, in all coding situations, are coded "last".

SOURCE: National Uniform Claim Committee. <u>https://www.nucc.org/images/stories/PDF/1500_claim_form_instruction_manual_2021_07-v9.pdf</u> and https://www.novitas-solutions.com/webcenter/portal/MedicareJH/pagebyid?contentId=00103783



Complete form and fax to Pinnacle **215-369-9198** or **877-499-2986** Email to **BV@thepinnaclehealthgroup.com** For help call 866-369-9290

Service Request form					
Reason For Request: Prior Authorization	Prior Authorization App	eal 🛛 Claim Denial / Appeal			
Provider Information					
PROCEDURE DATE:					
Place of Service: □ Physician Office □ Ambul □ Other (Specify)					
Place of Service: Physician Office Ambul Other (Specify)	atory Surgical Center 🛛 🗎	lospital Inpatient 🛛 Hospital Outpatient			
Rendering Physician Name:					
NPI:	TIN:	Medicare PTAN:			
Address:		Provider Phone:			
		Provider Fax:			
City/State:					
Contact Person:		Contact Phone:			
Contact Email Address:		Contact Fax:			
Facility Information					
Facility Name:	Facility Phone:	Facility Fax:			
Facility Address:	·				
Facility TIN:	Facility NPI:				
Patient Information					
Patient Name:					
Address:		City:			
State:	Zip code:	Gender:			
DOB:	Home Phone:	Cell Phone:			
Primary Ins:	Ins ID#	Group#			
Ins. Phone:	Subscriber Name:	Subscriber DOB:			
Secondary Ins:	Ins ID#	Group#			
Ins. Phone:	Subscriber Name:	Subscriber DOB:			
Procedure information					
Diagnosis:	CD-10	CPT/HCPCS Code			
Patient Consent		1			
Patient Consent signed and on file (Y/N)	D	ate signed			

Please include all supporting clinical documentation such as treatment plan, progress notes, and LOMN.

The pinnacle health group cannot guarantee coverage or reimbursement for any product or procedure, nor is benefit verification a guarantee of coverage for services rendered. Third-party payment for medical products and services is affected by numerous factors. It is always the provider's responsibility to determine and submit appropriate codes, charges and modifiers for services rendered.

Published Clinical Evidence

This information can be used with any Letter of Medical Necessity, Appeal, Prior Authorization request, etc.

Punctate Keratitis (PK):

¹ Morkin MI and Hamrah P. Efficacy of self- retained cryopreserved amniotic membrane for treatment of neuropathic corneal pain. The Ocular Surface. 2018; 16: 132-8[76]

² Tighe S. (2018) Use of Amniotic Membrane in Corneal Ulcers with or without Neurotrophic Keratitis. 2018 ASCRS/ASOA Symposium and Congress. Paper.[149]

³ Brocks D, Mead OG, Tighe S, Tseng SC. Self-Retained Cryopreserved Amniotic Membrane for the Management of Corneal Ulcers. Clinical Ophthalmology. 2020 May 26; 14:1437-43.[146]

⁴ Yin HY, Cheng AM, Tighe S, Kurochkin P, Nord J, Dhanireddy S, Swan R, Alpert S. Self-retained cryopreserved amniotic membrane for treating severe corneal ulcers: a comparative, retrospective control study. Scientific Reports. 2020 Oct 12;10(1):1-5.[145] ⁵ Yeu E, Tighe S, Sheha H. Optimizing ocular surface prior to Cataract Surgery. 2017 AAO, New Orleans, LA.

⁶ Sheha H, Tighe S. (2018) Self-Retained Amniotic Membrane for Epithelial Basement Membrane Dystrophy. 2018 ASCRS/ASOA Symposium and Congress. Poster.[150]

⁷ Cheng AMS and Tseng SCG. Self-Retained Amniotic Membrane Combined with Antiviral Therapy for Herpetic Epithelial Keratitis. Cornea. 2017; 36: 1383-6.[161]

 ⁸ Doll T. Cryopreserved Amniotic Membrane, Autologous Serum Eye Drops, and Tea-Tree Oil Lid Scrubs in combination for the treatment of Keratoconjunctivitis in a Staphylococcus Hypersensitive Teenager. Journal of Dry Eye Disease. 2017; 1: e1-e10.[162]
 ⁹ Sheha H, Tighe S, Cheng AMS and Tseng SCG. A stepping-stone in treating dendritic keratitis. American Journal of Ophthalmology Case Reports. 2017; 7: 55-8.[163]

¹⁰Harthan J and A Sicks L. Sutureless Amniotic Membranes (Prokera) for Filamentary Keratitis: A Case Series. Journal of Dry Eye and Ocular Surface Disease. 2019; 2: e10-e6.[164]

¹¹ Cheng AMS, Tighe S, Sheha H and Tseng SCG. Adjunctive role of self-retained cryopreserved amniotic membrane in treating immune-related dry eye disease. International Ophthalmology. 2018;38: 2219-22[122]

¹² John T, Tighe S, Sheha H, et al. Corneal Nerve Regeneration after Self-Retained Cryopreserved Amniotic Membrane in Dry Eye Disease. J Ophthalmology 2017; Volume 2017, Article ID 6404918, 10 pages. <u>https://doi.org/10.1155/2017/6404918</u>

Neurotrophic Keratitis (NK):

¹ Morkin MI and Hamrah P. Efficacy of self- retained cryopreserved amniotic membrane for treatment of neuropathic corneal pain. The Ocular Surface. 2018; 16: 132-8[76]

² Tighe S. (2018) Use of Amniotic Membrane in Corneal Ulcers with or without Neurotrophic Keratitis. 2018 ASCRS/ASOA Symposium and Congress. Paper.[149]

³ Brocks D, Mead OG, Tighe S, Tseng SC. Self-Retained Cryopreserved Amniotic Membrane for the Management of Corneal Ulcers. Clinical Ophthalmology. 2020 May 26; 14:1437-43.[146]

⁴ Yin HY, Cheng AM, Tighe S, Kurochkin P, Nord J, Dhanireddy S, Swan R, Alpert S. Self-retained cryopreserved amniotic membrane for treating severe corneal ulcers: a comparative, retrospective control study. Scientific Reports. 2020 Oct 12;10(1):1-5.[145] ⁵ Yeu E, Tighe S, Sheha H. Optimizing ocular surface prior to Cataract Surgery. 2017 AAO, New Orleans, LA.

⁶ Sheha H, Tighe S. (2018) Self-Retained Amniotic Membrane for Epithelial Basement Membrane Dystrophy. 2018 ASCRS/ASOA

Symposium and Congress. Poster.[150]

⁷ Cheng AMS and Tseng SCG. Self-Retained Amniotic Membrane Combined with Antiviral Therapy for Herpetic Epithelial Keratitis. Cornea. 2017; 36: 1383-6.[161]

⁸ Doll T. Cryopreserved Amniotic Membrane, Autologous Serum Eye Drops, and Tea-Tree Oil Lid Scrubs in combination for the treatment of Keratoconjunctivitis in a Staphylococcus Hypersensitive Teenager. Journal of Dry Eye Disease. 2017; 1: e1-e10.[162]
⁹ Sheha H, Tighe S, Cheng AMS and Tseng SCG. A stepping-stone in treating dendritic keratitis. American Journal of Ophthalmology Case Reports. 2017; 7: 55-8.[163]

¹⁰ Harthan J and A Sicks L. Sutureless Amniotic Membranes (Prokera) for Filamentary Keratitis: A Case Series. Journal of Dry Eye and Ocular Surface Disease. 2019; 2: e10-e6.[164]

¹¹ John T, Tighe S, Sheha H, et al. Corneal Nerve Regeneration after Self- Retained Cryopreserved Amniotic Membrane in Dry Eye Disease. Journal of Ophthalmology. 2017; 2017: 6404918[75]

Recurrent Corneal Erosion (RCE):

¹ Huang YS, H; Tseng S.G. Self-retained Amniotic Membrane Transplantation for Recurrent Corneal Erosion. Journal of Clinical and Experimental Ophthalmology. 2013; 4:272.[155]

² Desai NR. A comparison of cryopreserved amniotic membrane and bandage contact lens in their ability to provide high- quality healing after superficial keratectomy. Review of Ophthalmology. 2014.[152]

³ Morkin MI and Hamrah

P. Efficacy of self- retained cryopreserved amniotic membrane for treatment of neuropathic corneal pain. The Ocular Surface. 2018; 16: 132-8[76]

⁴ Tighe S. (2018) Use of Amniotic Membrane in Corneal Ulcers with or without Neurotrophic Keratitis. 2018 ASCRS/ASOA Symposium and Congress. Paper.[149]

⁵ Brocks D, Mead OG, Tighe S, Tseng SC. Self-Retained Cryopreserved Amniotic Membrane for the Management of Corneal Ulcers. Clinical Ophthalmology. 2020 May 26; 14:1437-43.[146]

⁶ Yin HY, Cheng AM, Tighe S, Kurochkin P, Nord J, Dhanireddy S, Swan R, Alpert S. Self-retained cryopreserved amniotic membrane for treating severe corneal ulcers: a comparative, retrospective control study. Scientific Reports. 2020 Oct 12;10(1):1-5.[145] ⁷ Yeu E, Tighe S, Sheha H. Optimizing ocular surface prior to Cataract Surgery. 2017 AAO, New Orleans, LA.

⁸ Sheha H, Tighe S. (2018) Self-Retained Amniotic Membrane for Epithelial Basement Membrane Dystrophy. 2018 ASCRS/ASOA Symposium and Congress. Poster.[150]

⁹ Cheng AMS and Tseng SCG. Self-Retained Amniotic Membrane Combined with Antiviral Therapy for Herpetic Epithelial Keratitis. Cornea. 2017; 36: 1383-6.[161]

¹⁰ Doll T. Cryopreserved Amniotic Membrane, Autologous Serum Eye Drops, and Tea-Tree Oil Lid Scrubs in combination for the treatment of Keratoconjunctivitis in a Staphylococcus Hypersensitive Teenager. Journal of Dry Eye Disease. 2017; 1: e1-e10.[162] ¹¹ Sheha H, Tighe S, Cheng AMS and Tseng SCG. A stepping-stone in treating dendritic keratitis. American Journal of Ophthalmology Case Reports. 2017; 7: 55-8.[163]

¹² Harthan J and A Sicks L. Sutureless Amniotic Membranes (Prokera) for Filamentary Keratitis: A Case Series. Journal of Dry Eye and Ocular Surface Disease. 2019; 2: e10-e6.[164]

Persistent Epithelial Defect (PED):

¹ Cheng AM, Zhao D, Chen R, et al. Accelerated restoration of ocular surface health in dry eye disease by self-retained cryopreserved amniotic membrane. Ocul Surf. 2016;14(1):56-63.

² Yin HY, Cheng AM, Tighe S, Kurochkin P, Nord J, Dhanireddy S, Swan R, Alpert S. Self-retained cryopreserved amniotic membrane for treating severe corneal ulcers: a comparative, retrospective control study. Scientific Reports. 2020 Oct 12;10(1):1-5.[145]

³ Brocks D, Mead OG, Tighe S, Tseng SC. Self-Retained Cryopreserved Amniotic Membrane for the Management of Corneal Ulcers. Clinical Ophthalmology. 2020 May 26; 14:1437-43.[146]

⁴ Morkin MI and Hamrah

P. Efficacy of self- retained cryopreserved amniotic membrane for treatment of neuropathic corneal pain. The Ocular Surface. 2018; 16: 132-8[76]

⁵ Tighe S. (2018) Use of Amniotic Membrane in Corneal Ulcers with or without Neurotrophic Keratitis. 2018 ASCRS/ASOA Symposium and Congress. Paper.[149]

⁶ Brocks D, Mead OG, Tighe S, Tseng SC. Self-Retained Cryopreserved Amniotic Membrane for the Management of Corneal Ulcers. Clinical Ophthalmology. 2020 May 26; 14:1437-43.[146]

⁷ Yin HY, Cheng AM, Tighe S, Kurochkin P, Nord J, Dhanireddy S, Swan R, Alpert S. Self-retained cryopreserved amniotic membrane for treating severe corneal ulcers: a comparative, retrospective control study. Scientific Reports. 2020 Oct 12;10(1):1-5.[145]

⁸ Yeu E, Tighe S, Sheha H. Optimizing ocular surface prior to Cataract Surgery. 2017 AAO, New Orleans, LA.

⁹ Sheha H, Tighe S. (2018) Self-Retained Amniotic Membrane for Epithelial Basement Membrane Dystrophy. 2018 ASCRS/ASOA Symposium and Congress. Poster.[150]

¹⁰ Cheng AMS and Tseng SCG. Self-Retained Amniotic Membrane Combined with Antiviral Therapy for Herpetic Epithelial Keratitis. Cornea. 2017; 36: 1383-6.[161]

¹¹ Doll T. Cryopreserved Amniotic Membrane, Autologous Serum Eye Drops, and Tea-Tree Oil Lid Scrubs in combination for the treatment of Keratoconjunctivitis in a Staphylococcus Hypersensitive Teenager. Journal of Dry Eye Disease. 2017; 1: e1-e10.[162]

¹² Sheha H, Tighe S, Cheng AMS and Tseng SCG. A stepping-stone in treating dendritic keratitis. American Journal of Ophthalmology Case Reports. 2017; 7: 55-8.[163]

¹³ Harthan J and A Sicks L. Sutureless Amniotic Membranes (Prokera) for Filamentary Keratitis: A Case Series. Journal of Dry Eye and Ocular Surface Disease. 2019; 2: e10-e6.[164]

Severe Dry Eye:

¹ Cheng AM, Zhao D, Chen R, et al. Accelerated restoration of ocular surface health in dry eye disease by self-retained cryopreserved amniotic membrane. Ocul Surf. 2016;14(1):56-63.

² Cheng AM, Zhao D, Chen R, et al. Accelerated Restoration of Ocular Surface Health in Dry Eye Disease by Self- Retained Cryopreserved Amniotic Membrane. The Ocular Surface. 2016; 14: 56-63[121]

³ John T, Tighe S, Sheha H, et al. Corneal Nerve Regeneration after Self- Retained Cryopreserved Amniotic Membrane in Dry Eye Disease. Journal of Ophthalmology. 2017; 2017: 6404918[75]

⁺ McDonald MB, Sheha H, Tighe S, et al. Treatment outcomes in the Dry Eye Amniotic Membrane (DREAM) study. Journal of Clinical Ophthalmology (Auckland, NZ). 2018; 12: 677-81[119]

⁵ Morkin MI and Hamrah P. Efficacy of self- retained cryopreserved amniotic membrane for treatment of neuropathic corneal pain. The Ocular Surface. 2018; 16: 132-8[76]

⁶ Tighe S. (2018) Use of Amniotic Membrane in Corneal Ulcers with or without Neurotrophic Keratitis. 2018 ASCRS/ASOA Symposium and Congress. Paper.[149]

⁷ Brocks D, Mead OG, Tighe S, Tseng SC. Self-Retained Cryopreserved Amniotic Membrane for the Management of Corneal Ulcers. Clinical Ophthalmology. 2020 May 26; 14:1437-43.[146]

⁸ Yin HY, Cheng AM, Tighe S, Kurochkin P, Nord J, Dhanireddy S, Swan R, Alpert S. Self-retained cryopreserved amniotic membrane for treating severe corneal ulcers: a comparative, retrospective control study. Scientific Reports. 2020 Oct 12;10(1):1-5.[145]
 ⁹ Yeu E, Tighe S, Sheha H. Optimizing ocular surface prior to Cataract Surgery. 2017 AAO, New Orleans, LA.

¹⁰ Sheha H, Tighe S. (2018) Self-Retained Amniotic Membrane for Epithelial Basement Membrane Dystrophy. 2018 ASCRS/ASOA Symposium and Congress. Poster.[150]

¹¹ Cheng AMS and Tseng SCG. Self-Retained Amniotic Membrane Combined with Antiviral Therapy for Herpetic Epithelial Keratitis. Cornea. 2017; 36: 1383-6.[161]

¹² Doll T. Cryopreserved Amniotic Membrane, Autologous Serum Eye Drops, and Tea-Tree Oil Lid Scrubs in combination for the treatment of Keratoconjunctivitis in a Staphylococcus Hypersensitive Teenager. Journal of Dry Eye Disease. 2017; 1: e1-e10.[162]
 ¹³ Sheha H, Tighe S, Cheng AMS and Tseng SCG. A stepping-stone in treating dendritic keratitis. American Journal of Ophthalmology Case Reports. 2017; 7: 55-8.[163]

¹⁴ Harthan J and A Sicks L. Sutureless Amniotic Membranes (Prokera) for Filamentary Keratitis: A Case Series. Journal of Dry Eye and Ocular Surface Disease. 2019; 2: e10-e6.[164]

Studies for other conditions

Please contact BioTissue Medical Affairs to obtain additional studies related to other conditions. Medical Affairs can be reached at this email: <u>MedicalAffairs@tissuetechinc.com</u>.

Sample Prior Authorization Request Letter

Diagnosis: Punctate Keratitis

Please include physician letterhead on Prior Authorization Letters

[Date]

[Payer Contact]

[Title]

[Address]

[City, State, Zip]

Re: [Patient Name]

[Patient Identification Number]

[Date of Service]

Dear [Payer Contact]:

I am writing on behalf of my patient, [patient's name], to request prior authorization for the use of Prokera[®] for the treatment of their punctate keratitis. To date, [include tried therapies] have been tried in an attempt to resolve [patient's name] condition, but all have failed. My patient's eye condition is deteriorating, and they are at risk of further corneal ulceration or perforation. As such, I believe Prokera is a medically necessary next logical step in their treatment protocol, to provide them relief from the symptoms associated with this disease, heal their cornea, and restore their quality of life.

Patient History

[Patient History, including additional rationale as to why this is the preferred treatment option to treat the condition of this patient (i.e., patient is not a surgical candidate). Physician may also want to expand upon his/her experience with prior use of Prokera.]

Prokera is an ophthalmic conformer containing a piece of cryopreserved amniotic membrane graft fastened into a ring system. This ring sits on the ocular surface like a symblepharon ring, and the stromal side of the cryopreserved amniotic membrane is in contact with the corneal surface and limbal area. The Prokera cryopreserved amniotic membrane provides natural therapeutic biologic actions that include reduction in scarring, blood vessel formation, and inflammation, while promoting the healing of the ocular surface. The ring also helps maintain space in the orbital cavity and to prevent conjunctival closure or adhesions. Prokera was cleared by the FDA as a Class II Medical Device in 2003— nearly 20 years ago. It is indicated and has successfully been treating ocular surface damage and inflamed stroma for many years and is considered a standard of care.

The placement of Prokera is reported with the Category I CPT code 65778 (Placement of amniotic membrane on the ocular surface; without sutures) which was established in 2011 by the AMA. The establishment of a Category I code indicates that a technology meets the following criteria:

• All devices and drugs necessary for performance of the procedure of service have received FDA clearance or approval when such is required for performance of the procedure or service.

- The procedure or service is performed by many physicians or other qualified health care professionals across the United States;
- The procedure or service is performed with frequency consistent with the intended clinical use (i.e., a service for a common condition should have high volume, whereas a service commonly performed for a rare condition may have low volume);
- The procedure or service is consistent with current medical practice; and
- The clinical efficacy of the procedure or service is <u>documented in literature</u>, and it meets the requirements set forth in the CPT code change application.¹

Advantages of covering the use of Prokera to treat my patient's PUNCTATE KERATITIS include the fact that Prokera does not require sutures to deliver the therapeutic benefits. The advantage of a sutureless approach is that it facilitates easier treatment because it can be performed in the office setting instead of in a surgical facility, thereby providing convenience and cost savings. This sutureless procedure is performed nationwide by both ophthalmologists and optometrists to treat various ocular surface disorders, and is covered by Medicare, and many major commercial carriers, such as Aetna, Blue Cross Blue Shield, Humana, etc. It has long been recognized as a standard of care to treat diseases that cause ocular surface damage or inflammation.

Published Clinical Evidence

A retrospective review of Prokera device was reported by Cheng et al., 2018 which assessed a 48-year-old patient with a ten-year history of rheumatoid arthritis under systemic immunomodulation developed non-resolved severe ocular dryness, pain, photophobia, recurrent diffuse superficial punctate keratitis (SPK), and blurred vision due to corneal epithelial keratopathy OD much worse than OS despite topical artificial tears, steroids, cyclosporine, autologous serum drops, punctal plugs and scleral lens for the last three years. Over the course of the first year, this patient was treated with punctal cauterization and a total of 6 CAM (Prokera Slim (PKS)), each for an average of 7.2 ± 2.3 days, for their recurrent diffuse superficial punctate keratitis (SPK) with filaments. During the first year, the average symptom-free period was 2.4 ± 0.9 months and visual acuity improvement from 20/400 to 20/200. During the next two years, she received surgical closure of puncta for recurrent punctal reopening, additional systemic immunomodulation and a total of four CAM (PKS), each for an average of 8.5 ± 2 days, for recurrent scattered SPK. By years two and three, she achieved an average symptom-free period of 6.4 ± one month and visual acuity improvement from 20/200 to 20/70. xⁱ

In a clinical study published in August 2017, Thomas John, MD conducted a prospective randomized clinical trial that compared the use of Prokera to conventional maximum treatment. The overall dry eye symptoms including discomfort and visual disturbances were significantly improved in the study group over the course of the study yet remained constant in the control group. The study group demonstrated a significant increase in corneal nerve density (12,241 ± $5083 \mu m/mm^2$ at baseline, $16,364 \pm 3734 \mu m/mm^2$ at 1 month, and $18,827 \pm 5453 \mu m/mm^2^2$ at 3 months, p = 0.015). This was accompanied by an increase in corneal sensitivity (3.25 ± 0.6 cm at baseline, 5.2 ± 0.5 cm at 1 month, and 5.6 ± 0.4 cm at 3 months, p < 0.001) and corneal topography. The control group, however, remained unchanged.^{xii}

The references provided above support the safety and efficacy of the use of human amniotic membrane without sutures for several ocular indications, including punctate keratitis. Even nerve regeneration was reported because of treatment with Prokera. The attached patient records support their medical necessity of this treatment. We ask that you authorize

¹ https://www.ama-assn.org/practice-management/criteria-cpt-category-i-and-category-iii-codes

the use of Prokera on this patient based on their medical necessity and the proven safety and efficacy of human amniotic membrane without sutures for ocular use, so we may move forward with the procedure. If you have any questions or require additional information regarding the procedure or patient, please do not hesitate to contact me.

Sincerely,

[Physician Name] [Email] [Phone]

¹⁹ Sheha H, Tighe S. (2018) Self-Retained Amniotic Membrane for Epithelial Basement Membrane Dystrophy. 2018 ASCRS/ASOA Symposium and Congress. Poster.[150] ¹⁰ Cheng AMS and Tseng SCG. Self-Retained Amniotic Membrane Combined with Antiviral Therapy for Herpetic Epithelial Keratitis. Cornea. 2017; 36: 1383-6.[161]

^{viii} Doll T. Cryopreserved Amniotic Membrane, Autologous Serum Eye Drops, and Tea-Tree Oil Lid Scrubs in combination for the treatment of Keratoconjunctivitis in a Staphylococcus Hypersensitive Teenager. Journal of Dry Eye Disease. 2017; 1: e1-e10.[162]

¹ Morkin MI and Hamrah P. Efficacy of self- retained cryopreserved amniotic membrane for treatment of neuropathic corneal pain. The Ocular Surface. 2018; 16: 132-8[76]

Tighe S. (2018) Use of Amniotic Membrane in Corneal Ulcers with or without Neurotrophic Keratitis. 2018 ASCRS/ASOA Symposium and Congress. Paper.[149]
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^v Yeu E, Tighe S, Sheha H. Optimizing ocular surface prior to Cataract Surgery. 2017 AAO, New Orleans, LA.

^{is} Sheha H, Tighe S, Cheng AMS and Tseng SCG. A stepping-stone in treating dendritic keratitis. American Journal of Ophthalmology Case Reports. 2017; 7: 55-8.[163] ^{*} Harthan J and A Sicks L. Sutureless Amniotic Membranes (Prokera) for Filamentary Keratitis: A Case Series. Journal of Dry Eye and Ocular Surface Disease. 2019; 2: e10e6.[164]

^{xi} Cheng AMS, Tighe S, Sheha H and Tseng SCG. Adjunctive role of self-retained cryopreserved amniotic membrane in treating immune-related dry eye disease. International Ophthalmology. 2018;38: 2219-22[122]

⁴¹ John T, Tighe S, Sheha H, et al. Corneal Nerve Regeneration after Self-Retained Cryopreserved Amniotic Membrane in Dry Eye Disease. J Ophthalmology 2017; Volume 2017, Article ID 6404918, 10 pages. <u>https://doi.org/10.1155/2017/6404918</u>

Sample Prior Authorization Request Letter

Diagnosis: Neurotrophic Keratitis

Please include physician letterhead on Prior Authorization Letters

[Date]

[Payer	Contact]
[Title]	
[Addres	ss]
[<mark>City,</mark> S	tate, Zip]
Re:	[Patient Name]
	[Patient Identification Number]

[Date of Service]

Dear [Payer Contact]:

I am writing on behalf of my patient, [Insert patient name], to request [Payer name] cover the use of Prokera[®] to treat their neurotrophic keratitis (NK).

Patient History

As you know, this patient has a long history of [dry eye, incomplete blinking, etc.—ADD PATIENT-SPECIFIC HISTORY that led to NK]. If allowed to progress, my patient's extreme neurotrophic keratitis and dry eyes is in danger of developing into perforated corneal ulcers. To date, [list previous treatments tried and failed] have been tried to resolve [patient's name] condition, but all have failed. As they have decreasing corneal sensation and worsening symptoms, I determined that they require the application of a Prokera amniotic membrane. This patient has a severe case of neurotrophic keratitis that studies show can get clinically significant benefits from the Prokera application.

[Additional patient history, including rationale as to why this is the preferred treatment option to treat the condition of this patient (i.e., patient is not a surgical candidate). Physician may also want to expand upon his/her experience with prior use of Prokera.]

Neurotrophic keratitis is a corneal degenerative disease characterized by a reduction or absence of corneal sensitivity. In neurotrophic keratitis, corneal innervation by the trigeminal nerve is impaired. Partial or complete loss of corneal sensation may result in epithelial keratopathy, epithelial defect, stromal ulceration, and eventually corneal perforation. Clinical presentation of neurotrophic keratitis ranges from subtle corneal surface irregularities to corneal melting and perforation.

The management of neurotrophic keratitis is required to promote corneal healing and avoid complications. Unlike many treatments, Prokera is inserted by a medical professional, and stays in the eye for 3-30 days depending on physician recommendation. It does not require the patient to administer drops or other medications to the eye at two-hour intervals, over the course of eight weeks, etc., so patient compliance is expected to be greater.

Published Clinical Evidence

Additionally, in a prospective, randomized clinical trial by Thomas John, MD published in the Journal of Ophthalmology in 2017, 20 subjects with dry eye disease were randomly assigned to receive PKS in one eye (n=10) or conventional treatment (n=10). For the study group, PKS was inserted in the office under topical anesthesia with 0.5 percent proparacaine hydrochloride eye drops. After placement, the subjects were asked to continue topical medications as needed and return three to five days later to remove the PKS. Subjects in the control group were asked to continue their conventional maximum treatment throughout the duration of the study including artificial tears, cyclosporine A, serum tears, antibiotics, steroids, and nonsteroidal anti-inflammatory medications. The results of that trial showed that in the study group pain score, Standard Patient Evaluation of Eye Dryness Questionnaire (SPEED) score, corneal staining score, and Dry Eye Workshop (DEWS) score all significantly decreased from baseline at both one and three months (p<0.05). In contrast, none of these showed significant improvement in the control group. **IVCM showed a significant increase in corneal nerve density in the study group** (12,241±5083 μ m/mm² at baseline, 16,364±3734 μ m/mm² at one month, and 18,827±5453 μ m/mm² at three months, p = 0.015) but was unchanged in the control. This improvement was accompanied with a significant increase in corneal sensitivity (3.25±0.6 cm at baseline, 5.2±0.5 cm at one month, and 5.6±0.4 cm at three months, p < 0.001) and corneal topography only in the study group.^{xi}

Other clinical evidence to support the effectiveness of using Prokera to treat different corneal diseases including neurotrophic keratitis is listed in the endnote. Many patients received a significant clinical benefit from even one application of Prokera. For this reason, I have determined that Prokera would be the next logical step toward treating my patient.

Based on the information provided, and on behalf of [patient's name], I am asking that you allow coverage for the Prokera, so your member may be treated and receive the same clinical benefits that others have received from Prokera. With this treatment, we expect dramatic improvements in their symptoms that they would not have had without Prokera.

Should you require additional information, please do not hesitate to contact my office at the information below.

Sincerely,

[Doctor Name] [Title/Specialty] [Email address]

¹ Morkin MI and Hamrah P. Efficacy of self- retained cryopreserved amniotic membrane for treatment of neuropathic corneal pain. The Ocular Surface. 2018; 16: 132-8[76]

^{II} Tighe S. (2018) Use of Amniotic Membrane in Corneal Ulcers with or without Neurotrophic Keratitis. 2018 ASCRS/ASOA Symposium and Congress. Paper. [149] ^{III} Brocks D, Mead OG, Tighe S, Tseng SC. Self-Retained Cryopreserved Amniotic Membrane for the Management of Corneal Ulcers. Clinical Ophthalmology. 2020 May 26;

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¹^v Yin HY, Cheng AM, Tighe S, Kurochkin P, Nord J, Dhanireddy S, Swan R, Alpert S. Self-retained cryopreserved amniotic membrane for treating severe corneal ulcers: a comparative, retrospective control study. Scientific Reports. 2020 Oct 12;10(1):1-5.[145]

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^{viii} Doll T. Cryopreserved Amniotic Membrane, Autologous Serum Eye Drops, and Tea-Tree Oil Lid Scrubs in combination for the treatment of Keratoconjunctivitis in a

Staphylococcus Hypersensitive Teenager. Journal of Dry Eye Disease. 2017; 1: e1-e10.[162]

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^{at} John T, Tighe S, Sheha H, et al. Corneal Nerve Regeneration after Self- Retained Cryopreserved Amniotic Membrane in Dry Eye Disease. Journal of Ophthalmology. 2017; 2017: 6404918[75]

Sample Prior Authorization Request Letter

Diagnosis: Recurrent Corneal Erosion

Please include physician letterhead on Prior Authorization Letters

[Date]

[Payer Contact]
[Title]
[Address]
[City, State, Zip]
Re: [Patient Name]
[Patient Identification Number]

[Date of Service]

Dear [Payer Contact]:

I am writing on behalf of my patient, [Insert patient name], to request [Payer name] cover the use of Prokera[®] to treat their Recurrent Corneal Erosion (RCE).

Patient History

As you know, this patient has a long history of [dry eye, incomplete blinking, etc.—ADD PATIENT-SPECIFIC HISTORY that led to RCE]. If allowed to progress, my patient's Recurrent Corneal Erosion is in danger of developing additional complications including perforated corneal ulcers. To prevent progression, I have determined that they require the application of a Prokera amniotic membrane. This patient has a severe case of Recurrent Corneal Erosion that studies show, can get clinically significant benefits from the Prokera application.

[Additional patient history, including rationale as to why this is the preferred treatment option to treat the condition of this patient (i.e., patient is not a surgical candidate). Physician may also want to expand upon his/her experience with prior use of Prokera.]

Recurrent corneal erosion is a common cause of disabling ocular symptoms and predisposes the cornea to infection. In this condition the surface skin of the cornea (the clear window of the eye) breaks down, causing sharp pain, watering, and sometimes blurred vision. It may be due to a previous mild injury (corneal abrasion) or to a condition known as a dystrophy in which the surface of the cornea is unusually delicate. The condition may recur over weeks or months. In the case of this patient, they developed RCE over [xxx weeks/ months/ years, etc.] and since onset, we have treated it by reducing friction between the eye and the eyelids, using [list treatments, i.e., lubricating drops and/or ointments], to encourage complete healing of the eye surface. Unfortunately, other measures are needed, as previous treatments have failed and not offered full resolution of the RCE.

It is my professional opinion that to prevent further progression, this patient requires the application of Prokera to treat their corneal erosion.

Published Clinical Evidence

There are many clinical publications supporting the use of Prokera to treat numerous ocular diseases including recurrent corneal erosion, neurotrophic keratitis, corneal ulcers and melts, Stevens Johnson syndrome, and persistent epithelial defects.

In a retrospective series by Huang YS published in the Journal of Clinical and Experimental Ophthalmology, 11 eyes of nine consecutive patients with recurrent corneal erosion received epithelial debridement and placement of Prokera. After debridement and placement of Prokera, complete epithelialization was noted in all eyes in four to seven days. During the follow up of 13.7 ± 2.2 months, one eye recurred and required repeated treatment. Afterwards, all eyes were asymptomatic and regained a smooth and stable corneal epithelium. Best-corrected visual acuity was improved to at least 20/30 in all six eyes complaining of blurry vision and involving the visual axis.¹

In a Prospective comparative study over one month, Dr NR Desai, did a comparison of cryopreserved amniotic membrane and bandage contact lens in their ability to provide high-quality healing after superficial keratectomy. Superficial keratectomy was performed at slit lamp for ten patients with either bilateral recurrent erosion syndrome (RES), epithelial basement membrane disease, or Salzmann nodular degeneration. The eye with more severe disease was treated with PKS, while the eye with less severe disease was treated with bandage contact lens (BCL). Both treatment groups received the same regimen of topical drops. Treatment with PKS resulted in complete re- epithelialization of corneal wounds faster than with BCL, in a net gain of two lines of best corrected visual acuity (BCVA) compared with a net loss of BCVA with BCL at day 30, and in wound healing without sub-epithelial hazing or scarring frequently seen with BCL. There was one adverse event in the BCL-treated eye during the study and none in the PKS-treated eyes. There was no statistical significance in pain or discomfort between PKS and BCL (P=0.368).[#]

There are many clinical publications supporting the use of Prokera® to treat Recurrent Corneal Erosion (RCE), neurotrophic keratitis, corneal ulcers and melts, Stevens Johnson syndrome, and persistent epithelial defects.^{III,iv,v,vI,vII,VII,IX,x,xI,XII}

Based on the information provided, and on behalf of [patient's name], I am asking that you allow coverage for the Prokera to treat their recurrent corneal erosion, so your member may receive the same clinical benefits that others have received with the use of Prokera. With this treatment, we expect dramatic improvements in their symptoms that they would not achieve without treatment with Prokera.

Should you require additional information, please do not hesitate to contact my office at the information below.

Sincerely,

[Doctor Name] [Title/Specialty] [Email address]

^{III} Morkin MI and Hamrah P. Efficacy of self- retained cryopreserved amniotic membrane for treatment of neuropathic corneal pain. The Ocular Surface. 2018; 16: 132-8[76]

¹ Huang YS, H; Tseng S.G. Self-retained Amniotic Membrane Transplantation for Recurrent Corneal Erosion. Journal of Clinical and Experimental Ophthalmology. 2013; 4:272.[155]

¹¹ Desai NR. A comparison of cryopreserved amniotic membrane and bandage contact lens in their ability to provide high- quality healing after superficial keratectomy. Review of Ophthalmology. 2014.[152]

¹ Tighe S. (2018) Use of Amniotic Membrane in Corneal Ulcers with or without Neurotrophic Keratitis. 2018 ASCRS/ASOA Symposium and Congress. Paper.[149] ² Brocks D, Mead OG, Tighe S, Tseng SC. Self-Retained Cryopreserved Amniotic Membrane for the Management of Corneal Ulcers. Clinical Ophthalmology. 2020 May 26; 14:1437-43.[146]

^{vi} Yin HY, Cheng AM, Tighe S, Kurochkin P, Nord J, Dhanireddy S, Swan R, Alpert S. Self-retained cryopreserved amniotic membrane for treating severe corneal ulcers: a comparative, retrospective control study. Scientific Reports. 2020 Oct 12;10(1):1-5.[145]

vii Yeu E, Tighe S, Sheha H. Optimizing ocular surface prior to Cataract Surgery. 2017 AAO, New Orleans, LA.

[📲] Sheha H, Tighe S. (2018) Self-Retained Amniotic Membrane for Epithelial Basement Membrane Dystrophy. 2018 ASCRS/ASOA Symposium and Congress. Poster.[150]

¹⁶ Cheng AMS and Tseng SCG. Self-Retained Amniotic Membrane Combined with Antiviral Therapy for Herpetic Epithelial Keratitis. Cornea. 2017; 36: 1383-6.[161] ¹⁶ Doll T. Cryopreserved Amniotic Membrane, Autologous Serum Eye Drops, and Tea-Tree Oil Lid Scrubs in combination for the treatment of Keratoconjunctivitis in a Staphylococcus Hypersensitive Teenager. Journal of Dry Eye Disease. 2017; 1: e1-e10.[162]

^{*} Sheha H, Tighe S, Cheng AMS and Tseng SCG. A stepping-stone in treating dendritic keratitis. American Journal of Ophthalmology Case Reports. 2017; 7: 55-8.[163] * Harthan J and A Sicks L. Sutureless Amniotic Membranes (Prokera) for Filamentary Keratitis: A Case Series. Journal of Dry Eye and Ocular Surface Disease. 2019; 2: e10e6.[164]

Sample Prior Authorization Request Letter

Diagnosis: Persistent Epithelial Defect

Please include physician letterhead on Prior Authorization Letters

[Date]

[Payer Contact] [Title] [Address] [City, State, Zip] Re: [Patient Name] [Patient Identification Number]

[Date of Service]

Dear [Payer Contact]:

I am writing on behalf of my patient, [Insert patient name], to request [Payer name] cover the use of Prokera[®] to treat their Persistent Epithelial Defect (PED).

Patient History

As you know, this patient has a long history of [dry eye, incomplete blinking, etc.—ADD PATIENT-SPECIFIC HISTORY that has now progressed into PED]. If left untreated, PEDs can result in significant complications, including infection and vision loss. To date, [list previous treatments tried and failed] have been tried in an attempt to resolve [patient's name] condition, but all have failed. As my patient suffers a non-healing, or persistent, epithelial defect, it is causing them [compromised vision, ocular discomfort, etc. ADD PT-SPECIFIC SYMPTOMS HERE]. This non-healing corneal epithelial defect can have other deleterious consequences, including infection, scarring, melting, and perforation. Therefore, I have determined that they require the application of a Prokera amniotic membrane. Prokera will help restore my patient's cornea and return their eye to a normal, healthy state. Prokera which contains an essential effector protein complex, helps rapidly restore the cornea's own healing capabilities through regenerative healing. Studies have shown that Prokera can accelerate healing and offer clinically significant benefits with application.¹

[Additional patient history, including rationale as to why this is the preferred treatment option to treat the condition of this patient (i.e., patient is not a surgical candidate). Physician may also want to expand upon their experience with prior use of Prokera.]

In a retrospective case-control study of 24 eyes published in Scientific Reports, Oct 12, 2020, all patients received Standard of Care (SOC) including corneal scraping and microbial culture before broad-spectrum antimicrobial antibiotics. Once culture confirmed, target antimicrobial therapy was given. 11 patients received Prokera Slim (PKS) in addition to SOC. PKS left for at least 5 days. The results for patients with placement of PKS had significantly faster epithelialization within 3.56 ± 1.78 weeks vs 5.87 ± 2.20 weeks (p=0.01). Placement of PKS helped achieve improved epithelialization rates (72.7% vs 23.1% p=0.04). PKS group had clinically significant BCSVA (>3 lines) improvement (81.8% vs 38.4%, p=0.047) compared to SOC. PKS group had clinically significant total VA improvement (logMAR 0.7 ± 0.6 vs 1.6 ± 0.9 , p=0.016) compared to SOC. Some complaints of foreign body sensation.[#]

In a retrospective review published in May 2020, 13 eyes of 13 Pts with recalcitrant corneal ulcers, 9 (69%) of which progressed from neurotrophic keratitis (NK), were treated with Prokera. These patients had failed conventional treatments including artificial tears (n = 11), antibiotics (n = 11), ointment (n = 11), steroids (n = 6), and antivirals (n = 3).

Follow-ups were of ≥6 mo. Self-retained cryopreserved amniotic membrane (Prokera Slim) was placed for 6.8 ± 3.4 days with antibiotics. 3 cases (31%) were subsequently treated with bandage contact lens (BCL) and 1 case was subsequently treated with tarsorrhaphy. The mean number of devices was 1.5 ± 0.8. The result: 13/13 ulcers healed in a median of 14 d (range 4-43). Significant improvements in discomfort, corneal staining, and corneal signs at 1 w, 1 mo, 3 mo, and 6 mo (p < 0.05). One case of recurrence. No adverse effects.^{III}

There are many clinical publications supporting the use of Prokera[®] to treat Persistent Epithelial Defect (PED), recurrent corneal erosion (RCE), neurotrophic keratitis, corneal ulcers and melts, and Stevens Johnson syndrome.^{iv,v,vi,vii,vii,i,ix,x,i,xii,xii}

Based on those studies and information included in this correspondence, on behalf of [patient's name], I am asking that you allow coverage for the Prokera to treat their persistent epithelial defect, so your member may receive the same clinical benefits that others have received with the use of Prokera. With this treatment, we expect dramatic improvements in their symptoms that they would not achieve without treatment with Prokera.

Should you require additional information, please do not hesitate to contact my office at the information below.

Sincerely,

[Doctor Name]

[Title/Specialty]

[Email address]

¹ Cheng AM, Zhao D, Chen R, et al. Accelerated restoration of ocular surface health in dry eye disease by self-retained cryopreserved amniotic membrane. Ocul Surf. 2016;14(1):56-63.

^{II} Yin HY, Cheng AM, Tighe S, Kurochkin P, Nord J, Dhanireddy S, Swan R, Alpert S. Self-retained cryopreserved amniotic membrane for treating severe corneal ulcers: a comparative, retrospective control study. Scientific Reports. 2020 Oct 12;10(1):1-5.[145]

^{III} Brocks D, Mead OG, Tighe S, Tseng SC. Self-Retained Cryopreserved Amniotic Membrane for the Management of Corneal Ulcers. Clinical Ophthalmology. 2020 May 26; 14:1437-43.[146]

¹⁶ Morkin MI and Hamrah P. Efficacy of self- retained cryopreserved amniotic membrane for treatment of neuropathic corneal pain. The Ocular Surface. 2018; 16: 132-8[76] ¹ Tighe S. (2018) Use of Amniotic Membrane in Corneal Ulcers with or without Neurotrophic Keratitis. 2018 ASCRS/ASOA Symposium and Congress. Paper.[149]

⁴⁷ Brocks D, Mead OG, Tighe S, Tseng SC. Self-Retained Cryopreserved Amniotic Membrane for the Management of Corneal Ulcers. Clinical Ophthalmology. 2020 May 26; 14:1437-43.[146]

^{vii} Yin HY, Cheng AM, Tighe S, Kurochkin P, Nord J, Dhanireddy S, Swan R, Alpert S. Self-retained cryopreserved amniotic membrane for treating severe corneal ulcers: a comparative, retrospective control study. Scientific Reports. 2020 Oct 12;10(1):1-5.[145]

[🖷] Yeu E, Tighe S, Sheha H. Optimizing ocular surface prior to Cataract Surgery. 2017 AAO, New Orleans, LA.

¹⁶ Sheha H, Tighe S. (2018) Self-Retained Amniotic Membrane for Epithelial Basement Membrane Dystrophy. 2018 ASCRS/ASOA Symposium and Congress. Poster.[150] ¹ Cheng AMS and Tseng SCG. Self-Retained Amniotic Membrane Combined with Antiviral Therapy for Herpetic Epithelial Keratitis. Cornea. 2017; 36: 1383-6.[161]

^{xi} Doll T. Cryopreserved Amniotic Membrane, Autologous Serum Eye Drops, and Tea-Tree Oil Lid Scrubs in combination for the treatment of Keratoconjunctivitis in a Staphylococcus Hypersensitive Teenager. Journal of Dry Eye Disease. 2017; 1: e1-e10.[162]

^{***} Sheha H, Tighe S, Cheng AMS and Tseng SCG. A stepping-stone in treating dendritic keratitis. American Journal of Ophthalmology Case Reports. 2017; 7: 55-8.[163]
*** Harthan J and A Sicks L. Sutureless Amniotic Membranes (Prokera) for Filamentary Keratitis: A Case Series. Journal of Dry Eye and Ocular Surface Disease. 2019; 2: e10-e6.[164]

Sample Prior Authorization Request Letter

Diagnosis: Severe Dry Eye

Please include physician letterhead on Prior Authorization Letters

[Date]

<mark>[Paye</mark> i	r Contact]
[Title]	
[Addre	ess]
[City,	State, Zip]
Re:	[Patient Name]
	[Patient Identification Number]

[Date of Service]

Dear [Payer Contact]:

I am writing on behalf of my patient, [Insert patient name], to request [Payer name] cover the use of Prokera[®] to treat their symptoms of Severe Dry Eye.

Patient History

As you know, this patient has a long history of [dry eye, incomplete blinking, etc.—ADD PATIENT-SPECIFIC HISTORY] and now suffers severe dry eye. If left untreated, their dry eye symptoms can result in significant complications, including eye infection, damage to the surface of the eyes, and decreased quality of life. To date, [list previous treatments tried and failed] have been tried to resolve [patient's name] condition, but all have failed. As my patient suffers from severe dry eye, it is causing them [compromised vision, ocular discomfort, etc. ADD PT-SPECIFIC SYMPTOMS HERE]. Therefore, I have determined that they require the application of a Prokera[®] amniotic membrane. Prokera will help restore my patient's cornea and return their eye to a normal, healthy state, thereby relieving them of the symptoms of severe dry eye. Prokera which contains an essential effector protein complex, helps rapidly restore the cornea's own healing capabilities through regenerative healing. Studies have shown that Prokera can accelerate healing and offer clinically significant benefits with application.ⁱ

[Additional patient history, including rationale as to why this is the preferred treatment option to treat the condition of this patient (i.e., patient is not a surgical candidate). Physician may also want to expand upon their experience with prior use of Prokera.]

In a retrospective study published in 2016, ten patients were treated with Prokera Slim (PKS), a self-retained cryopreserved amniotic membrane for moderate-to-severe dry eye refractory to conventional maximal medical treatments. Patients' symptoms, use of medications, conjunctival inflammation, corneal staining, and visual acuity were compared before and after treatment. **The result** showed PKS was placed in 15 eyes of the ten patients for 4.9 ± 1.5 days. All patients experienced symptomatic relief for a period of 4.2 ± 4.7 months (p<.001). Such improvement was accompanied by reduction of OSDI scores (p<.001), use of topical medications (p<.001), conjunctival hyperemia (p<.001), corneal staining (p<.001), and improvement of the visual acuity (p=.06). Linear regression analysis estimated that the optimal duration of PKS placement was five days to achieve an average symptom-free duration of four months in patients with dry eye. Surprisingly, PKS placement also generated improvement in the contralateral eyes.[#]

In a three-month, randomized clinical trial, published in the Journal of Ophthalmology in 2017, 20 subjects with dry eye disease were randomly assigned to receive PKS in one eye (n=10) or conventional treatment (n=10). For the study group, PKS was inserted in the office under topical anesthesia with 0.5 percent proparacaine hydrochloride eye drops. After placement, the subjects were asked to continue topical medications as needed and return three to five days later to

remove the PKS. Subjects in the control group were asked to continue their conventional maximum treatment throughout the duration of the study including artificial tears, cyclosporine A, serum tears, antibiotics, steroids, and nonsteroidal anti-inflammatory medications. During the trial, changes in signs and symptoms (VAS pain, SPEED questionnaire, DEWS), corneal sensitivity, topography, and in vivo confocal microscopy (IVCM) were evaluated at baseline, one month, and three months. **The results:** In the study group pain score, SPEED score, corneal staining score, and DEWS score all significantly decreased from baseline at both one and three months (p<0.05). In contrast, none of these showed significant improvement in the control group. IVCM showed a significant increase in corneal nerve density in the study group (12,241±5083 µm/mm² at baseline, 16,364±3734 µm/mm² at one month, and 18,827±5453 µm/mm² at three months, p = 0.015) but was unchanged in the control. This improvement was accompanied with a significant increase in corneal sensitivity (3.25±0.6 cm at baseline, 5.2±0.5 cm at one month, and 5.6±0.4 cm at three months, p < 0.001) and corneal topography only in the study group.^{III}

Another retrospective study over three months reviewed the medical records of patients with dry eye disease (DED) associated with ocular surface disorders who were treated with cryopreserved amniotic membrane (CAM) as a temporary bandage (PKS before June 1, 2016, and completed one week, one month and three months of follow-up were reviewed. Inclusion criteria also included subjects aged 21 years and older who had moderate- to-severe DED, grades two to four, as defined by the Report of the International Dry Eye Workshop (DEWS). A total of 97 eyes of 84 patients that exhibited severe dry eye (DEWS 3.25±0.5) despite maximal medical treatments received AM placement (PKS). Patients manifested with superficial punctate keratitis (86 percent), filamentary keratitis (13 percent), exposure keratitis (19 percent), neurotrophic keratitis (two percent, and corneal epithelial defect (seven percent). The primary outcome was the change in dry eye workshop (DEWS) score after treatment. After CAM treatment for 5.4±2.8 days, 74 (88 percent) patients demonstrated an improved ocular surface along with a notable reduction of the severity as the overall DEWS score was significantly reduced from 3.25±0.5 at baseline to 1.4±±0.6 at one week, 1.45±0.6 at one month, and 1.47±0.6 at three months (p<0.001). Ten eyes (ten percent) required repeated treatment to complete healing. Apart from discomfort during CAM placement, there were no adverse events.¹

There are many clinical publications supporting the use of Prokera to treat Dry Eye Disease (DED), recurrent corneal erosion (RCE), neurotrophic keratitis, corneal ulcers and melts, and Stevens Johnson syndrome, etc.^{v,vi,vii,viii,ix,x,xi,xii,xiii,xii}

Based on those studies and information included in this correspondence, and on behalf of [patient's name], I am asking that you allow coverage for the Prokera to treat their severe dry eye, so your member may receive the same clinical benefits that others have received with the use of Prokera. With this treatment, we expect dramatic improvements in their symptoms that they would not achieve without treatment with Prokera.

Should you require additional information, please do not hesitate to contact my office at the information below.

Sincerely,

[Doctor Name]

[Title/Specialty]

[Email address]

¹ Cheng AM, Zhao D, Chen R, et al. Accelerated restoration of ocular surface health in dry eye disease by self-retained cryopreserved amniotic membrane. Ocul Surf. 2016;14(1):56-63.

^{II} Cheng AM, Zhao D, Chen R, et al. Accelerated Restoration of Ocular Surface Health in Dry Eye Disease by Self- Retained Cryopreserved Amniotic Membrane. The Ocular Surface. 2016; 14: 56-63[121]

^{III} John T, Tighe S, Sheha H, et al. Corneal Nerve Regeneration after Self- Retained Cryopreserved Amniotic Membrane in Dry Eye Disease. Journal of Ophthalmology. 2017; 2017: 6404918[75]

^{br} McDonald MB, Sheha H, Tighe S, et al. Treatment outcomes in the Dry Eye Amniotic Membrane (DREAM) study. Journal of Clinical Ophthalmology (Auckland, NZ). 2018; 12: 677-81[119]

^{*} Morkin MI and Hamrah P. Efficacy of self- retained cryopreserved amniotic membrane for treatment of neuropathic corneal pain. The Ocular Surface. 2018; 16: 132-8[76]

^{vi} Tighe S. (2018) Use of Amniotic Membrane in Corneal Ulcers with or without Neurotrophic Keratitis. 2018 ASCRS/ASOA Symposium and Congress. Paper.[149]

^{vii} Brocks D, Mead OG, Tighe S, Tseng SC. Self-Retained Cryopreserved Amniotic Membrane for the Management of Corneal Ulcers. Clinical Ophthalmology. 2020 May 26; 14:1437-43.[146]

V^{III} Yin HY, Cheng AM, Tighe S, Kurochkin P, Nord J, Dhanireddy S, Swan R, Alpert S. Self-retained cryopreserved amniotic membrane for treating severe corneal ulcers: a comparative, retrospective control study. Scientific Reports. 2020 Oct 12;10(1):1-5.[145]

^{ix} Yeu E, Tighe S, Sheha H. Optimizing ocular surface prior to Cataract Surgery. 2017 AAO, New Orleans, LA.

* Sheha H, Tighe S. (2018) Self-Retained Amniotic Membrane for Epithelial Basement Membrane Dystrophy. 2018 ASCRS/ASOA Symposium and Congress. Poster.[150]

^{af} Cheng AMS and Tseng SCG. Self-Retained Amniotic Membrane Combined with Antiviral Therapy for Herpetic Epithelial Keratitis. Cornea. 2017; 36: 1383-6.[161]

x^{ai} Doll T. Cryopreserved Amniotic Membrane, Autologous Serum Eye Drops, and Tea-Tree Oil Lid Scrubs in combination for the treatment of Keratoconjunctivitis in a Staphylococcus Hypersensitive Teenager. Journal of Dry Eye Disease. 2017; 1: e1-e10.[162]

*** Sheha H, Tighe S, Cheng AMS and Tseng SCG. A stepping-stone in treating dendritic keratitis. American Journal of Ophthalmology Case Reports. 2017; 7: 55-8.[163] ** Harthan J and A Sicks L. Sutureless Amniotic Membranes (Prokera) for Filamentary Keratitis: A Case Series. Journal of Dry Eye and Ocular Surface Disease. 2019; 2: e10e6.[164]

Sample Appeal Letter - Prokera

Denial Reason: Experimental & Investigational

Please include physician letterhead on Prior Authorization Letters

[Date]

[Payer Contact]	
[Title]	
[Address]	
[City, State, Zip]	
Det [Detient Name]	

Re: [Patient Name]

[Patient Identification Number] [Date of Service]

Dear [Payer Contact]:

I am writing on behalf of my patient, [patient's name] to appeal the claim denial for the use of Prokera® for the treatment of [insert diagnosis]. [Name of Payer] currently considers the use of human amniotic membrane (HAM) without sutures to be experimental and investigational. To date, [include tried therapies] have been tried to resolve [patient's name] condition, but all have failed. My patient's eye condition was deteriorating, and they were at risk of further corneal ulceration or perforation. As such, I believe Prokera was a medically necessary next logical step in their treatment protocol, to provide them relief from the symptoms associated with this disease, heal their cornea, and restore their quality of life.

[Physician should provide some additional rationale as to why this is the preferred treatment option to treat the condition of this patient (i.e., patient is not a surgical candidate). Physician may also want to expand upon his/her experience with suture-less HAM compared to suture HAM.]

Prokera is an ophthalmic conformer containing a piece of cryopreserved amniotic membrane graft fastened into a ring system. This ring sits on the ocular surface like a symblepharon ring, and the stromal side of the cryopreserved amniotic membrane is in contact with the corneal surface and limbal area. The cryopreserved amniotic membrane provides natural therapeutic biologic actions that include reduction in scarring, blood vessel formation, and inflammation, while promoting the healing of the ocular surface and reducing patient pain. The ring also helps maintain space in the orbital cavity and to prevent conjunctival closure or adhesions. Prokera was cleared by the FDA as a Class II Medical Device in 2003—nearly 20 years ago. It is the only Medical Device cleared by the FDA that can claim anti-inflammatory, anti-scarring, anti-angiogenic properties. Prokera has also been shown to assist in corneal nerve regeneration (See Thomas study reference below) and is indicated and has successfully been treating ocular surface damage and underling inflamed stroma for many years and is considered a standard of care.

The placement of Prokera is reported with the Category I CPT code 65778 (Placement of amniotic membrane on the ocular surface; without sutures) which was established in 2011 by the AMA. The establishment of a Category I code indicates that a technology meets the following criteria:

- All devices and drugs necessary for performance of the procedure of service have received FDA clearance or approval when such is required for performance of the procedure or service.
- The procedure or service is performed by many physicians or other qualified health care professionals across the United States;
- The procedure or service is performed with frequency consistent with the intended clinical use (i.e., a service for a common condition should have high volume, whereas a service commonly performed for a rare condition may have low volume);
- The procedure or service is consistent with current medical practice; and
- The clinical efficacy of the procedure or service is <u>documented in literature</u> that meets the requirements set forth in the CPT code change application.²

Covering the use of Prokera to treat my patient's **[insert diagnosis]** has many advantages, including the fact that Prokera does not require sutures to deliver the therapeutic benefits. The advantage of a sutureless approach is that it facilitates easier treatment because it can be performed in the office setting instead of in a surgical facility, <u>thereby</u> <u>providing convenience and cost savings</u>. This sutureless procedure is performed nationwide by both ophthalmologists and optometrists to treat various ocular surface disorders, and is covered by Medicare, and many major commercial carriers, such **as Aetna, Blue Cross Blue Shield, Humana, etc.** It has long been recognized as a standard of care to treat diseases that cause ocular surface damage or inflammation.

There are several clinical publications supporting the use of Prokera to treat neurotrophic keratitis, corneal ulcers and melts, Stevens Johnson syndrome, persistent epithelial defects – the same indications that are considered acceptable and not experimental or investigational in any way, using sutured HAM grafts under this Policy. ^{i,ii,iii,iv,v,vi,vii,viii,ix,x}

The Prokera c-HAM device was evaluated in a 2018 by Cheng et al. This retrospective review assessed a 48-year-old patient with a ten-year history of rheumatoid arthritis under systemic immunomodulation developed non-resolved severe ocular dryness, pain, photophobia, recurrent diffuse superficial punctate keratitis (SPK), and blurred vision due to corneal epithelial keratopathy OD much worse than OS despite topical artificial tears, steroids, cyclosporine, autologous serum drops, punctal plugs and scleral lens for the last three years. Over the course of the first year, this patient was treated with punctal cauterization and a total of 6 CAM (Prokera Slim), each for an average of 7.2 ± 2.3 days, for their recurrent diffuse superficial punctate keratitis (SPK) with filaments. During the first year, the average symptom-free period was 2.4 ± 0.9 months and visual acuity improvement from 20/400 to 20/200. During the next two years, she received surgical closure of puncta for recurrent punctal reopening, additional systemic immunomodulation and a total of four CAM (PKS), each for an average of 8.5 ± 2 days, for recurrent scattered SPK. By years two and three, she achieved an average symptom-free period of 6.4 ± one month and visual acuity improvement from 20/200 to 20/200 to 20/70. ×ⁱ

In a clinical study Published in Aug 2017, Thomas John, MD conducted a prospective randomized clinical trial that compared the use of Prokera to conventional maximum treatment. The overall dry eye symptoms including discomfort and visual disturbances were significantly improved in the study group over the course of the study yet remained constant in the control group. The study group demonstrated a significant increase in corneal nerve density (12,241 \pm 5083 µm/mm² at baseline, 16,364 \pm 3734 µm/mm² at 1 month, and 18,827 \pm 5453 µm/mm² at 3 months, p = 0.015). This

² https://www.ama-assn.org/practice-management/criteria-cpt-category-i-and-category-iii-codes

was accompanied by an increase in corneal sensitivity (3.25 ± 0.6 cm at baseline, 5.2 ± 0.5 cm at 1 month, and 5.6 ± 0.4 cm at 3 months, p < 0 001) and corneal topography. The control group, however, remained unchanged.^{xii}

The references provided above support the safety and efficacy of the use of HAM without sutures for several ocular indications, including [patient diagnosis]. The attached patient records support their medical necessity of this treatment. We ask that you reconsider your claim denial based upon the patient's medical necessity and proven safety and efficacy of HAM without sutures for ocular use and authorize prompt payment of this claim. If you have any questions or require additional information regarding the procedure or patient, please do not hesitate to contact me.

Sincerely,

[Physician Name] [Email] [Phone]

¹ Pachigolla G, Prasher P, Di Pascuale MA, etal. Evaluation of the role of Prokera in the management of ocular surface and orbital disorders. Eye Contact Lens. 2009; 35:172-175.

¹¹ Suri K, Kosker M, Raber IM, et al. Sutureless Amniotic Membrane Prokera for Ocular Surface Disorders: Short-Term Results. Eye Contact Lens. 2013; 39:341-347.

[🗄] Sheha H, Liang L, Li J, et al. Sutureless amniotic membrane transplantation for severe bacterial keratitis. Cornea. 2009; 28:1118-1123.

¹ Sheha H, Tighe S, Cheng AM, et al. Amniotic Membrane Transplantation.In: Ichhpujani P, Spaeth G, Yanoff M (Eds); Expert Techniques in Ophthalmic Surgery. JAYPEE Publishers; 2015 (20) 167-175.

^{*} Huang YS, Sheha H, Tseng SC. Self-retained Amniotic Membrane Transplantation for Recurrent Corneal Erosion. J Clin Exp Ophthalmol. 2013; 4:272.

^{vi} Kheirkhah A, Johnson DA, Paranjpe DR, et al. Temporary sutureless amniotic membrane patch for acute alkaline burns. Arch Ophthalmol. 2008; 126:1059-1066

vii Shammas MC, Lai EC, Sarkar JS, et al. Management of acute Stevens-Johnson syndrome and toxic epidermal necrolysis utilizing amniotic membrane and topical corticosteroids. Am J Ophthalmol. 2010; 149:203-213.

viii Shay E, Khadem JJ, Tseng SC. Efficacy and limitation of sutureless amniotic membrane transplantation for acute toxic epidermal necrolysis. Cornea. 2010; 29:359-361.

^{to} Tomlins PJ, Parulekar MV, Rauz S. "Triple-TEN" in the Treatment of Acute Ocular Complications from Toxic Epidermal Necrolysis. Cornea. 2013; 32:365-369.

^{*} Kolomeyer AM, Do BK, Tu Y, Chu DS. Placement of Prokera in the management of ocular manifestations of acute Stevens-Johnson syndrome in an outpatient. Eye Contact Lens. 2013;39: e7-11.

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THE PINNACLE HEALTH GROUP

Where to go for Assistance

The Pinnacle Health Group

BioTissue has enlisted **The Pinnacle Health Group** to assist with Reimbursement Support. Pinnacle provides help via a Hotline or can be accessed via email. Their team of credentialed professional coders can provide support to physicians and facilities and answer many reimbursement questions. They can provide:

- Coding guidance for BioTissue products
- Coverage criteria for specific payers
- Claim appeals and underpayment support
- Benefit verification and prior authorization requests
- Reimbursement and guidance documents
- Coding guide
- Letter of Medical Necessity
- Appeal Templates



Contact The Pinnacle Health Group

Email: <u>biotissueocular@thepinnaclehealthgroup.com</u> Phone: 866-369-9290 Fax: 877-499-2986 Hours: Monday to Friday: 8:30 AM – 6:00 PM ET