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	<b>UM-CDG-034 Cryoablation</b>	<b>Approved By:</b> <b>Director, Health Services</b>	<b>Effective Date:</b> 10/22/2025

*This Policy applies to all SECUR affiliates, associates, and subsidiaries.*

Approved by Courtney Gonzales, Director of Health Services on behalf of the Utilization Management Committee.

## PURPOSE

This coverage determination guideline serves to address cryoablation, also known as cryotherapy or cryosurgery, that employs the application of a cryogenic substance to create extreme cold temperatures to freeze and destroy diseased tissues. The intracellular ice crystals formed during cryoablation damage mitochondria, dehydrate the cells, and degrade cell membranes. The full effects can take several days to weeks to appear but ultimately will result in cell death and tissue destruction. The destroyed tissue is then either removed or reabsorbed by the body. There are a number of variations of techniques for cryoablation.

For SECUR Health Plan members, National Coverage Determinations (NCD) and Local Coverage Determinations (LCD) will be applied to requests when applicable. SECUR Health Plan Coverage Determination Guidelines (CDG) will be utilized in the absence of an appropriate NCD and/or LCD.

## DEFINITIONS

**Cryoprobe and Contact Cryotherapy:** uses metallic cryoprobe that is placed directly on the lesion

**Dipstick:** cryogen is poured into a separate container then dipped with a cotton swab and quickly applied to the lesion

**Spray:** uses a closed system device that discharges cryogen through a nozzle and trigger mechanism.

**Cryoablation:** typically, a standalone treatment for conditions such as cervical neoplasia and menorrhagia. May be used in conjunction with surgical resection or radiation therapy to treat tumors of various cancers.

**Cryoretinopexy/Retinal Cryotherapy:** cryotherapy is employed around the retinal tear to create a chorioretinal adhesion and is used for the treatment of retinal detachment.

**Endoscopic Eradication Therapy (EET):** combines endoscopic resection and thermal ablation to create a minimally invasive treatment for intramucosal esophageal cancer and dysplasia related to Barrett’s esophagus

## POLICY

### Cryoablation of Malignant Skin Lesions

SECUR Health Plan considers cryoablation of malignant skin lesions as medically necessary when the following is met:

1. Low risk superficial or nodular basal cell carcinoma (BCC) in a member who is not a candidate for surgical resection or radiation therapy, or
2. Low risk cutaneous squamous cell carcinoma or Bowen disease in a member who is not a candidate for surgical resection, or

- Symptomatic, cutaneous Kaposi sarcoma lesions measuring less than or equal to 1 cm.

**Prostate Cancer**

SECUR Health Plan utilizes NCD 230.9, Cryosurgery of Prostate, for cryoablation of prostate cancer medical necessity determinations.

**Cryoablation**

The table below depicts what will be considered medically necessary by SECUR Health Plan for cryoablation.

Indication	Criteria
Cervical intraepithelial neoplasia (CIN)	Will be considered reasonable and necessary when the following requirement(s) are met: <ul style="list-style-type: none"> <li>• CIN grade 1; <b>OR</b></li> <li>• CIN grades 2 or 3 in an individual for whom childbearing is not complete</li> </ul> <p><b>And ALL of the following:</b></p> <ul style="list-style-type: none"> <li>• Dysplasia encompasses less than 75% of the cervix; <b>AND</b></li> <li>• Individual is not currently pregnant</li> </ul>
Liver tumors – intrahepatic cholangiocarcinoma	Will be considered reasonable and necessary when the following requirement(s) are met: <ul style="list-style-type: none"> <li>• Primary treatment in an individual requiring treatment of a single tumor that measures less than 3 cm in diameter; <b>OR</b></li> </ul>
	<ul style="list-style-type: none"> <li>• Unresectable intrahepatic cholangiocarcinomas up to 5 cm in diameter (as primary treatment or to downstage for other curative treatments); <b>AND</b></li> <li>• All hepatic tumors are amenable to ablation such that the tumor and a margin of normal tissue up to 1 cm can be treated</li> </ul>
Liver tumors – metastatic	Will be considered reasonable and necessary when the following requirement(s) are met: <ul style="list-style-type: none"> <li>• All hepatic tumors are amenable to ablation such that the tumor and a margin of normal tissue up to 1 cm can be treated</li> </ul>

Lung tumors – malignant endobronchial obstruction	<p>Will be considered reasonable and necessary when <b>ALL</b> of the following requirement(s) are met:</p> <ul style="list-style-type: none"> <li>• All lesions are intraluminal; <b>AND</b></li> <li>• Individual is not a candidate for surgical resection (eg, unresectable disease) or declines surgery; <b>AND</b></li> <li>• Individual is symptomatic (eg, reduced pulmonary function, shortness of breath); <b>AND</b></li> <li>• Symptoms are not life-threatening (eg, requiring immediate relief)<sup>5,49,53</sup></li> </ul>
Lung tumors – metastatic	<p>Will be considered reasonable and necessary when the following requirement(s) are met:</p> <ul style="list-style-type: none"> <li>• All original sites of disease have evidence of control or non-progression OR are amenable to local therapy (eg, cryoablation, radiation, surgical resection); <b>AND</b></li> <li>• Tumor is less than 3 cm in diameter<sup>46</sup></li> </ul>
Lung tumors – non-small cell lung cancer (NSCLC)	<p>Will be considered reasonable and necessary when the following requirement(s) are met:</p> <ul style="list-style-type: none"> <li>• Stage 1 non-small cell lung cancer;<b>AND</b></li> <li>• Individual is not a candidate for surgical resection (eg, unresectable disease) or declines surgery; <b>AND</b></li> <li>• Tumor is less than 3 cm in diameter</li> </ul>

Menorrhagia (heavy menstrual bleeding)	<p>Will be considered reasonable and necessary when <b>ALL</b> of the following requirement(s) are met:</p> <ul style="list-style-type: none"> <li>• Bleeding is due to benign causes; <b>AND</b></li> <li>• Childbearing is complete; <b>AND</b></li> <li>• Individual is premenopausal; <b>AND</b></li> <li>• No large uterine fibroids or polyps (greater than 4 cm in diameter) are present; <b>AND</b></li> <li>• Absence of <b>ALL</b> of the following contraindications: <ul style="list-style-type: none"> <li>○ Active gynecologic or urinary infection</li> <li>○ Current pregnancy</li> <li>○ Intrauterine device (IUD) currently in place</li> <li>○ Known or suspected uterine cancer</li> <li>○ Pre-malignant conditions of the endometrium (eg, adenomatous hyperplasia)</li> <li>○ Previous endometrial ablation using any modality (eg, cryoablation, microwave, radiofrequency)</li> <li>○ Prior surgery involving the uterus (eg, cesarean section, myomectomy, resection)</li> </ul> </li> </ul>
Renal cell carcinoma (RCC)	<p>Will be considered reasonable and necessary when the following requirement(s) are met:</p> <ul style="list-style-type: none"> <li>• Biopsy-proven diagnosis or biopsy to be performed at the time of ablation</li> </ul> <p><b>And ONE of the following:</b></p> <ul style="list-style-type: none"> <li>• Localized tumor recurrence after nephrectomy; <b>OR</b></li> <li>• Stage T1a tumor and <b>ALL</b> of the following: <ul style="list-style-type: none"> <li>○ Individual is not a candidate for surgical resection (eg, unresectable disease) or declines surgery; <b>AND</b></li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>○ Tumor is less than or equal to 3 cm; <b>OR</b></li> <li>● Stage T1b solid renal tumor in an individual who is not a candidate for surgical resection (eg, unresectable disease)</li> </ul>
Retinal detachment or symptomatic retinal break	Will be considered reasonable and necessary with sufficient medical records to support the diagnosis.
Soft tissue sarcoma – desmoid tumors	<p>Will be considered reasonable and necessary when the following criteria are met:</p> <ul style="list-style-type: none"> <li>● Desmoid tumor and <b>ONE</b> of the following: <ul style="list-style-type: none"> <li>○ Initial treatment of progressive, morbid or symptomatic disease; <b>OR</b></li> <li>○ Residual disease after surgical resection</li> </ul> </li> </ul>
Soft tissue sarcoma – intra-abdominal or retroperitoneal tumors	<p>Will be considered reasonable and necessary when the following criteria are met:</p> <ul style="list-style-type: none"> <li>● Intra-abdominal or retroperitoneal disease and <b>ONE</b> of the following: <ul style="list-style-type: none"> <li>○ Palliative treatment of disseminated metastases; <b>OR</b></li> <li>○ Stage IV disease with limited bulk that is confined to a single organ</li> </ul> </li> </ul>
Soft tissue sarcoma – tumors of the extremities, head, neck, or trunk	<p>Will be considered reasonable and necessary when the following criteria are met:</p> <ul style="list-style-type: none"> <li>● Disease of the extremities, head, neck or trunk and <b>ONE</b> of the following: <ul style="list-style-type: none"> <li>○ Oligometastatic synchronous Stage IV disease with limited tumor bulk; <b>OR</b></li> <li>○ Palliative treatment of disseminated metastases; <b>OR</b></li> <li>○ Recurrent, metastatic disease with limited tumor bulk that is confined to a single organ</li> </ul> </li> </ul>
Skeletal metastases	<p>Will be considered reasonable and necessary when the following criteria are met:</p> <ul style="list-style-type: none"> <li>● Increased risk of fracture in weight-bearing bones; <b>OR</b></li> <li>● Palliation of hormone secretion due to a metastatic hormone-producing tumor; <b>OR</b></li> </ul>

	<ul style="list-style-type: none"> <li>• Painful musculoskeletal metastases<sup>43</sup></li> </ul>
Thyroid tumors	<p>Will be considered reasonable and necessary when the following criteria are met:</p> <ul style="list-style-type: none"> <li>• Malignant metastases (distant or persistent) and <b>ONE</b> of the following: <ul style="list-style-type: none"> <li>○ Differentiated thyroid cancer (eg, papillary, follicular, oncocytic) not amenable to treatment with radioactive iodine (RAI)<sup>13,45</sup>; <b>OR</b></li> <li>○ Medullary thyroid cancer; <b>OR</b></li> </ul> </li> <li>• Malignant recurrent disease (locoregional or metastatic)<sup>13,45</sup></li> </ul>
Uveal melanoma	<p>Will be considered reasonable and necessary when the following criteria are met:</p> <ul style="list-style-type: none"> <li>• Local control of extraocular extension with visible tumor or suspicion of gross disease in the orbit after enucleation; <b>OR</b></li> <li>• Recurrent disease with extraocular involvement or orbital involvement in an individual with prior enucleation; <b>OR</b></li> <li>• Subsequent treatment after particle beam radiotherapy if adequate response was not achieved from initial radiation</li> </ul>

SECUR Health Plan considers cryoablation as not medically necessary for any of the following:

1. Breast cancer
2. Cutaneous melanoma
3. Pancreatic cancer
4. Primary bone tumors
5. Renal cysts

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