

## Cryoablation

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| <a href="#">Effective Date</a>   | 2/2008      |
| <a href="#">Next Review Date</a> | 1/15/2024   |
| <a href="#">Coverage Policy</a>  | Surgical 82 |
| <a href="#">Version</a>          | 7           |

**Member-specific benefits take precedence over medical policy and benefits may vary across plans. Refer to the individual's benefit plan for details\*.**

### Purpose:

This policy addresses Cryoablation.

### Description & Definitions:

**Cryoablation** uses hollow needles (cryoprobes) that are thermally cooled to apply extreme cold to an area and ablate the tissue.

### Criteria:

Cryoablation is considered medically necessary for individuals for **1 or more** of the following:

- Atrial fibrillation
- Barrett's esophagus with **All** of the following:
  - Residual or recurrent dysplasia are present
  - Documented failure of medical management with high dose proton pump inhibitors
- Basal cell carcinoma, low risk
- Colorectal cancer with **All** of the following:
  - Metastases to liver
  - Open resection is not appropriate
- Endobronchial obstruction, malignant
- Hepatocellular cancer or liver metastases from colorectal cancer or functioning neuroendocrine tumors with **1 or more** of the following:
  - For initial treatment **All** of the following:
    - Individual is a poor candidate for surgical resection or unwilling to undergo surgical resection
    - Individual has the presence of three lesions or less as documented by Magnetic Resonance Imaging (MRI) or Computerized Tomography (CT) scan
    - Individual's lesions measure no more than five centimeters in diameter each
    - Individual has no evidence of extra-hepatic disease

- All foci of individual's disease are amenable to ablative therapy
  - For repeat treatment **All** of the following:
    - At least six months must have elapsed since the prior surgical resection or ablation
- Neuroendocrine tumors of the liver that are unresectable
- Non-small cell lung cancer that is considered inoperable
- Prostate cancer and **1 or more** of the following:
  - Primary treatment of clinically localized prostate cancer stage T1-T2
  - Primary treatment of Prostate cancer stage T3 and lymph nodes involvement is not detected on imaging studies
  - Salvage cryosurgery for recurrent Prostate cancer with localized diagnosis following failed trial of radiation as primary treatment and **1 or more** of the following;
    - Prostate specific antigen (PSA)<8ng/ml
    - Gleason score <9
    - disease stage T2b or below
- Renal cell carcinoma and **ALL** of the following:
  - Stage I (T1a)
  - Confirmed by biopsy
  - Single tumor <3 cm
  - No metastasis
- Soft tissue sarcomas with **1 or more** of the following:
  - Single organ and limited tumor bulk that are amenable to local therapy
  - As palliative modality for disseminated metastases in both primary and recurrent disease
- Squamous cell carcinoma in situ (Bowen disease) where surgery or radiation are contraindicated

**Cryoablation** is considered not medically necessary for any use other than those indicated in clinical criteria, to include but not limited to:

- Back pain (acute or chronic) including but not limited to that attributed to facet or SI etiologies
- Bone and soft tissue carcinomas
- Breast carcinoma
- Clarifix for sinuses/rhinitis
- Cryoneurolysis nerve block
- Endometrial Cancer
- Esophageal cancer
- Extra-abdominal desmoid tumors
- Fibroadenoma
- Hepatic metastases from non-colonic primary cancers
- Idiopathic ventricular tachycardia (VT)
- Leiomyosarcoma
- Lipoma
- Neuromas
- Pancreatic cancer
- Percutaneous cryoablation of bone tumors
- Plantar fasciitis or plantar fibroma
- Post-infarction VT
- Retinopathy of prematurity

## Coding:

Medically necessary with criteria:

| Coding | Description  |
|--------|--|
| 20983  | Ablation therapy for reduction or eradication of 1 or more bone tumors (eg, metastasis) including adjacent soft tissue when involved by tumor extension, percutaneous, including imaging guidance when performed; cryoablation |
| 31641  | Bronchoscopy, rigid or flexible, including fluoroscopic guidance, when performed; with destruction of tumor or relief of stenosis by any method other than excision (eg, laser therapy, cryotherapy)                           |

|       |  |
|-------|--|
| 32994 | Ablation therapy for reduction or eradication of 1 or more pulmonary tumor(s) including pleura or chest wall when involved by tumor extension, percutaneous, including imaging guidance when performed, unilateral; cryoablation |
| 43229 | Esophagoscopy, flexible, transoral; with ablation of tumor(s), polyp(s), or other lesion(s) (includes pre- and post-dilation and guide wire passage, when performed)   |
| 47371 | Laparoscopy, surgical, ablation of 1 or more liver tumor(s); cryosurgical  |
| 47381 | Ablation, open, of 1 or more liver tumor(s); cryosurgical  |
| 47383 | Ablation, 1 or more liver tumor(s), percutaneous, cryoablation   |
| 50593 | Ablation, renal tumor(s), unilateral, percutaneous, cryotherapy  |
| 55873 | Cryosurgical ablation of the prostate (includes ultrasonic guidance and monitoring)  |

**Considered Not Medically Necessary:**

| Coding | Description   |
|--------|---|
| 67229  | Treatment of extensive or progressive retinopathy, 1 or more sessions, preterm infant (less than 37 weeks gestation at birth), performed from birth up to 1 year of age (eg, retinopathy of prematurity), photocoagulation or cryotherapy |
| 0440T  | Ablation, percutaneous, cryoablation, includes imaging guidance; upper extremity distal/peripheral nerve  |
| 0441T  | Ablation, percutaneous, cryoablation, includes imaging guidance; lower extremity distal/peripheral nerve  |
| 0442T  | Ablation, percutaneous, cryoablation, includes imaging guidance; nerve plexus or other truncal nerve (eg, brachial plexus, pudendal nerve)  |
| 0581T  | Ablation, malignant breast tumor(s), percutaneous, cryotherapy, including imaging guidance when performed, unilateral   |
| 30117  | Excision or destruction (eg, laser), intranasal lesion; internal approach   |
| 30999  | Unlisted procedure, nose (Surgery or other procedure for the nose)  |
| 31299  | Unlisted procedure, accessory sinuses   |
|        |   |

U.S. Food and Drug Administration (FDA) - approved only products only.

## Document History:

## Revised Dates:

- 2022: January, March, September
- 2020: January, December
- 2019: November
- 2015: April, May
- 2014: April
- 2013: April
- 2012: April, November
- 2011: February
- 2010: March
- 2009: February

## Reviewed Dates:

- 2023: January
- 2019: March
- 2018: April
- 2016: December
- 2010: February
- 2008: July

## Effective Date:

- February 2008

## References:

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### Special Notes: \*

Medical policies can be highly technical and complex and are provided here for informational purposes. These medical policies are intended for use by health care professionals. The medical policies do not constitute medical advice or medical care. Treating health care professionals are solely responsible for diagnosis, treatment, and medical advice. Sentara Health Plan members should discuss the information in the medical policies with their treating health care

professionals. Medical technology is constantly evolving, and these medical policies are subject to change without notice, although Sentara Health Plan will notify providers as required in advance of changes that could have a negative impact on benefits.

Services mean both medical and behavioral health (mental health) services and supplies unless We specifically tell You otherwise. We do not cover any services that are not listed in the Covered Services section unless required to be covered under state or federal laws and regulations. We do not cover any services that are not Medically Necessary. We sometimes give examples of specific services that are not covered but that does not mean that other similar services are covered. Some services are covered only if We authorize them. When We say You or Your We mean You and any of Your family members covered under the Plan. Call Member Services if You have questions.

### Keywords:

Cryoablation, cryotherapy, Cervical intraepithelial neoplasia, shp surgical 82, Atrial fibrillation, Barrett's esophagus, Basal cell carcinoma, Colorectal cancer, Endobronchial obstruction, Hepatocellular cancer, liver metastases, colorectal cancer, functioning neuroendocrine tumors, Neuroendocrine tumors, Non small cell lung cancer, Prostate cancer, stage A prostate cancer, stage B prostate cancer, stage C prostate cancer, Renal cell carcinoma, Soft tissue sarcomas, Squamous cell carcinoma in situ, Bowen disease