

MEDICAL POLICY



MEDICAL POLICY DETAILS	
Medical Policy Title	SELECTIVE INTERNAL RADIATION THERAPY (SIRT) FOR HEPATIC TUMORS
Policy Number	7.01.69
Category	Technology Assessment
Effective Date	12/15/05
Revised Date	12/21/06, 12/20/07, 07/17/08, 08/20/09, 06/17/10, 06/16/11, 08/18/11, 08/16/12, 07/18/13, 06/19/14, 05/28/15, 04/21/16, 06/15/17, 08/16/18, 07/18/19
Product Disclaimer	<ul style="list-style-type: none"> • If a product excludes coverage for a service, it is not covered, and medical policy criteria do not apply. • If a commercial product (including an Essential Plan product) or a Medicaid product covers a specific service, medical policy criteria apply to the benefit. • If a Medicare product covers a specific service, and there is no national or local Medicare coverage decision for the service, medical policy criteria apply to the benefit.

POLICY STATEMENT

- I. Based upon our criteria and assessment of peer-reviewed literature, selective internal radiation therapy (SIRT) has been medically proven to be effective and is considered **medically appropriate** as a treatment for:
 - A. Primary hepatocellular carcinoma that is unresectable and limited to the liver (See Policy Guidelines); or
 - B. Hepatic metastases from neuroendocrine tumors with diffuse and symptomatic disease when systemic therapy has failed to control symptoms; or
 - C. As a bridge to transplant for patients with hepatocellular carcinoma who meet liver transplant criteria and are waiting liver transplantation; or
 - D. Unresectable hepatic metastases from colorectal carcinoma in patients with liver-dominant disease who are refractory to chemotherapy or who are not candidates for chemotherapy, or other systemic therapies (see Policy Guidelines).
- II. Based upon our criteria and assessment of peer-reviewed literature, selective internal radiation therapy (SIRT) has not been medically proven to be effective and is considered **investigational** as a treatment for all other metastatic or primary tumors of the liver.

Refer to Corporate Medical Policy #7.01.03 regarding Cryosurgical Tumor Ablation.

Refer to Corporate Medical Policy # 7.01.78 regarding Peptide Receptor Radionuclide Therapy.

Refer to Corporate Medical Policy #7.02.32 regarding Radiofrequency Tumor Ablation.

Refer to Corporate Medical Policy #11.01.10 regarding Clinical Trials.

Refer to Corporate Medical Policy # 11.01.03 regarding Experimental and Investigational Services.

POLICY GUIDELINES

- I. In general, SIRT is used for unresectable HCC that is greater than 3 cm.
- II. SIRT should be reserved for patients with adequate functional status (ECOG 0-2), adequate liver function and reserve, Child Pugh score A or B, and liver-dominant metastases. Patients should also have a life expectancy of greater than 3 months.
- III. The Federal Employee Health Benefit Program (FEHBP/FEP) requires that procedures, devices or laboratory tests approved by the U.S. Food and Drug Administration (FDA) may not be considered investigational and thus these procedures, devices or laboratory tests may be assessed only on the basis of their medical necessity.

Medical Policy: SELECTIVE INTERNAL RADIATION THERAPY (SIRT) FOR HEPATIC TUMORS

Policy Number: 7.01.69

Page: 2 of 7

DESCRIPTION

Hepatic tumors can arise either as primary liver cancer or by metastasis to the liver from other tissues or organs. At present, surgical resection with tumor-free margins or liver transplantation are the only potentially curative treatments for hepatic cancer. Unfortunately, most hepatic tumors are not amenable to resection or transplantation at diagnosis, due either to their anatomic location, size, the number of lesions, concurrent nonmalignant liver disease, or insufficient hepatic reserve. Various minimally invasive ablative techniques have been investigated that seek to cure or palliate unresectable hepatic tumors by improving loco-regional control. Examples of these techniques include cryosurgical ablation, radiofrequency ablation and chemoembolization.

Selective internal radiation therapy (SIRT), another minimally invasive ablative method, relies on targeted delivery of small beads (microspheres) impregnated with yttrium-90 (90Y). Yttrium-90 is a beta emitter with a short half-life of 64.2 hours (2.67 days) that limits radiation hazard, while providing a clinically appropriate dose of radiotherapy. In SIRT, the radioactive material is directed into the left, right or common hepatic artery via a percutaneous (femoral or gastroduodenal) arterial catheter or a porta-cath. This allows the delivery of a concentrated dosage of radiation directly into the tumor bed, while conserving the normal liver tissue that surrounds the tumor. The size of the microspheres actually causes them to become entrapped within the tumor vasculature and retained within the tumor. The total radioactivity required by a patient is dependent on the extent and presentation of the tumor tissue. SIRT can usually be performed in an outpatient setting, as there is no radiation exposure to others once the microspheres have been infused.

SIRT has been investigated as a promising new technique due to several factors: 1) the liver parenchyma is sensitive to radiation; 2) the hepatic circulation is uniquely organized, whereby the normal liver derives 75% of its of its blood supply from the portal vein and malignant tumors in the liver derive nearly 100% of their blood supply from the hepatic artery; and 3) 90Y is a pure beta emitter with a relatively limited effective range and short half-life that helps focus the radiation and minimize its spread.

RATIONALE

There are currently 2 types of Yttrium microspheres (glass and resin) that have been approved by the U.S. Food and Drug Administration (FDA): TheraSpheres® (Theragenics; Atlanta, GA) and SIR-Spheres® (Sirtex Medical Limited; Lake Forest, IL). The U.S. Food and Drug Administration (FDA) granted premarket approval of SIR-Spheres® in 2002 for use in combination with 5-fluorouridine (5-FU) chemotherapy by HAI to treat unresectable hepatic metastases from colorectal cancer. In contrast, TheraSpheres® were approved by humanitarian device exemption (HDE) in 1999 for use as monotherapy to treat unresectable HCC. In January 2007, the HDE for TheraSpheres® was expanded to include patients with hepatocellular carcinoma who have partial or branch portal vein thrombosis.

HCC:

Studies have demonstrated that SIRT/radioembolization is comparable to chemoembolization (which is considered to be therapy of choice) for patients with unresectable HCC in terms of tumor response and overall survival (e.g., Kulil, et al. 2008; Salem, et al. 2010; Carr, et al. 2010; Hilgard, et al. 2010; Edeline, et al. 2016; Ettore, et al. 2017). Disadvantages of chemoembolization include the necessity of multiple treatment sessions and hospitalization, its contraindication in patients with portal vein thrombosis, and its poorer tolerance by patients.

Neuroendocrine:

While studies investigating SIRT for neuroendocrine tumors have limitations such as heterogeneous patient populations, studies do report relief of symptoms from carcinoid syndrome in a proportion of patients. Surgical debulking of liver metastases has shown palliation of hormonal symptoms; debulking by radioembolization may lead to symptom relief in some patients (e.g., Sato, et al. 2008; Kennedy, et al. 2009; Cao, et al. 2010; Cramer, et al. 2016).

Metastatic colorectal cancer:

A major cause of morbidity and mortality in patients with colorectal disease metastatic to the liver is liver failure, as this disease tends to progress to diffuse, liver-dominant involvement. Therefore, the use of SIRT/radioembolization to decrease tumor bulk and/or halt the time to tumor progression and liver failure, may lead to prolonged progression free and overall survival in patients with no other treatment options (e.g., those with chemotherapy refractory liver-dominant

Medical Policy: SELECTIVE INTERNAL RADIATION THERAPY (SIRT) FOR HEPATIC TUMORS

Policy Number: 7.01.69

Page: 3 of 7

disease). Other uses include palliation of symptoms from tumor bulk (e.g., Kennedy, et al, 2009, 2016; Mulcahy, et al. 2009; Cianni, et al. 2010; Hendlisz, et al. 2010; Damm, et al. 2016; Jakobs, et al 2017).

Miscellaneous:

There is insufficient evidence to support the use of SIRT for liver metastases from other sites such as breast, pancreatic and cholangiocarcinoma. The outcome data from literature are inadequate at this time to draw positive conclusions related to the safety and efficacy of SIRT for these patient populations (e.g., Atassi, et al. 2008, Jakobs, et al. 2008, Saxena, et al. 2010, Cianni, et al. 2013).

CODES

- Eligibility for reimbursement is based upon the benefits set forth in the member's subscriber contract.
- **CODES MAY NOT BE COVERED UNDER ALL CIRCUMSTANCES. PLEASE READ THE POLICY AND GUIDELINES STATEMENTS CAREFULLY.**
- Codes may not be all inclusive as the AMA and CMS code updates may occur more frequently than policy updates.

CPT Codes

Code	Description
No CPT codes specific to SIRT, but the following could be used:	
37243	Vascular embolization or occlusion, inclusive of all radiological supervision and interpretation, intraprocedural roadmapping, and imaging guidance necessary to complete the intervention; for tumors, organ ischemia, or infraction
75894	Transcatheter therapy, embolization, any method, radiological supervision and interpretation
79445	Radiopharmaceutical therapy, by intra-arterial particulate administration

Copyright © 2019 American Medical Association, Chicago, IL

HCPCS Codes

Code	Description
C2616	Brachytherapy source, nonstranded, yttrium-90, per source
S2095	Transcatheter occlusion or embolization for tumor obstruction, percutaneous, any method, using yttrium-90 microspheres

ICD10 Codes

Code	Description
C18.0	Malignant neoplasm of cecum
C18.1	Malignant neoplasm of appendix
C18.2	Malignant neoplasm of ascending colon
C18.3	Malignant neoplasm of hepatic flexure
C18.4	Malignant neoplasm of transverse colon
C18.5	Malignant neoplasm of splenic flexure
C18.6	Malignant neoplasm of descending colon
C18.7	Malignant neoplasm of sigmoid colon
C18.8	Malignant neoplasm of overlapping sites of colon

Medical Policy: SELECTIVE INTERNAL RADIATION THERAPY (SIRT) FOR HEPATIC TUMORS

Policy Number: 7.01.69

Page: 4 of 7

Code	Description
C18.9	Malignant neoplasm of colon, unspecified
C22.0	Liver cell carcinoma
C22.1	Intrahepatic bile duct carcinoma
C22.2	Hepatoblastoma
C22.3	Angiosarcoma of liver
C22.4	Other sarcomas of liver
C22.7	Other specified carcinomas of liver
C22.8	Malignant neoplasm of liver, primary, unspecified as to type
C22.9	Malignant neoplasm of liver, not specified as primary or secondary
C78.7	Secondary malignant neoplasm of liver and intrahepatic bile duct

REFERENCES

Abdelfattah , et al. Radioembolization using yttrium-90 microspheres as bridging and downstaging treatment for unresectable hepatocellular carcinoma before liver transplantation: initial single-center experience. Transplant Proc 2015 Mar;47(2):408-11.

*Al-Adra DP, et al. Treatment of unresectable intrahepatic cholangiocarcinoma with yttrium-90 radioembolization: a systematic review and pooled analysis. Eur J Surg 2015 Jan;41(1):120-7.

American College of Radiology. Practice guideline for radioembolization with microsphere brachytherapy device (RMBD) for the treatment of liver malignancies. [<https://www.acr.org/-/media/ACR/Files/Practice-Parameters/rmbd.pdf>] accessed 6/27/19.

BlueCross BlueShield Association Medical Policy Reference Manual. Policy #8.01.43. Radioembolization for primary and metastatic tumors of the liver. 2018 Jul 12.

Boehm LM, et al. Comparative effectiveness of hepatic artery based therapies for unresectable intrahepatic cholangiocarcinoma. J Surg Oncol 2015 Feb;111(2):213-20.

Braat AJ, et al. ⁹⁰Y hepatic radioembolization: an update on current practice and recent developments. J Nucl Med 2015 Jul;56(7):1079-87.

*Canadian Agency for Drugs and Technologies in Health. Issues in emerging health technologies. Yttrium-90 microspheres (TheraSphere® and SIR-Spheres ®) for the treatment of unresectable hepatocellular carcinoma. Issue 2, Sept 2007 [<https://www.cadth.ca/yttrium-90-microspheres-theraspherer-sir-spheresr-treatment-unresectable-hepatocellular>] accessed 6/27/19.

*Cao CQ, et al. Radioembolization with yttrium microspheres for neuroendocrine tumour liver metastases. Br J Surg 2010 Apr;97(4):537-43.

*Coldwell D, et al. Radioembolization in the treatment of unresectable liver tumors: experience across a range of primary cancer. Am J Clin Oncol 2012 Apr;35(2):167-77.

Cramer B, et al. Prospective longitudinal quality of life assessment in patients with neuroendocrine tumor liver metastases treated with ⁹⁰Y radioembolization. Clin Nucl Med 2016 Dec;41(12):e493-e497.

Damm R, et al. Y90 radioembolization in chemo-refractory metastatic, liver dominant colorectal cancer patients: outcome assessment applying a predictive scoring system. BMC Cancer 2016 July 20;16:509.

De Baere T, et al. Interventional radiology: role in the treatment of liver metastases from GEP-NETs. Eur J Radiol 2015;172(4):R151-66.

Medical Policy: SELECTIVE INTERNAL RADIATION THERAPY (SIRT) FOR HEPATIC TUMORS

Policy Number: 7.01.69

Page: 5 of 7

Devic Z, et al. The efficacy of hepatic ⁹⁰Y resin radioembolization for metastatic neuroendocrine tumors: a meta-analysis. J Nucl Med 2014 Sep;55(9):1404-10.

Edeline J, et al. Selective internal radiation therapy compared with sorafenib for hepatocellular carcinoma with portal vein thrombosis. Eur J Nucl Med Mol Imaging 2016 April;43(4):635-643.

Eldredge-Hindy H, et al. Yttrium-90 microsphere brachytherapy for liver metastases from uveal melanoma: clinical outcomes and the predictive value of fluorodeoxyglucose positron emission tomography. Am J Clin Oncol 2016 Apr;39(2):189-95.

El Fouly A, et al. In intermediate stage hepatocellular carcinoma: radioembolization with yttrium 90 or chemoembolization? Liver Int 2015 Feb;35(2):627-35.

Engelman ES, et al. Comparison of transarterial liver-directed therapies for low-grade metastatic neuroendocrine tumors in a single institution. Pancreas 2014 Mar;43(2):219-25.

Ettore GM, et al. Yttrium-90 radioembolization for hepatocellular carcinoma prior to liver transplantation. World J Surg 2017 Jan;41(1):241-249.

Fendler WP, et al. Safety, efficacy, and prognostic factors after radioembolization of hepatic metastases from breast cancer: a large single-center experience in 81 patients. J Nucl Med 2016 April;57(4):517-523.

Gibbs P, et al. Effect of Primary Tumor Side on Survival Outcomes in Untreated Patients With Metastatic Colorectal Cancer When Selective Internal Radiation Therapy Is Added to Chemotherapy: Combined Analysis of Two Randomized Controlled Studies. Clin Colorectal Cancer. 2018 Dec;17(4):e617-e629.

Gordon AC, et al. Yttrium-90 radioembolization stops progression of targeted breast cancer liver metastases after failed chemotherapy. J Vasc Interv Radiol 2014 Oct;25(10):1523-32.

Gramanzi A, et al. Yttrium-90 radioembolization vs sorafenib for intermediate-locally advanced hepatocellular carcinoma: a cohort study with propensity score analysis. Liver Int 2015 Mar;35(3):1036-47.

*Hoffmann RT, et al. Transarterial hepatic yttrium-90 radioembolization in patients with unresectable intrahepatic cholangiocarcinoma: factors associated with prolonged survival. Cardiovasc Interv Radiol 2012 Feb;35(1):105-16.

Jakobs TF, et al. Robust evidence for long-term survival with ⁹⁰Y radioembolization in chemorefractory liver-predominant metastatic colorectal cancer. Eur Radiol 2017 Jan;27(1):113-119.

Jia Z, et al. Resin-based Yttrium-90 microspheres for unresectable and failed first-line chemotherapy intrahepatic cholangiocarcinoma: preliminary results. J Cancer Res Clin Oncol 2017 March;143(3):481-489.

Johnson BW and Wright GP. Regional therapies for the treatment of primary and metastatic hepatic tumors: A disease-based review of techniques and critical appraisal of current evidence. Am J Surg. 2019 Mar;217(3):541-545.

Kalva SP, et al. Yttrium-90 radioembolization as salvage therapy for liver metastases from colorectal cancer. Am J Clin Oncol 2017 Jun;40(3):288-293.

Kennedy A, et al. Safety of selective internal radiation therapy (SIRT) with yttrium-90 microspheres combined with systemic anticancer agents: expert consensus. J Gastrointest Oncol 2017 Dec;8(6):1079-1099.

Kennedy AS, et al. Safety and efficacy of radioembolization in elderly (> 70 years) and younger patients with unresectable liver-dominant colorectal cancer. Clin Colorectal Cancer 2016 June;15(2):141-151.

Kolligs FT, et al. Pilot randomized trial of selective internal radiation therapy vs. chemoembolization in unresectable hepatocellular carcinoma. Liver Int 2015 Jun;35(6):1715-21.

Kulik L, et al. Prospective randomized pilot study of Y90+/-sorafenib as bridge to transplantation in hepatocellular carcinoma. J Hepatol 2014 Aug;61(2):309-17.

Kwok PC, et al. Survival benefit of radioembolization for inoperable hepatocellular carcinoma using yttrium-90 microspheres. J Gastroenterol Hepatol 2014 Nov;29(11):1897-904.

Medical Policy: SELECTIVE INTERNAL RADIATION THERAPY (SIRT) FOR HEPATIC TUMORS

Policy Number: 7.01.69

Page: 6 of 7

Lewandowski RJ, et al. Twelve-year experience of radioembolization for colorectal hepatic metastases in 2014 patients: survival by era and chemotherapy. Eur J Nucl Med Mol Imaging 2014 Oct;41(10):1861-9.

Mahnken AH. Current status of transarterial radioembolization. World J Radiol 2016 May 28;8(5):449-459.

Maleux G, et al. Yttrium-90 radioembolization for the treatment of chemorefractory colorectal liver metastases: technical results, clinical outcome and factors potentially influencing survival. Acta Oncol 2016;55(4):486-495.

Michl M, et al. Radioembolization with yttrium-90 microspheres (SIRT) in pancreatic cancer patients with liver metastases: efficacy, safety, and prognostic factors. Oncology 2014;86(1):24-32.

Mosconi C, et al. Yttrium-90 radioembolization for unresectable/recurrent intrahepatic cholangiocarcinoma: a survival, efficacy and safety study. Br J Cancer 2016 July 26;115(3):297-302.

*National Institute for Health and Clinical Excellence. Interventional procedure overview of selective internal radiation therapy for non-resectable colorectal metastases in the liver. Dec 2010. Updated 2013 May [https://www.nice.org.uk/guidance/ipg401] accessed 6/27/19.

Oladeru OT, et al. Conformal external beam radiation or selective internal radiation therapy- a comparison of treatment outcomes for hepatocellular carcinoma. J Gastrointest Oncol 2016 June;7(3):433-440.

Ozkan ZC, et al. Favorable survival time provided with radioembolization in hepatocellular carcinoma patients with and without portal vein thrombosis. Cancer Biother Radiopharm 2015 Apr;30(3):132-8.

Padia SA. Y90 Clinical Data Update: Cholangiocarcinoma, Neuroendocrine Tumor, Melanoma, and Breast Cancer Metastatic Disease. Tech Vasc Interv Radiol. 2019 Jun;22(2):81-86.

Pieper CC, et al. Yttrium-90 radioembolization of advanced, unresectable breast cancer liver metastases- a single-center experience. J Vasc Interv Radiol 2016 Sept;27(9):1305-1315.

Pitton MB, et al. Randomized comparison of selective internal radiotherapy (SIRT) versus drug-eluting bead transarterial chemoembolization (DEB-TACE) for the treatment of hepatocellular carcinoma. Cardiovasc Interv Radiol 2015 Apr;38(2):352-60.

Ramanathan R, et al. Multimodality therapy and liver transplantation for hepatocellular carcinoma: A 14-year prospective analysis of outcomes. Transplantation 2014 Jul 15;98(1):100-6.

Rayar M, et al. Intra-arterial yttrium-90 radioembolization combined with systemic chemotherapy is a promising method for downstaging unresectable huge intrahepatic cholangiocarcinoma to surgical treatment. Ann Surg Oncol 2015 Sep;22(9):3102-8.

*Riaz A, et al. Complications following radioembolization with yttrium-90 microspheres: a comprehensive literature review. J Vasc Interv Radiol 2009 Sep;20(9):1121-30.

*Riaz A, et al. Radiation segmentectomy: a novel approach to increase safety and efficacy of radioembolization. Int J Radiat Oncol Biol Phys 2011 Jan 1;79(1):163-71.

Rim CH, et al. Comparison of radiation therapy modalities for hepatocellular carcinoma with portal vein thrombosis: a meta-analysis and systematic review. Radiother Oncol 2018 Oct;129(1):112-122.

Rosenbaum CE, et al. Radioembolization for treatment of salvage patients with colorectal cancer liver metastases: a systematic review. J Nucl Med 2013 Nov;54(11):1890-5.

Salem R, et al. Y90 radioembolization significantly prolongs time to progression compared with chemoembolization in patients with hepatocellular carcinoma. Gastroenterology 2016 Dec;151(6):1155-1163.

Sango B, et al. Prevention and treatment of complications of selective internal radiation therapy: expert guidance and systematic review. Hepatology 2017 Sep;66(3):969-982.

Saxena A, et al. Yttrium-90 radioembolization for unresectable, chemoresistant breast cancer liver metastases: a large single-center experience of 40 patients. Ann Surg Oncol 2014 Apr;21(4):1296-303.

Medical Policy: SELECTIVE INTERNAL RADIATION THERAPY (SIRT) FOR HEPATIC TUMORS

Policy Number: 7.01.69

Page: 7 of 7

Saxena A, et al. A systematic review on the safety and efficacy of yttrium-90 radioembolization for unresectable, chemorefractory colorectal cancer liver metastases. J Cancer Res Clin Oncol 2014 Apr;140(4):537-47.

Saxena A, et al. Is yttrium-90 radioembolization a viable treatment option for unresectable, chemorefractory colorectal cancer liver metastases? A large single-center experience of 302 patients. Ann Surg Oncol 2015 Mar;22(3):794-802.

Seidensticker R, et al. Integration of chemoembolization and radioembolization into multimodal treatment of cholangiocarcinoma. Best Pract Res Clin Gastroenterol 2015 Apr;29(2):319-32.

*Smits ML, et al. Intra-arterial radioembolization of breast cancer liver metastases: a structured review. Eur J Pharmacol 2013 Jun 5;709(1-3):37-42.

Soydal C, et al. Comparison of survival, safety, and efficacy after transarterial chemoembolization and radioembolization of Barcelona Clinic Liver Cancer stage B-C hepatocellular cancer patients. Nucl Med Commun 2016 June;37(6):646-649.

Tong AK, et al. Yttrium-90 radioembolization: clinical review and current techniques in interventional radiology and personalized dosimetry. Br J Radiol 2016 June;89(1062):20150943.

*Townsend A, et al. Selective internal radiation therapy for liver metastases from colorectal cancer. Cochrane Database Syst Rev 2009 Oct 7;(4):CD007045.

van Hazel GA, et al. SIRFLOX: randomized phase III trial comparing first-line mFLOLFOX6 (plus or minus bevacizumab) versus mFLOFOX6 (plus or minus bevacizumab) plus selective internal radiation therapy in patients with metastatic colorectal cancer. J Clin Oncol 2016 May 20;34(15):1723-1731.

*Vente MA, et al. Yttrium-90 microsphere radioembolization for the treatment of liver malignancies: a structured meta-analysis. Eur Radiol 2009 Apr;19(4):951-9.

Vouche M, et al. Radiation lobectomy: time-dependent analysis of future liver remnant volume in unresectable liver cancer as bridge to resection. J Hepatol 2013 Nov;59(5):1029-36.

Wasan HS, et al. First-line selective internal radiotherapy plus chemotherapy versus chemotherapy alone in patients with liver metastases from colorectal cancer (FOXFIRE, SIRFLOX, and FOXFIRE-Global): a combined analysis of three multicenter, randomized, phase 3 trials. Lancet Oncol 2017 Sep;18(9):1159-1171.

Xing M, et al. Selective internal yttrium-90 radioembolization therapy (90Y-SIRT) versus best supportive care in patients with unresectable metastatic melanoma to the liver refractory to systemic therapy: Safety and efficacy cohort study. Am J Clin Oncol 2017 Feb;40(1):27-34.

Yang TX, et al. Radioembolization and chemoembolization for unresectable neuroendocrine liver metastases- a systematic review. Surg Oncol 2012 Dec;21(4):299-308.

*Key Article

KEY WORDS

Radioembolization, Sir-Spheres, Theraspheres, Transarterial Radioembolization (TARE)

CMS COVERAGE FOR MEDICARE PRODUCT MEMBERS

Based on our review, there is no specific national or regional coverage determination for selective internal radiation therapy.