

January 2022 Coding Guide

Hospital Outpatient Ambulatory
Surgery Center

Physician Services

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What are SIR-Spheres® yttrium-90 resin microspheres?

SIR-Spheres® yttrium-90 resin microspheres are microscopic spheres that are delivered via Selective Internal Radiation Therapy (SIRT) to liver tumors. The polymer microspheres with an average diameter of approximately 32.5 microns, are loaded with yttrium-90 (Y-90). After administration to the hepatic artery, SIR-Spheres yttrium-90 resin microspheres lodge preferentially in the vasculature of the tumor. The beta radiation remains localized, penetrating a mean of 2.5 mm in the tissue, destroying the tumor cells. Due to the half-life of 64.1 hours, most radiation (94%) is delivered in 11 days. The microspheres are biologically inert, and are not metabolized or excreted. Each vial is for a single patient use.

SIR-Spheres yttrium-90 resin microspheres are the ONLY fully FDA PMA approved yttrium-90 microspheres for the treatment of mCRC in the liver. 1,2,3 The only yttrium-90 microspheres backed by randomized controlled trial (RCT) data, SIR-Spheres yttrium-90 resin microspheres can be used alone or in combination with chemotherapy.

SIR-Spheres yttrium-90 resin microspheres are the ONLY yttrium-90 microspheres administered using contrast imaging, ensuring visualization, and confirmation of distribution. Coupled with personalized dosing, and precise infusion, complete procedural control is assured.

Delivered through the hepatic artery, SIR-Spheres yttrium-90 resin microspheres directly target liver tumors with yttrium-90 beta radiation, minimizing healthy tissue exposure. SIR-Spheres yttrium-90 resin microspheres have a relatively low density similar to blood, that enhances infusion efficiency, resulting in a homogeneous distribution, that can optimize tumor coverage.

SIR-Spheres Y-90 resin microspheres				
Biocompatible Polymer				
Yttrium-90 permanently bound to the microspheres				
~32.5 μm				
2.5 mm mean; 11 mm maximum range				
64.1 hours; 94% of the radiation decayed in 11 days				
3 GBq or 81 mCi per vial +/- 10% at the time of calibration				
40-80 million				
Y .				

Caution: Federal (USA) law restricts this device to sale by or on the order of a physician. Indications for Use: SIR-Spheres Y-90 resin microspheres are indicated for the treatment of unresectable metastatic liver tumors from primary colorectal cancer with adjuvant intrahepatic artery chemotherapy (IHAC) of FUDR (Floxuridine). Warnings / Precautions: Inadvertent delivery of the microspheres to locations other than the intended hepatic tumor may result in local radiation damage. Due to the radioactivity and the significant consequences of misplacing the microspheres in situ, this product must be implanted by physicians who have completed the Sirtex TEC training program. A SPECT scan of the upper abdomen immediately after implantation is recommended. Patients may experience abdominal pain immediately after administration and pain relief may be required. H-2 blocking agents may be administered the day before implantation and continued as needed to reduce gastric complications. Side Effects: Common side effects are fever, transient decrease of hemoglobin, mild to moderate abnormality of liver function tests, abdominal pain, nausea, vomiting, and diarrhea. Potential serious effects due to exposure to high radiation include acute pancreatitis, radiation pneumonitis, acute gastritis, radiation hepatitis, and acute cholecystitis. Contraindications: SIR-Spheres Y-90 resin microspheres should not be implanted in patients who have either had previous external beam radiation therapy to the liver; ascites or are in clinical liver failure. This device is contraindicated in patients with markedly abnormal synthetic and excretory liver function tests; greater than 20% lung shunting of the hepatic artery blood flow, or >30 Gy radiation absorbed dose to the lungs, as determined by the 99mTc MAA scan; disseminated extra-hepatic malignant disease, and portal vein thrombosis. This device should not be implanted in patients determined via angiogram to have an abnormal vascular anatomy that would result in significant reflux of the hepatic arterial blood flow to the stomach, pancreas, or bowel. General Information: SIR-Spheres Y-90 resin microspheres may only be distributed to a duly licensed or accredited facility capable of handling therapeutic medical isotopes. This product is radioactive and should thus be handled in accordance with all applicable standards and regulations. Consult the Instructions for Use (www.sirtex.com) for a complete listing of indications, contraindications, side effects, warnings, and precautions.

SIR-Spheres® yttrium-90 resin microspheres Patient Flow and Coding Reference

Phase I: PRE-TREATMENT

Patient Referral to Interventional Radiology

Insurance Authorization

(Pre-determination or Prior authorization recommended for commercial including Med Adv plans)

• CPT 74175: CTA; abdomen & pelvis, w & w/o contrast (Provider Preference)

Pre-Treatment Mapping

- CPT 36246 to 36248: (Selective catheterization codes)
- CPT 75726: Angiography
- CPT 75774: Angiography, addtional selective
- CPT 37242: Arterial Embolization (if indicated)

Nuclear Medicine (Provider Preference)

- CPT 78201: Planar Scan OR
- CPT 78803: Radiopharmaceutical localization of tumor OR
- CPT 78580: Lung Shunt Assessment

Treatment Planning:

(Performed by Authorized User (AU)

- CPT 77262: Treatment planning: intermediate OR
- CPT 77263: Treatment planning: complex
- CPT 77300: Basic dosimetry
- CPT 77370: Physics consult
- CPT 77470: Special Treatment Procedure

SIR-Spheres Y-90 resin microspheres dose order

Phase II: SIR-Spheres Y-90 resin microspheres DAY OF TREATMENT

- CPT 36247 to 36248: (Selective catheterization codes)
- CPT 75726: Angiography
- CPT 75774: Addtional selective
- CPT 37243: Tumor embolization
- Authorized User (AU) dose administration:
- CPT 79445: Radiopharmaceutical therapy, intra-arterial particulate administration (1 doctor model (IR/AU)
- CPT 77778: Interstitial radiation source: complex (2 doctor model (IR with AU)

Y-90 Resin Microspheres Coding:

 HCPCS code: C2616, S2095 used with commercial some commercial/private including Medicare Advantage plans (POS 22)

Post-Treatment Imaging (Provider Preference)

- CPT 78201: Planar OR
- CPT 78803: Radiopharmaceutical localization of tumor OR
- CPT 78814: PET/CT limited OR
- CPT 77399: unlisted procedure (fusion) OR
- CPT 78830: SPECT/CT single area

This information is provided as a resource only and may not encompass all possible coding options. Coding for these procedures and services will vary by site of service, provider, payer.

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IR - Interventional Radiologists

AU - Authorized User

CPT - Current Procedural Terminology

HCPCS - Healthcare Common Procedure Coding System

SIR-Spheres® yttrium-90 resin microspheres Coding and Medicare National Average Reimbursement 2022 Hospital Outpatient (OPPS), Ambulatory Surgery Center (ASC) and Physician Services (MPFS)

The SIR-Spheres yttium-90 resin microspheres coding guide is designed to assist you with coding and billing for the SIRT yttrium-90 procedures. The outpatient codes and national average payments are based on the Medicare Hospital Outpatient Prospective Payment and Ambulatory Surgical Center Payment Systems and Quality Reporting Programs, 2022 Final Rule Correction Notice, OPPS Addendum B 01142022 and ASC Final Addenda 011422. Medicare physician payment rates included in this coding guide are based on the 2022 Medicare Physician Fee Schedule as outlined in the Calendar Year 2022 (CSM-1751-F), Addendum B (121621) using 2022 Final MPFS 2022 conversion factor 34.6062.

Coding for administration of SIR-Spheres yttrium-90 resin microspheres can be complex. There is no consensus or consistency in the Coding/billing for the administration of SIR-Spheres yttrium-90 resin microspheres. This coding guide provides SIR-Spheres yttrium-90 resin microspheres Pre-Treatment and Day of Treatment coding options. Payer policies should be reviewed for coverage and coding guidelines. All rates shown are 2022 Medicare national averages; actual rates will vary geographically and/or by individual facility.

FDA LABELED INDICATIONS FOR USE

SIR-Spheres yttrium-90 resin microspheres: Colorectal cancer metastasized to the liver in combination with hepatic arterial chemotherapy (FUDR) – Full PMA approval

Payment:

Centers for Medicare and Medicaid Services (CMS)

SIR-Spheres yttrium-90 resin microspheres are eligible for payment under the Medicare Hospital Outpatient Prospective Payment System (OPPS). Effective January 1st each year, the OPPS reimbursement rate may be adjusted based upon hospital cost reports. SIR-Spheres yttrium-90 resin microspheres are paid separately from the facility technical charges as mandated by the 2003 Medicare Modernization Act.

HCPCS	Descriptor	APC / Status Indicator	Hospital Outpatient APC Payment (Jan 1, 2022)	Ambulatory Surgery Center Payment (Jan 1, 2022)
C2616	Yttrium-90 non-stranded	2616 / U	\$17,763.21	\$17,763.21

Medicare Overview and Coverage Policies:

Medicare patients have the option of enrolling in either traditional fee-for-service Medicare or Medicare Advantage plans. Traditional fee-for-service Medicare provides eligible beneficiaries with medical benefits through Medicare Parts A and B. Medicare Part B covers medically necessary services rendered in hospital outpatient facilities and freestanding physician offices. Medicare's managed care option, or Medicare Advantage (MA), is also known as Medicare Part C. Commercial plans contract with the Medicare program to offer coverage to Medicare enrollees. Medicare Advantage plans must provide coverage that is equal to or greater than the coverage offered by the beneficiary's local traditional fee-for-service Medicare Administrative Contractor (MAC). SIR-Spheres® Y-90 resin microspheres are eligible for Medicare reimbursement. Local Medicare contractors have the ability to approve or deny coverage based on medical necessity, coding, and appropriate procedural documentation.

Commercial Payers:

Reimbursement for SIR-Spheres® yttrium-90 resin microspheres by private payers will depend upon the payers coverage policy, medical necessity criteria and by your facilities contracted rates for individual plans. Commericial / Private Payer including Medicare Advantage plans insurance coverage varies between payers and their respective health plans. Coverage, coding, and reimbursement for SIR-Spheres Y-90 resin microspheres and related procedures should be confirmed with the payer to determine any applicable coverage policies or criteria prior to performing a procedure. Many national, regional, and local companies have determined SIR-Spheres Y-90 resin microspheres to be medically necessary. Pre-determination / prior authorization is recommended for most private insurance plans.

State or Managed Medicaid:

Medicaid is a public insurance program funded jointly by federal and state governments that provides safety-net coverage mainly to low-income and disabled beneficiaries. Medicaid is run at the state level, and coverage and benefit requirements vary from state to state. States structure Medicaid as a fee-for-service program or contract with private companies that administer individual Medicaid managed care plans. Medicaid coverage for SIR-Spheres Y-90 resin microspheres and actual coverage amounts will vary by state and plan type (Managed Medicaid vs. State Medicaid). Most Managed Medicaid plans will determine reimbursement based upon the terms of the contracts with individual providers. You will need to contact your patient's state or Managed Medicaid plan to determine the actual reimbursement.

Hospital Pre-determination Process / Prior Authorization:

Some commercial / private payer including Medicare Advantage plans, and State or Managed Medicaid plans may require providers to obtain a pre-determination or prior authorization for SIR-Spheres Y-90 resin microspheres coverage and related procedures. It is recommended that the coverage policies of your payer mix be researched and that applicable pre-determination requirements be understood <u>PRIOR</u> to treating the patient. Note: Obtaining a pre-determination / prior authorization is not a guarantee of coverage or payment. Coverage and payment determination can only be made at the time a claim is adjudicated.

Medicare Place of Service Payment Methodology				
Provider of Service	Place of Service Code	Medicare Payment Methodology		
Hospital Outpatient	22	Hospital Outpatient Prospective Payment System (OPPS) payments made based on CPT codes under Ambulatory Payment Classifications (APC)		
Ambulatory Surgery Center (ASC)	24	ASC payment rates are ~50-65% of hospital outpatient APC payment rates; SIR-Spheres Y-90 resin microspheres are paid at 100% of APC payment rate		

ICD-10 Diagnosis Codes:

The following diagnosis code range is specific to colorectal cancer (SIR-Spheres® Y-90 resin microspheres is approved for colorectal cancer that has metastasized to the liver).

C18.0 - C18.9	Malignant neoplasm of colon
C19.0 - C20.0	Malignant neoplasm of rectum
C78.7	Secondary malignant neoplasm of liver and intrahepatic bile duct

Microspheres Coding:

The HCPCS codes used to report use of SIR-Spheres Y-90 resin microspheres to payers may vary by plan type and the site of service where treatment is rendered. The following codes may be appropriate depending on payer guidelines:

HCPCS	Descriptor	Payer(s)	
C2616	Brachytherapy source, non-stranded, yttrium-90, per source	Fee for service Medicare, some commercial / private payers including Medicare Advantage plans	Hospital outpatient 22 ASC 24
S2095	Transcatheter occlusion or embolization for tumor destruction, percutaneous, any method, using yttrium-90 microspheres	Some commercial / Anthem, BC/BS, United Healthcare including Medicare Advantage plans	Hospital outpatient 22 ASC 24

Important Provider Notice:

National Correct Coding Initiative (NCCI) Edits may result in coding conflicts for various treatments and procedures. Providers should carefully review each quarter's NCCI edit updates. NCCI edits may be downloaded from the CMS website at: http://www.cms.gov/NationalCorrectCodInitEd.

Coding options for SIR-Spheres® yttrium-90 resin microspheres Therapy Medicare January 2022

			Facility Payment ⁶		Physician Payment ⁷	
CPT Code ⁴	APC⁵	CPT Description ⁴	Hospital Outpatient Department (HOPPS) POS 22	Ambulatory Surgery Center (ASC) POS 24	Physician in Facility Setting (MPFS) POS 22 & 24	
		PHASE I: PRE-PLANNING -	MAPPING CODES			
Selective	Catheteriza	ations				
36246	NA	Selective catheter placement; initial second order	\$00	\$00	\$255	
36247	NA	; initial third order or more	\$00	\$00	\$301	
36248	NA	; addl second order, third order and beyond	\$00	\$00	\$48	
Hepatic A	ngiogram			,		
75726	5184	Angiography, visceral, radiological S&I	\$4,870	\$00	\$95	
75774	NA	Angiography, selective, radiological S&I	\$00	\$00	\$47	
Embolizat	ion <i>(if indic</i>	ated)				
37242	5193 (J1*)	Arterial embolization or occlusion, inclusive of all radiological S&I arterial other than hemorrhage or tumor	\$10,258	\$6,495	\$477	
		*NOTE: The APC J1 status indicator for CPT 37242 provide considered integral, ancillary, supportive and/or adjunctive all services provided on the same day of service will be provided on the same day of service will be provided on the same day of service will be provided on the same day of services.	e to the primary service	(CPT 37242).5 If emboliz		
Treatmen	t Planning	– AU (Authorized User) Work				
7726210	NA	Treatment Planning; intermediate OR	\$00	\$00	\$109	
77263 ¹¹	NA	Treatment Planning; complex	\$00	\$00	\$170	
//203	1	3, 11		Ψ σ σ	Ψ170	
7737011	5611	Special Medical Radiation Physics Consultation	\$130	\$66	\$00	
7737011		3. 1	\$130 \$554	· ·	·	
	5611	Special Medical Radiation Physics Consultation		\$66	\$00	
77370 ¹¹ 77470 ¹² 77290	5611 5623	Special Medical Radiation Physics Consultation Special Treatment Procedure	\$554	\$66 \$28	\$00 \$108	
77370 ¹¹ 77470 ¹² 77290 77300	5611 5623 5612 5611	Special Medical Radiation Physics Consultation Special Treatment Procedure Complex Simulation	\$554 \$346	\$66 \$28 \$175	\$00 \$108 \$83	
77370 ¹¹ 77470 ¹² 77290 77300	5611 5623 5612 5611	Special Medical Radiation Physics Consultation Special Treatment Procedure Complex Simulation Basic Dosimetry Calculation	\$554 \$346	\$66 \$28 \$175	\$00 \$108 \$83	
77370 ¹¹ 77470 ¹² 77290 77300 3-D Post-	5611 5623 5612 5611 Processing	Special Medical Radiation Physics Consultation Special Treatment Procedure Complex Simulation Basic Dosimetry Calculation [for liver volume]	\$554 \$346 \$130	\$66 \$28 \$175 \$32	\$00 \$108 \$83 \$33	
77370 ¹¹ 77470 ¹² 77290 77300 3-D Post- 76376	5611 5623 5612 5611 Processing N	Special Medical Radiation Physics Consultation Special Treatment Procedure Complex Simulation Basic Dosimetry Calculation (for liver volume) 3D Post Scan, not requiring image post-processing	\$554 \$346 \$130 \$00	\$66 \$28 \$175 \$32	\$00 \$108 \$83 \$33	
77370 ¹¹ 77470 ¹² 77290 77300 3-D Post- 76376	5611 5623 5612 5611 Processing N	Special Medical Radiation Physics Consultation Special Treatment Procedure Complex Simulation Basic Dosimetry Calculation (for liver volume) 3D Post Scan, not requiring image post-processing Cone Beam CT (Medicare NCCI edit with 78580)	\$554 \$346 \$130 \$00	\$66 \$28 \$175 \$32	\$00 \$108 \$83 \$33	
77370 ¹¹ 77470 ¹² 77290 77300 3-D Post- 76376 76377 CT Acquis	5611 5623 5612 5611 Processing N N ition (may l	Special Medical Radiation Physics Consultation Special Treatment Procedure Complex Simulation Basic Dosimetry Calculation (for liver volume) 3D Post Scan, not requiring image post-processing Cone Beam CT (Medicare NCCI edit with 78580) be billed in conjunction with CPT code 76377)	\$554 \$346 \$130 \$00 \$00	\$66 \$28 \$175 \$32 \$00 \$00	\$00 \$108 \$83 \$33 \$10 \$39	
77370 ¹¹ 77470 ¹² 77290 77300 3-D Post- 76376 76377 CT Acquis 74170	5611 5623 5612 5611 Processing N N ition (may l) 5571 5571	Special Medical Radiation Physics Consultation Special Treatment Procedure Complex Simulation Basic Dosimetry Calculation (for liver volume) 3D Post Scan, not requiring image post-processing Cone Beam CT (Medicare NCCI edit with 78580) be billed in conjunction with CPT code 76377) CT, abdomen; w & w/o contrast	\$554 \$346 \$130 \$00 \$00 \$182	\$66 \$28 \$175 \$32 \$00 \$00	\$00 \$108 \$83 \$33 \$10 \$39	
77370 ¹¹ 77470 ¹² 77290 77300 3-D Post-176376 76377 CT Acquis 74170 74175 Pre-Treat	5611 5623 5612 5611 Processing N N ition (may l) 5571 5571	Special Medical Radiation Physics Consultation Special Treatment Procedure Complex Simulation Basic Dosimetry Calculation (for liver volume) 3D Post Scan, not requiring image post-processing Cone Beam CT (Medicare NCCI edit with 78580) be billed in conjunction with CPT code 76377) CT, abdomen; w & w/o contrast CTA; abdomen & pelvis, w & w/o contrast	\$554 \$346 \$130 \$00 \$00 \$182	\$66 \$28 \$175 \$32 \$00 \$00	\$00 \$108 \$83 \$33 \$10 \$39	
77370 ¹¹ 77470 ¹² 77290 77300 3-D Post- 76376 76377 CT Acquis 74170 74175 Pre-Treat	5611 5623 5612 5611 Processing N N ition (may l) 5571 5571 ment Imag	Special Medical Radiation Physics Consultation Special Treatment Procedure Complex Simulation Basic Dosimetry Calculation (for liver volume) 3D Post Scan, not requiring image post-processing Cone Beam CT (Medicare NCCI edit with 78580) be billed in conjunction with CPT code 76377) CT, abdomen; w & w/o contrast CTA; abdomen & pelvis, w & w/o contrast ing (provider preference)	\$554 \$346 \$130 \$00 \$00 \$182 \$182	\$66 \$28 \$175 \$32 \$00 \$00 \$92 \$92	\$00 \$108 \$83 \$33 \$10 \$39 \$69 \$88	
77370 ¹¹ 77470 ¹² 77290 77300 3-D Post- 76376 76377 CT Acquis 74170	5611 5623 5612 5611 Processing N N ition (may I) 5571 5571 ment Imag 5593	Special Medical Radiation Physics Consultation Special Treatment Procedure Complex Simulation Basic Dosimetry Calculation (for liver volume) 3D Post Scan, not requiring image post-processing Cone Beam CT (Medicare NCCI edit with 78580) be billed in conjunction with CPT code 76377) CT, abdomen; w & w/o contrast CTA; abdomen & pelvis, w & w/o contrast ing (provider preference) Liver imaging, static	\$554 \$346 \$130 \$00 \$00 \$182 \$182 \$500	\$66 \$28 \$175 \$32 \$00 \$00 \$92 \$92 \$253	\$00 \$108 \$83 \$33 \$10 \$39 \$69 \$88	
77370 ¹¹ 77470 ¹² 77290 77300 3-D Post- 76376 76377 CT Acquis 74170 74175 Pre-Treat 78201	5611 5623 5612 5611 Processing N N ition (may l) 5571 5571 ment Imag 5593 5591	Special Medical Radiation Physics Consultation Special Treatment Procedure Complex Simulation Basic Dosimetry Calculation (for liver volume) 3D Post Scan, not requiring image post-processing Cone Beam CT (Medicare NCCI edit with 78580) be billed in conjunction with CPT code 76377) CT, abdomen; w & w/o contrast CTA; abdomen & pelvis, w & w/o contrast ing (provider preference) Liver imaging, static Pulmonary perfusion imaging (Medicare NCCI edit 76377)	\$554 \$346 \$130 \$00 \$00 \$182 \$182 \$500 \$385	\$66 \$28 \$175 \$32 \$00 \$00 \$92 \$92 \$92 \$195	\$00 \$108 \$83 \$33 \$10 \$39 \$69 \$88 \$21 \$36	
77370 ¹¹ 77470 ¹² 77290 77300 3-D Post-1 76376 76377 CT Acquis 74170 74175 Pre-Treat 78201 78580	5611 5623 5612 5611 Processing N N ition (may I 5571 5571 ment Imag 5593 5591 5593	Special Medical Radiation Physics Consultation Special Treatment Procedure Complex Simulation Basic Dosimetry Calculation (for liver volume) 3D Post Scan, not requiring image post-processing Cone Beam CT (Medicare NCCI edit with 78580) be billed in conjunction with CPT code 76377) CT, abdomen; w & w/o contrast CTA; abdomen & pelvis, w & w/o contrast ing (provider preference) Liver imaging, static Pulmonary perfusion imaging (Medicare NCCI edit 76377) Radiopharmaceutical localization of tumor (SPECT)	\$554 \$346 \$130 \$00 \$00 \$182 \$182 \$500 \$385 \$1,335	\$66 \$28 \$175 \$32 \$00 \$00 \$92 \$92 \$92 \$195 \$676	\$00 \$108 \$83 \$33 \$10 \$39 \$69 \$88 \$21 \$36 \$51	

This information is provided as a guide for coding services involving SIR-Spheres Y-90 resin microspheres administration and is not intended to increase or maximize reimbursement by any payer. We suggest consulting your third-party payer organizations with regard to local coverage, coding and reimbursement policies.

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Coding options for SIR-Spheres® yttrium-90 resin microspheres Therapy Medicare January 2022

			Facility Payment ⁶		Physician Payment ⁷
CPT Code ⁴	APC ⁵	CPT Description ⁴	Hospital Outpatient Department (HOPPS) POS 22	Ambulatory Surgery Center (ASC) POS 24	Physician in Facility Setting (MPFS) POS 22 & 24
		PHASE II: DAY OF TREATMENT (Admi	nistration / Implant)°	
Selective	Catheteri	zations			
36247	NA	Selective catheter placement; initial third order or more	\$00	\$00	\$301
36248	NA	; additional second order, third order and beyond	\$00	\$00	\$48
Hepatic A	ngiogram				
75726	5184	Angiography, visceral, radiological S&I	\$4,870	\$00	\$95
75774	NA	Angiography, selective, radiological S&I	\$0	\$00	\$47
Coding Op	ptions for	Billing of Sources (Yttrium-90 Microspheres – non stranded)			
C2616	2616	Brachytherapy source (yttrium-90 non stranded) (Medicare)	\$17,763	\$17,763	NA
S2095	NA	Transcatheter embo for tumor destruction using yttrium-90 microspheres	Contracted Price	Contracted Price	NA
Tumor En	nbolizatio	n			
37243	5193 (J1*)	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 infarction	\$10,258	\$4,366	\$559
		*NOTE: The APC J1 status indicator for CPT 37243 provides one b facility setting considered integral, ancillary, supportive and/or ac			
Microsph	eres Adm	inistration: Authorized User Codes (AU)			
7726210	NA	Treatment Planning; intermediate OR	\$00	\$00	\$109
7726311	NA	Treatment Planning; complex	\$00	\$00	\$170
7737011	5611	Special Medical Radiation Physics Consultation	\$130	\$66	\$00
7747012	5623	Special Treatment Procedure	\$554	\$28	\$108
77290	5612	Complex Simulation	\$346	\$175	\$83
77300	5611	Basic Dosimetry Calculation	\$130	\$32	\$33
79445	5661	Radiopharmaceutical therapy, intra-arterial particulate admin (1 doctor model (IR/AU)	\$258	\$131	\$111
7777814	5624	Interstitial radiation source application; complex (2 Doctor model IR with separate AU)	\$725	\$367	\$464
7779015	NA	Supervision, handling, loading of radiation source	\$00	\$00	\$00
Post-Trea	atment Im	aging (provider preference)			
74170	5571	CT, abdomen; w & w/o contrast	\$182	\$92	\$69
74175	5571	CTA; abdomen & pelvis, w & w/o contrast	\$182	\$92	\$88
78201	5592	Liver imaging, static	\$500	\$253	\$21
78580	5991	Pulmonary perfusion imaging (Medicare NCCI edit 76377)	\$385	\$195	\$36
78803	5593	Radiopharmaceutical localization of tumor (SPECT)	\$1,335	\$676	\$51
78814	5594	PET/CT limited	\$1,512	\$766	\$104

This information is provided as a guide for coding services involving SIR-Spheres Y-90 resin microspheres administration and is not intended to increase or maximize reimbursement by any payer. We suggest consulting your third-party payer organizations with regard to local coverage, coding and reimbursement policies.

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References

- 1. Gray et al. Ann Oncol 2001;12:1711-20
- 2. van Hazel et al. *J Surg Oncol* 2004;88:78–85
- 3. Hendlisz et al. J Clin Oncol 2010;28:3687-94
- 4. CPT Copyright 2022 American Medical Association. All rights reserved. CPT® is a registered trademark of the American Medical Association. Note: Some CPT descriptors have been shortened for purposes of brevity. See your CPT Guide for full descriptors and coding guidelines.
- 5. APC Group/Status Indicators:
 - J1: Comprehensive APC accounts for all costs and services typically involved in the provision of the complete primary procedure (including all secondary services performed on the day of the comprehensive service with status indicators N, Q, S, T, etc.)
 - N: Payment packaged into payment for other services; no separate APC payment.
 - NA: Code not applicable for payment in the OPPS;
 - Q2/T: Packaged APC payment if billed on the same date of service as a HCPCS code assigned status indicator "T" or "J1". In other circumstances, payment is made through a separate APC payment.
- 6. The codes and national average payment rates shown are reflective of the Medicare Hospital Outpatient Prospective Payment and Ambulatory Surgical Center Payment Systems and Quality Reporting Programs, 2022 Final Rule Correction Notice, OPPS Addendum B 01142022 and ASC Final Addenda 01142022. Payment rates do not reflect sequestration reductions.
- 7. The codes and national average payment rates shown are reflective of the 2022 Medicare Physician Fee Schedule as outlined in the Calendar Year 2022 (CSM-1751-F), Addendum B (121621) using 2022 Final MPFS 2022 conversion factor 34.6062.
- 8. Physician "Facility" payment refers to procedures performed in the facility setting (hospital or ASC); physicians receive payment under the Facility rate for services performed in the Facility site of service.
- 9. The possible coding options listed in this section are based on Medicare guidelines and society recommendations. Medicare base case coding scenarios typical for one mapping and one treatment in the hospital outpatient, ASC setting follow this section.
- 10. Treatment planning should be billed and dictated separately prior to microspheres administration.
- 11. Use of this code requires a written order by the physician.
- 12. Used for brachytherapy and in circumstances requiring extra work over and above basic dosimetry calculation:
 Patient with previous chemo, receiving concurrent chemo, or external beam radiation to the body/liver.
 AU must review current CT scan, liver function studies and ECOG performance status to determinate % yttrium-90 dose to be adjusted taking into account previous treatments. Often used as a re-treatment code.
 Should be supported by clinical treatment note.
- 13. Do NOT code CPT 79445 for the injection of TC99 MAA on the mapping day as this is considered part of the nuclear medicine exam.
- 14. Medicare NCCI edit with 37243.
- 15. Medicare packages this service with CPT 79445.



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