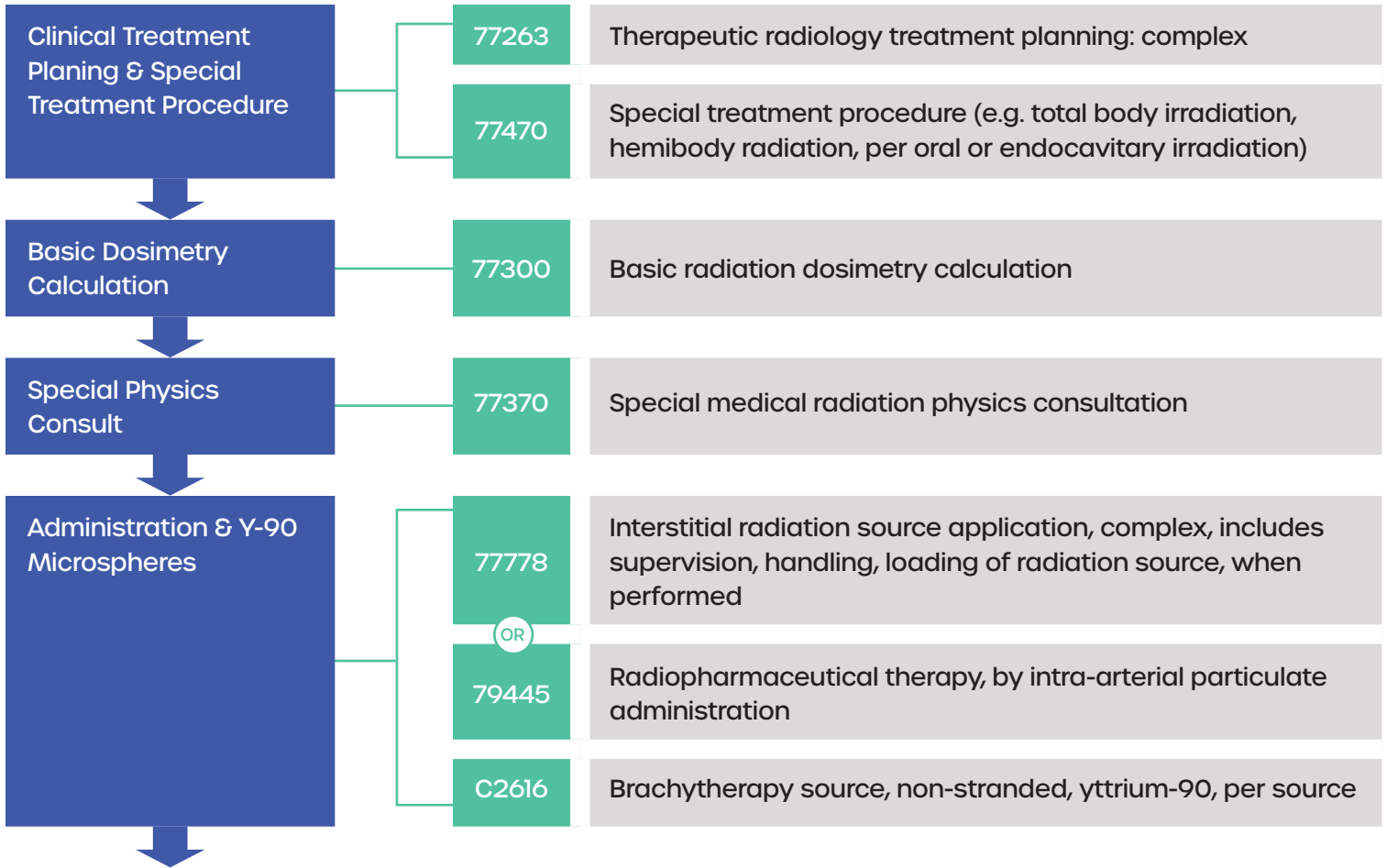
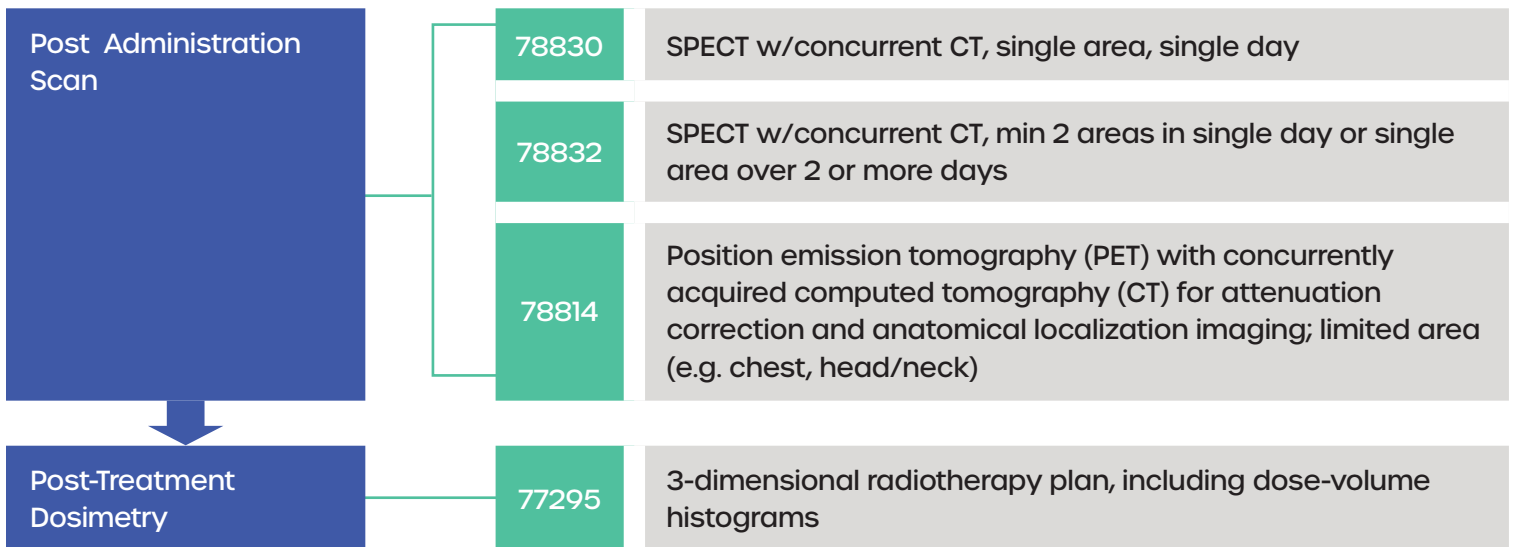


YTTRIUM 90 (Y-90) MICROSPHERE

POST DIAGNOSTIC ANGIOGRAPHY CLINICAL TREATMENT PLANNING



POST Y-90 ADMINISTRATION DOSIMETRY



VOXIMETRY

Clinical Treatment Planning & Special Treatment Procedure	77263	Therapeutic radiology treatment planning; complex
	<p>The physician clinical treatment plan is a narrative note outlining their cognitive thought process for the course of treatment. Being categorized within the area of brachytherapy, a complex treatment plan could be supported. Physician documentation must support the complexity and provide detailed orders for all services necessary for the course of treatment.</p>	
	77470	Special treatment procedure (e.g. total body irradiation, hemibody radiation, per oral or endocavitary irradiation)
<p>Documented within the clinical treatment plan, description of the extra work and resources provided to the patient is needed by the physician to support billing a special treatment procedure.</p>		
<p>Both clinical treatment planning and special treatment procedure are billable once per course of treatment, at the beginning of the course of treatment.</p>		
Basic Dosimetry Calculation	77300	Basic radiation dosimetry calculation, central axis depth dose calculation, TDF, NSD, gap calculation, off axis factor, tissue inhomogeneity factors, calculation on non-ionizing radiation surface and depth dose, as required during course of treatment, only when prescribed by the treating physician
	<p>Once the target and/or volumes have been identified a calculation to determine the Y-90 dose to be administered is performed.</p>	
	<p>The mathematical work of calculating the patient specific dose amount must be reflected within the documentation and approved by the physician.</p>	
Special Physics Consult	77370	Special medical radiation physics consultation
	<p>The physician would need to provide a specific order requiring the qualified medical physicist to provide expertise related to the receipt, management, and verification of the Y-90 radioembolization.</p>	
	<p>Documentation of the physician's request as well as a detailed procedure note by the qualified medical physicist, including the physician's approval, is needed to support the code.</p>	

VOXIMETRY

Administration & Y-90 Microspheres	77778	Interstitial radiation source application, complex, includes supervision, handling, loading of radiation source, when performed
	OR	
	79445	Radiopharmaceutical therapy, by intra-arterial particulate administration
	<p>When the radiation oncologist performs the Y-90 administration the delivery code is reported with CPT® 77778. In the event a commercial payer does not accept CPT® 77778, code 79445 could be reported.</p> <p style="background-color: #1a3d54; color: white; padding: 5px;">In the hospital setting, Medicare does not reimburse for Y-90 administration as it is considered included in the established embolization code, CPT® 37243.</p>	
	C2616	Brachytherapy source, non-stranded, yttrium-90, per source
	<p>HCPSC code C2616 is reported in the hospital setting and will require a modifier (such as -XU or -59) when billed on the same date as SPECT CPT® code 78830 or 78832.</p> <p style="background-color: #1a3d54; color: white; padding: 5px;">Yttrium-90 microspheres are billed per vial and supported by documentation in the medical record.</p>	
Post Administration Scan	78830	SPECT w/concurrent CT, single area, single day
	78832	SPECT w/concurrent CT, min 2 areas in single day or single area over 2 or more days
	78814	Position emission tomography (PET) with concurrently acquired computed tomography (CT) for attenuation correction and anatomical localization imaging; limited area (e.g. chest, head/neck)
	<p>Dependent on provider preference and medical necessity.</p> <p style="background-color: #1a3d54; color: white; padding: 5px;">There may be other potential codes the provider could select from depending on the exact scenario, payer acceptance, and medical necessity.</p>	
Post-Treatment Dosimetry	77295	3-dimensional radiotherapy plan, including dose-volume histograms
	<p>Planning must include a delineation of volumes, dose-volume histogram (DVH) with a tumor volume and at least one critical structure outlined, and a 3-D dose cloud rendering of the treatment volumes.</p> <p style="background-color: #1a3d54; color: white; padding: 5px;">Post-treatment dosimetry must meet all of the outlined required components 3-dimensional planning and include approval, to support billing CPT® 77295.</p>	

DISCLAIMER

Actual coding is dependent upon medical necessity, physician orders, documentation, and patient needs. Coverage and limitation on Yttrium 90 (Y-90) spheres and use of TORCH™ software may vary by payer. Documentation of the physician's clinical treatment plan contains details of the orders for the procedure and as defined by payer guidelines, this is not the prescription. A procedure note by the physician detailing the date and time of the procedure and everything that took place, including the handling

and loading, delivered dose, and the status of the patient following administration. Per AMA if the interventional radiologist is the sole authorized user and administers the Y90, 79445 should be billed. But, if the radiation oncologist is the sole authorized user and administers the Y90, 77778 should be billed. Documentation of the 3D plan from the TORCH™ software system with delineated volumes and DVH must be signed by the physician and physicist and available in the medical record.