



2019 Billing and Coding Reference

Dosimetry for Y90 Microsphere Therapy with RapidSphere

Velocity™ RapidSphere™ image-guided Y90 dosimetry provides a comprehensive solution for Yttrium-90 (Y90) microsphere post-therapy planning and evaluation. Contouring, registration, and plan evaluation are fundamental elements of RapidSphere for saving time in evaluating post-treatment Y90 microsphere therapy.

Key features include:

- Multi-modality rigid and deformable image registration (CT/MR/PET/SPECT/CBCT)
- Absorbed dose calculation for post-treatment Y90 Bremsstrahlung SPECT imaging
- Contouring platform provides semi-automated segmentation methods to assist with contouring of structures
- Radiation therapy (RT) plan evaluation tools for 3D dose distributions and dose-volume histograms (DVHs)
- Treatment response assessment tools including real-time lesion tracking designed to help with pre-treatment, treatment, and post-treatment radiographic response
- Image registration and fusion platform allows rapid integration of all images and treatment plans

Coding for Velocity™ RapidSphere

The following chart contains Current Procedural Terminology (CPT®) and Healthcare Common Procedure Coding System (HCPCS) codes that may be appropriate when using RapidSphere to perform a 3D treatment plan for post-treatment evaluation of Y90 microsphere therapy. Three dimensional therapy planning, using a computer-generated reconstruction of a tumor volume and surrounding critical structures, includes beam's eye view, dose-volume histograms and 3D dose clouds.

HOSPITAL OUTPATIENT AND PHYSICIAN PROFESSIONAL ONLY CODING

2019 national average Hospital Outpatient Prospective Payment System (HOPPS) and Medicare Physician Fee Schedule (MPFS) professional reimbursement

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| CPT | Descriptor | Hospital Technical ¹ | | Professional | |
|-------|---|---------------------------------|---------|------------------|----------------------|
| | | APC | Payment | RVU ² | Payment ³ |
| 77295 | 3-dimensional radiotherapy plan, including dose-volume histograms | 5613 | \$1,192 | 6.40 | \$231 |

1 Obtained from the 2019 HOPPS Addendum B posted to CMS.gov on 12/18/18.

2 Obtained from the 2019 MPFS Addendum B posted to CMS.gov on 11/2/18.

3 Calculated using the 2019 conversion factor (CF) of \$36.0391.

For more information on how payment rates are calculated, visit the CMS website at www.cms.gov/Outreach-and-Education/Medicare-Learning-Network-MLN/MLNProducts/downloads/HospitalOutpaysfctsh.pdf to review the Hospital Outpatient Prospective Payment System Fact Sheet or at www.cms.gov/Outreach-and-Education/Medicare-Learning-Network-MLN/MLNProducts/downloads/MedcrePhysFeeSchedfctsh.pdf to review the Medicare Physician Fee Schedule Payment System Fact Sheet. Providers must negotiate with commercial payer plans to establish contracted payment rates.

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Not all features and products are available in all markets.

Intended Use Summary

Varian Medical Systems' linear accelerators are intended to provide stereotactic radiosurgery and precision radiotherapy for lesions, tumors, and conditions anywhere in the body where radiation treatment is indicated.

Safety Statement

Radiation treatments may cause side effects that can vary depending on the part of the body being treated. The most frequent ones are typically temporary and may include, but are not limited to, irritation to the respiratory, digestive, urinary or reproductive systems, fatigue, nausea, skin irritation, and hair loss. In some patients, they can be severe. Treatment sessions may vary in complexity and time. Radiation treatment is not appropriate for all cancers.

Medical Advice Disclaimer

Varian as a medical device manufacturer cannot and does not recommend specific treatment approaches. Individual treatment results may vary.

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