

# Treatment Devices - Radiation Oncology Coding Standard

CPT Codes: 77332, 77333, 77334, 77338

- **Original Date: April 2011**
- **Last Review Date: November 2020**
- **Last Revised Date: November 2015**
- **Implementation Date: January 2021**

## Treatment Devices (77332, 77333 & 77334)

### *Professional and Technical*

There are two types of treatment devices. The first is immobilization devices which assist in establishing and maintaining a reproducible treatment position for the patient undergoing radiation therapy treatments. These may include Aquaplast® masks, Alpha Cradles®, Vac-Lok™, etc. The second is beam-modifying devices, which assists in creating the shape of the treatment portal and protects critical structures near or within the area receiving radiation. Examples of beam modifying devices include blocking designed with multileaf collimators, wedges, tissue compensators etc.

- **77332** Treatment devices, design and construction; simple (simple block, simple bolus).
- **77333** Treatment devices, design and construction; intermediate (multiple hand blocks, stents, bite blocks, special bolus)
- **77334** Treatment devices, design and construction; complex (irregular blocks, special shields, compensators, wedges, molds or casts).

Not Billable	Simple 77332	Intermediate 77333	Complex 77334
<ul style="list-style-type: none"> <li>• Rings</li> <li>• Shoulder retractor</li> <li>• Pillows</li> <li>• Knee sponges</li> <li>• Head rests</li> <li>• Wingboards</li> <li>• Bellyboards</li> <li>• Prone pillows</li> </ul>	<ul style="list-style-type: none"> <li>• Non-custom bolus</li> <li>• Vaginal cylinder</li> <li>• Prostate template/grid for interstitial needle placement</li> <li>• Tandem &amp; ovoid</li> <li>• Skin HDR applicator</li> <li>• Breastboard</li> <li>• Asymmetric jaws</li> <li>• Rectal balloon (standard filled)</li> <li>• Pre-made electron cutout</li> <li>• External eye shields</li> </ul>	<ul style="list-style-type: none"> <li>• Bite block</li> <li>• Testicular shield</li> <li>• Custom bolus</li> </ul>	<ul style="list-style-type: none"> <li>• IMRT Compensators</li> <li>• Custom multileaf collimator (MLC)</li> <li>• Aquaplast Masks</li> <li>• Custom cradles/bags</li> <li>• SRS Headframe</li> <li>• Custom molds</li> <li>• Wedges</li> <li>• Rectal balloon (custom filled)</li> <li>• Internal eye shields</li> <li>• Any custom-made device</li> </ul>
<p>Custom is defined as any item molded or created for a particular patient, which cannot be utilized for another patient’s treatment. Custom devices may have the ability to be redesigned for another patient later (i.e., Vac-Lok™).</p>			

Multiple beam modification devices per port of entry are not billable. Only one beam modifying treatment device is billable per port. For example, an MLC, wedge and bolus all modifying a single port is billable as a quantity of one (1) at the level of the highest billable device.

Mirrored devices occur when the treatment fields are parallel opposed, and the devices are a mirror image of each other. A mirrored pair of devices is billable as one professional and one technical device between the two ports. If the devices between the parallel opposed fields are different, then one device per port is billable.

Multiple immobilization devices are allowed as billable on the same day of service. For example, a breastboard and a Vac-Lok™ are two devices that are both billable, the Vac-Lok™ at complex 77334 and the breastboard (when components associated with the device are not removed) is simple at 77332. Another example, an Aquaplast® mask (CPT® 77334) and a bite block (CPT® 77333) may be billed on the same date of service.

A rectal balloon, a disposable device, is billable as a complex device but only as a quantity of one (1) per course of therapy when the fill of the balloon is customized to the patient's anatomy. If the fill of the balloon is standard, the rectal balloon is billable as a simple device but only as a quantity of one (1) per course of therapy. Although a new rectal balloon may be utilized daily, only one balloon is billable per course of treatment.

Complex treatment devices (CPT® 77334) are billable per individually documented IMRT compensator utilized for treatment. CPT® 77334 is not billable for IMRT devices produced by MLC. MLC based IMRT devices are billable as CPT® 77338 and is allowed in a quantity of one (1) per IMRT plan.

### Standards for CPT® 77332, 77333 and 77334

- Immobilization devices are billable as many times as they are created, but only once per device.
- One (1) complex treatment device (CPT® 77334) may be approved for each external beam course of therapy for an immobilization device created during simulation. If an immobilization device is not created by the provider, the authorization must not be utilized.
- For brachytherapy, one (1) treatment device may be approved for each placement when there is a change in the device utilized and medical necessity to support the change. Utilization of the same device, size, and type, for each fraction of brachytherapy is billable only once at the initial placement. Per ASTRO, a device that is left in place for more than one fraction is billed only once.
- One (1) complex treatment device (CPT® 77334) may be approved for each prostate external beam course of therapy for a rectal balloon when the balloon is custom filled to the patient's anatomy. If the rectal balloon uses a standard fill, one (1) simple treatment device (CPT® 77332) is approved. If a rectal balloon is not utilized for treatment, the authorization must not be utilized.
- Beam-modifying devices: only one device is billable per port/field.
- Mirrored parallel opposed pair of devices is billable as a quantity of one (1).
- For dosimetry/planning services, beam-modifying treatment devices may be approved up to the maximum number below per phase of treatment and documentation is present to support each device.
  - 2D, 3D and IMRT Compensator Based treatment deliveries is nine (9)
  - Proton is nine (9)
  - SBRT is ten (10)
  - LDR Brachytherapy is one (1)
  - HDR Brachytherapy is one (1)
- Additional services may be requested and will be reviewed for medical necessity based on individual patient circumstances.

### IMRT Treatment Device (77338)

#### *Professional and Technical*

- **77338** Multileaf collimator (MLC) device(s) for intensity modulated radiation therapy (IMRT), design and construction per IMRT plan

The IMRT device code was developed to account for the work and practice expense unique to the design and construction of a multileaf collimator device used for intensity modulated radiation therapy (IMRT). This code is to be billed only once per MLC-based IMRT plan, regardless of the number of ports constructed for the plan. An IMRT device (CPT® 77338) may be billed for a boost

plan even if the IMRT plan (CPT® 77301) is not billable. For compensator based IMRT courses, each compensator is billed using the complex treatment device code (CPT® 77334).

### Standards for CPT® 77338

- CPT® 77338 is billable as a quantity of one (1) only.
- CPT® 77338 may only be billed one (1) time per IMRT plan created.
- CPT® 77338 is billable in conjunction with an IMRT plan (CPT® 77301) only and not with any other type of isodose planning. In the event of an IMRT boost, the treatment device is allowed even though the additional plan may not be allowed. This code is reserved for MLC based IMRT devices only.
- One (1) IMRT treatment devices (CPT® 77338) may be approved per phase of medically necessary, MLC-based IMRT treatment.

### Sources

The NIA Coding Standards are created and maintained by NIA based on our understanding of:

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- Local and National Medicare Coverage Determinations (LCDs and NCDs)
- Office of the Inspector General (OIG) compliance standards
- National Correct Coding Initiative (NCCI) edits
- Centers for Medicare and Medicaid Services (CMS) Internet Only Manuals (IOM).

NIA incorporated accepted standards of care in radiation oncology and is based on review of sources such as the American Society of Therapeutic Radiation Oncology (ASTRO) model policies coding guidelines.