

RTOG 0225 TV Definitions

- Dr. Beau Toy (Radiation Oncology Centers of Las Vegas, Las Vegas, NV) has pointed out that there is an inconsistency with target volume definitions in RTOG 0225:
 - RTOG 0225 (specifically section 6.3) seems to differ from our current practice as well as the comments of the Protocol Study Chair as it relates to clinical target definitions.
 - Firstly, though 6.2.1 suggests (ICRU-50) that in general the $CTV = GTV + 5mm$. It refers to section 6.3.1 for details.
 - Would the following definitions be appropriate for RTOG 0225?

RTOG 0225 TV Definitions

- GTV = CT or MRI identified tumor and LN > 1cm or necrotic center
- CTV 70 = GTV + 5 mm
- CTV 59.4 = [CTV 70 + 5mm] (section 6.3.1) + Anatomical Zones (section 6.2.2.1) + High Risk LN (section 6.2.2.2)
- CTV 50.4 = is only defined for those centers using non-IMRT delivery to the supraclavicular region.
- PTV 70 = CTV 70 + 5mm = GTV +10 mm
 - which is also the first of three component of the CTV 59.4 where [CTV 70 + 5mm] (section 6.3.1)
- PTV 59.4 = [PTV 70 + Anatomical Zones (section 6.2.2.1) + High Risk LN (section 6.2.2.2)] + 5mm
- PTV 50.4 is not applicable for IMRT