**Supplementary Appendix: CTV margin recommendations from consensus guideline atlases**.

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| --- | --- | --- | --- | --- | --- |
|  | Superior margin | Inferior margin | Lateral margin | Anterior margin | Posterior margin |
| RTOG | Level of cut end  of vas deferens  or 3–4 cm above  top of symphysis  (Vas may retract  postoperatively).  Include seminal  vesicles if  pathologically  involved. | 8–12 mm below  VUA (may include more if concern for  Apical margin). Can extend to slice above penile bulb if  VUA not well visualized. | Levator ani and  obturator internus  (caudal);  Sacrorectogenito pubic fascia (cranial).  If concern about  extraprostatic disease at base may extend to  obturator internus. | Posterior edge of pubic bone  (caudal);  Post 1-2 cm  of bladder  wall (cranial). | Anterior rectal wall (caudal) -  May need  to be concave  around lateral  aspects;  Mesorectal  Fascia (cranial). |
| EORTC | Bladder neck  and up to base  of seminal  vesicles.  Include seminal vesicles if pathologically  involved. | 15 mm cranially  from the penile  bulb or at the  apex. | Include up to the  neurovascular bundles (if removed up to the ilio-obturatic muscles). | Include  anastomosis  and the urethral  axis. | Up to but  not including  the outer rectal wall (caudal);  Most posterior  part of the  bladder (cranial). |
| FROGG | Encompass all  of the seminal  vesicle bed as  defined by non vascular clips and should include the distal portion of the vas deferens.  Include seminal  vesicles if  pathologically  involved. | 5–6 mm below the VUA  (extended lower  to include all  surgical clips).  When VUA is poorly defined,  inferior border will be the slice above the penile bulb. | Medial border of the levator ani or obturator internus. | Posterior  edge of  symphysis  pubis (caudal)  Posterior  1.5 cm of  the bladder  (cranial). | Anterior  rectal wall  and levator ani (caudal);  Anterior  mesorectal  fascia  (cranial) |

**Abbreviations:** PMH = Princess Margaret Hospital; EORTC = European Organization for

Research and Treatment of Cancer; RTOG = Radiation Therapy Oncology Group; FROGG=Faculty of Radiation Oncology Genito-Urinary Group, VUA= vesicourethral anastomosis