



Figure S1. Real-time variability of position in CTV and rectal filling during MRgRT for a prostate cancer patient. CTV contour is shown in green when more than 7% is outside of the gating boundary (PTV in blue) triggering thereby a beam-hold. CTV contour in red means the target is inside the boundary within the preset value (>93%) and beam is on. Frame rate during acquisition is 4fps.