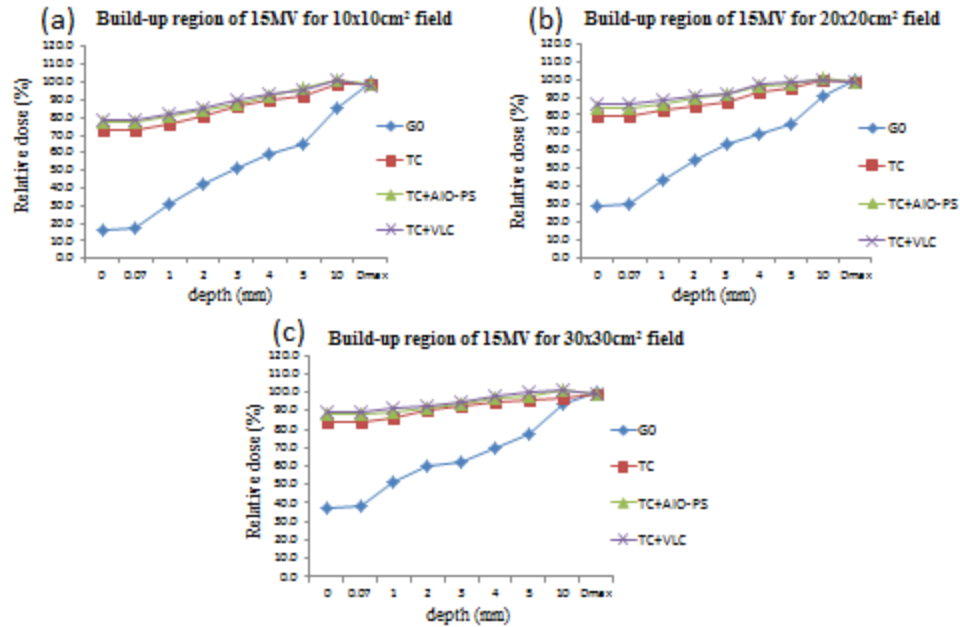
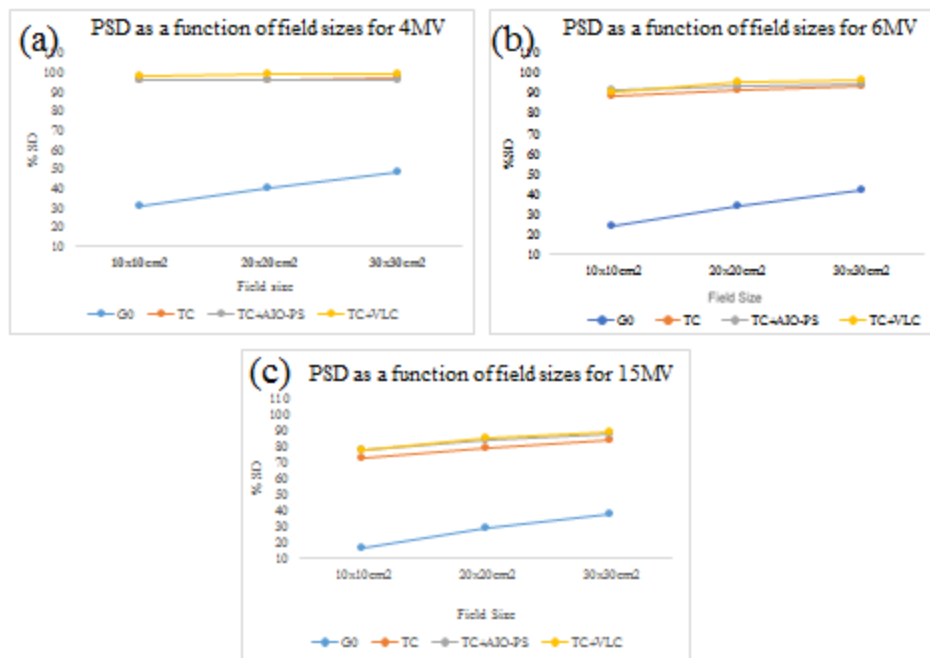


Supplementary Figure 1: Build-up regions for gantry angle at 0° and 180° with inclusion of TC, TC with AIO – PS and TC with VLC for 10x10cm² (a), 20x20cm² (b) and 30x30cm² (c) of 6MV photon beam



Supplementary Figure 2: Build-up regions for gantry angle at 0° and 180° with inclusion of TC, TC with AIO – PS and TC with VLC for 10x10cm² (a), 20x20cm² (b) and 30x30cm² (c) of 15MV photon beam



Supplementary Figure 3: PSD results for gantry angle at 0° and 180° with inclusion of TC, TC with AIO – PS and TC with VLC for 4MV (a), 6MV (b) and 15MV (c) photon beams at field sizes of 10x10cm², 20x20cm² and 30x30cm².