

**Figure S3:** Upper row: Representative coronal (a) and sagittal (b) CT slices overlaid with reconstructed dose distribution of Arm 1 cat patient (*CatNr 2*) for illustration purposes. The 5 mm bolus is indicated by a rose contour.

Lower row: Representative coronal (c) and sagittal (d) CT slices overlaid with reconstructed dose distribution of Arm 2 cat patient (*CatNr 6*) for illustration purposes. Location of osteonecrosis is indicated by light green contour in sagittal view (b).

