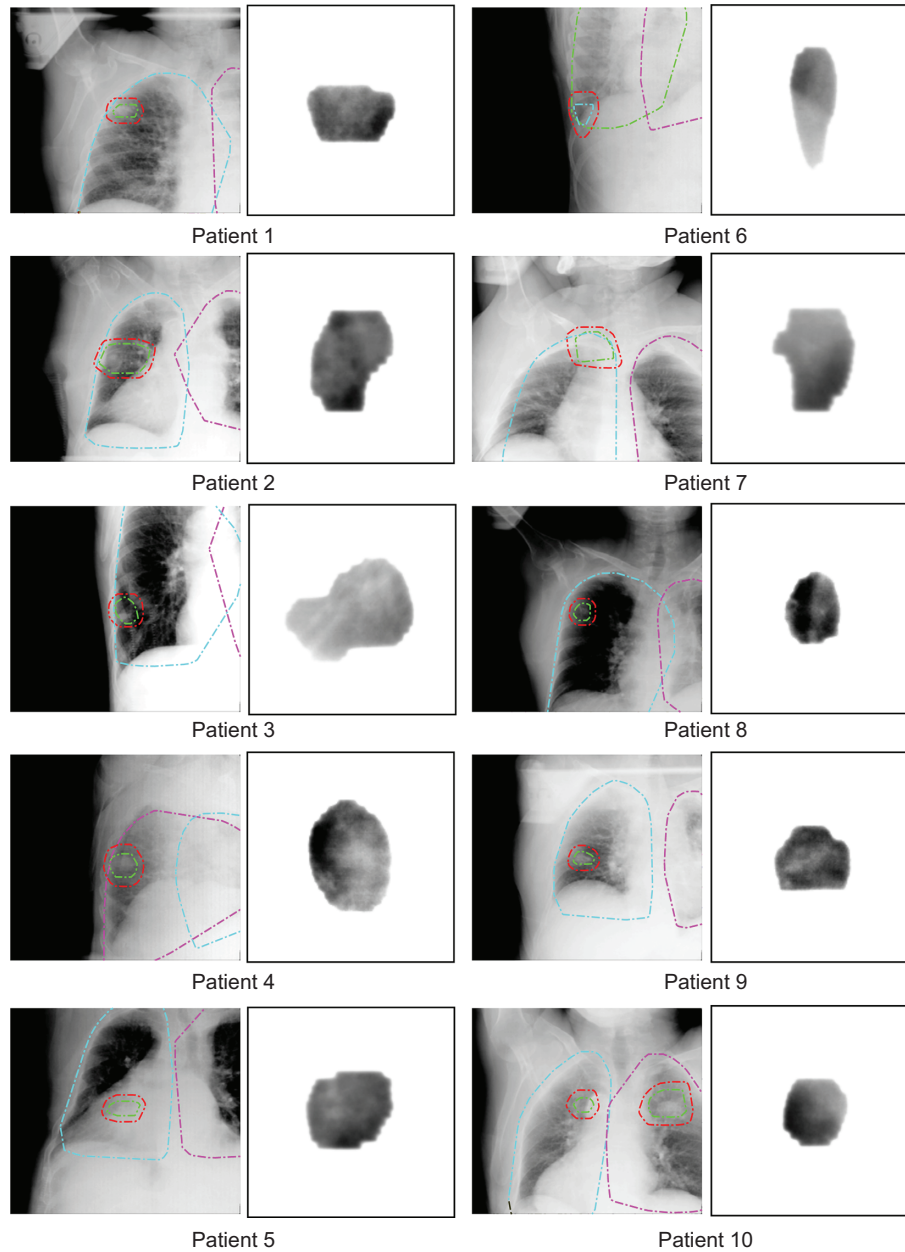
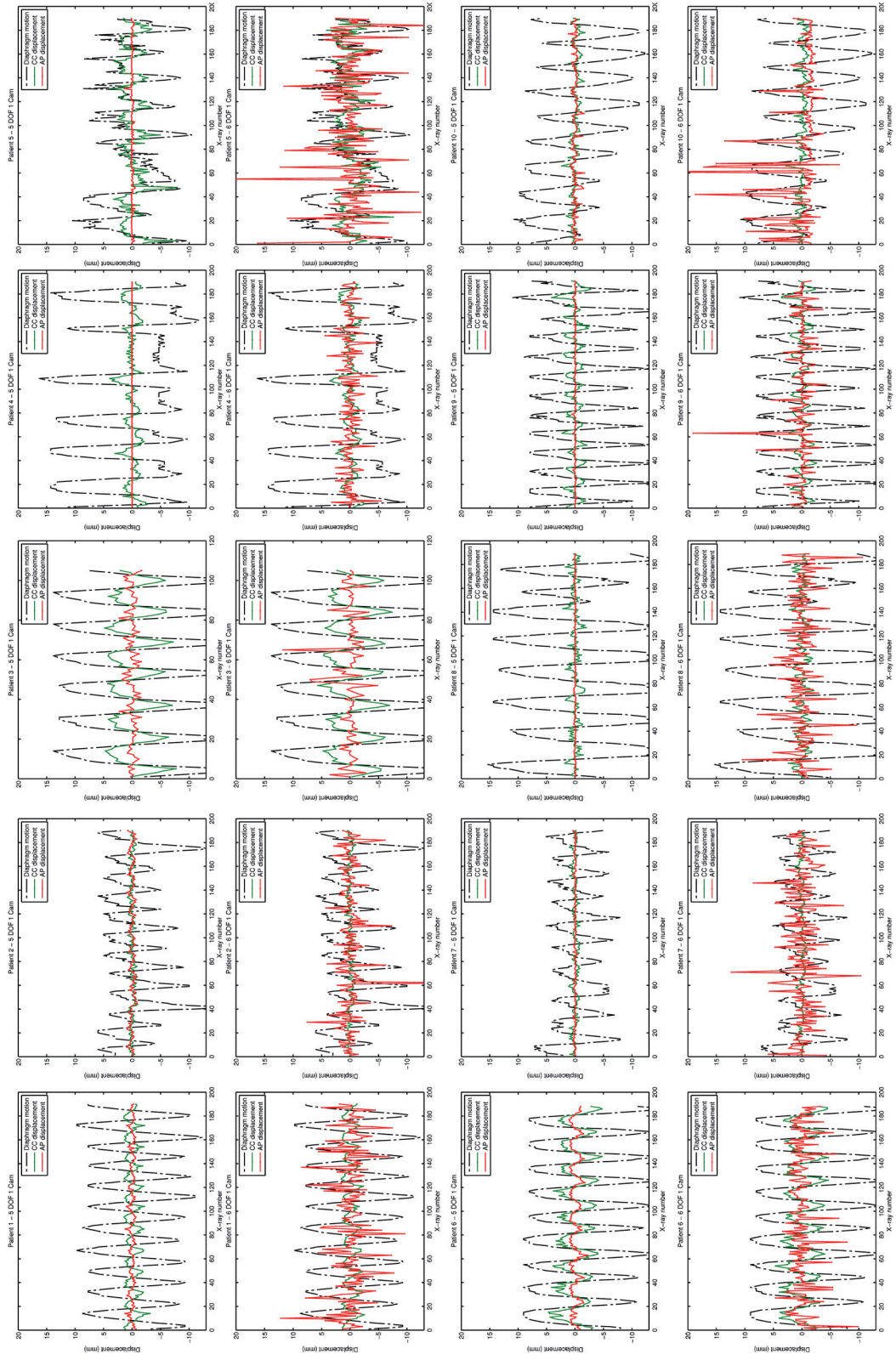


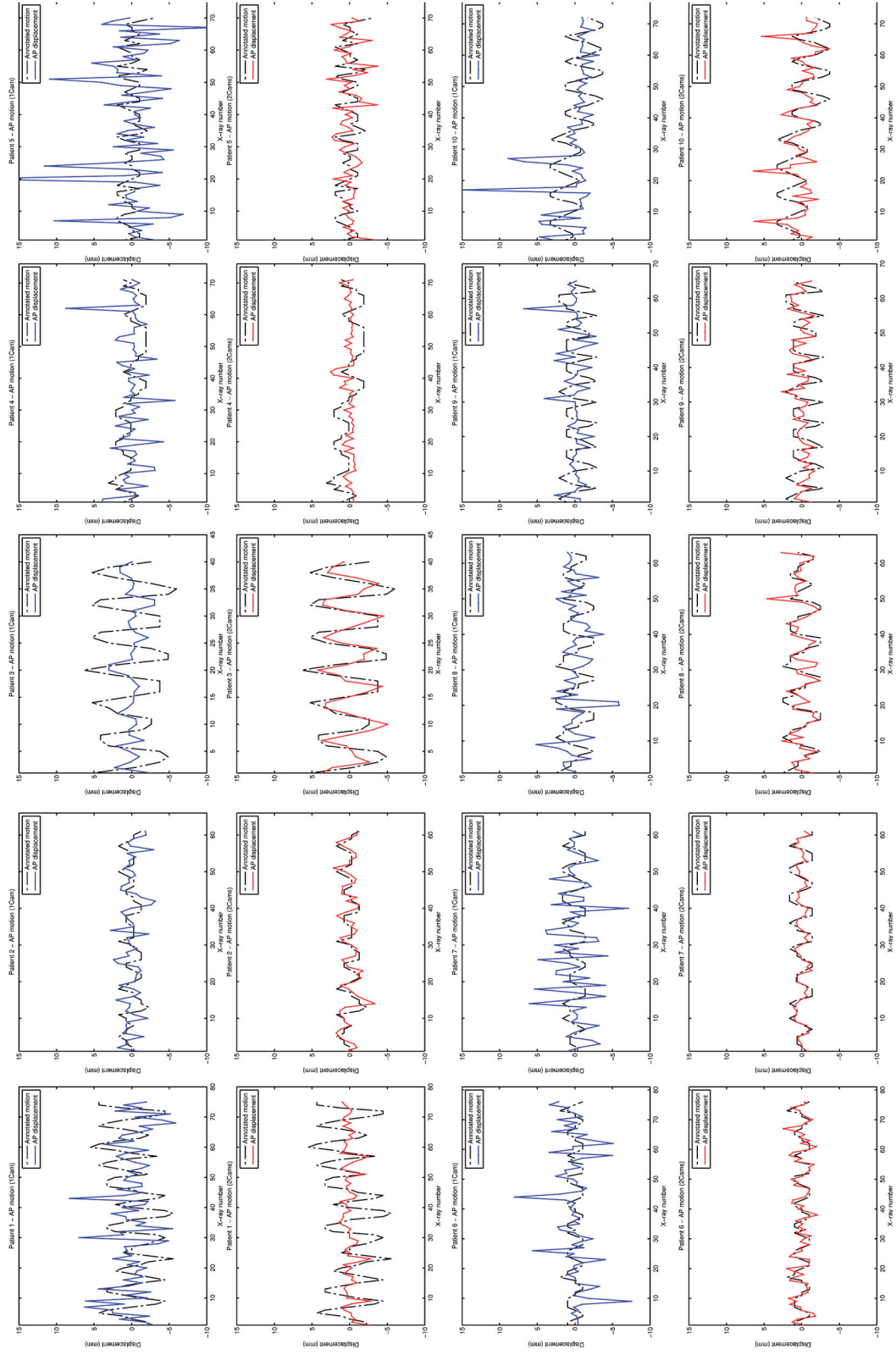
*Supplementary material for Furtado H. et al. Real-time 2D/3D registration using kV-MV image pairs for tumor motion tracking in image guided radiotherapy, Acta Oncologica, 2013;52:1464–1471.*



Supplementary Figure 1. Representative example of the fluoroscopy image data used in our study for each patient. The first and third columns show one kV fluoroscopy image for each patient with the left (cyan) and right (magenta) lungs, the CTV (green) and the PTV (red) contours projected. The second and fourth columns show one MV fluoroscopy image for each patient.



Supplementary Figure 2. Plots of the extracted displacement along CC (green) and AP (red) directions comparing five (1st and 3rd rows) and six (2nd and 4th rows) DOF when using one projection image sequences. Both plots are compared with the diaphragm motion.



Supplementary Figure 3. Plots of the extracted displacement along the AP direction in six DOF when using one (blue, 1st and 3rd rows) or two (red, 2nd and 4th rows) projection image sequences. Both plots are compared with the annotated motion (dashed line).