eAppendix  A 2D (SI-AP plane) Schematic of marker position analysis to determine deformation (a) individual marker positions and their COM (solid circle) at planning (day 0) (b) individual marker positions and their COM (solid circle) during treatment (day n) (c) marker positions after COM correction. $\delta_i$(SI) and $\delta_i$(AP) are the displacements of the $i$th marker in the SI and AP direction respectively. All displacements were assessed in 3D for all N days. The average displacement over all imaging sessions was used as the systematic error. For the margin calculation only positive displacements were considered, negative displacements were set to zero and the average of all clips over all days calculated. Treatment execution deformation error was first calculated per clip and was the standard deviation of the displacements over all imaging days and then averaged over all clips.