Supplementary Figure 1: Diagram of data analysis for the time-series HPX-MRI. The segments of lung lobes from the high resolution CT in (a) are applied to HPX-MRI images in (b). Signal for each time-step in (c) are fitted to the HPX signal decay equations in (d). Knowing T_1: Longitudinal magnetization decay time constant and; α: Flip angle, the signal is corrected in (e).