**Table S1. Quantitative parameters on the pre-treatment PET1 scan and inter-fractional PET2 scan**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **PET 1** | |  | **PET 2** | |  | **% of decrease** | |
|  | **Median** | **IQR** |  | **Median** | **IQR** |  | **Median** | **IQR** |
| GTV | 43.7 | [14.4,58.0] |  | 37.4 | [24.0,58.4] |  | 14.2 | [-3.7,21.3] |
| SUVmax | 15.1 | [9.9,19.5] |  | 8.0 | [6.0,10.0] |  | 47.6 | [22.1,59.0] |
| SUVmean | 7.7 | [5.8,11.5] |  | 5.2 | [4.0,5.6] |  | 39.6 | [8.9,54.1] |
| MTV | 10.2 | [7.3,29.0] |  | 11.5 | [5.1,16.4] |  | 27.3 | [4.0,44.0] |
| TLG | 96.2 | [39.7,346.3] |  | 58.0 | [29.7,105.6] |  | 50.4 | [17.2,69.1] |

*Abbreviations:* PET1, pre-treatment 18F-FDG PET/CT; PET2, inter-fractional 18F-FDG PET/CT; IQR, interquartile range; SUVmax, maximum standardized uptake value; SUVmean, mean standardized uptake value; MTV, metabolic tumor volume; TLG, total lesion glycolysis