Supplementary Table 1: Values of converted electron densities (DENS) of the bowels with and without contrast agents.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Organ at Risk** | **Maximum (g/cm3)** | | | | **Mean (g/cm3)** | | | |
| No contrast | With contrast | | *\*P* | No contrast | With contrast | | *\*P* |
| Only oral | Both | Only oral | Both |
| **Intestine** | 1.10 ± 0.04 | 1.43 ± 0.22 | 1.56 ± 0.41 | <0.001 | 1.01 ± 0.02 | 1.10 ± 0.04 | 1.11 ± 0.02 | <0.001 |
| **Colon** | 1.10 ± 0.03 | 1.22 ± 0.11 | 1.41 ± 0.61 | <0.001 | 0.93 ± 0.10 | 0.96 ± 0.03 | 0.98 ± 0.09 | 0.370 |

\*comparison of the density without contrast agent and that with only oral contrast agent. Data are presented as average ± standard deviation if they followed normal distribution, otherwise as median (P25, P75).

Supplementary Table 2: Values of converted electron densities (DENS) of pelvic structures with and without intravenous contrast agent.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Organ at Risk | **Maximum (g/cm3)** | | | **Average (g/cm3)** | | |
|  | No contrast | IV contrast | *P* | No contrast | IV contrast | *P* |
| **Vessel** | 1.16 | 1.37 | 0.049 | 1.06 | 1.08 | 0.000 |
| **Gluteus maximus** | 1.08 | 1.09 | 0.268 | 1.06 | 1.06 | 0.467 |
| **Bladder** | 1.14 | 1.14 | 0.960 | 1.01 | 1.01 | 0.007 |
| **Uterus** | 1.10 | 1.15 | 0.069 | 1.06 | 1.07 | 0.002 |
| **Prostate** | 1.10 | 1.11 | 0.906 | 1.05 | 1.06 | 0.000 |
| **Kidney** | 1.08 | 1.17 | 0.039 | 1.04 | 1.11 | 0.002 |