**Supplemental Table S1** Comparison of SUVmax and SUR between 18F-FGln/PET and 18F-FDG/PET in brain metastases.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **No.** | **18F-FGln/PET** | | | **18F-FDG/PET** | | | **MRI** |
| **n** | **SUVmax** | **SUR** | **n** | **SUVmax** | **SUR** | **n** |
| Patient 1 | 3 | 2.65 | 5.76 | 1 | 5.83 | 1.02 | 4 |
| 4.14 | 12.94 | negative | |
| 2.46 | 5.02 | negative | |
| Patient 2 | 2 | 1.13 | 2.35 | 0 | negative | | 2 |
| 1.09 | 2.53 |
| Patient 3 | 1 | 4.86 | 7.84 | 1 | 14.4 | 1.68 | 1 |
| Patient 4 | 4 | 1.37 | 2.45 | 1 | 8.4 | 1.02 | 9 |
| 2.39 | 3.31 | negative | |
| 1.21 | 2.05 | negative | |
| 2.10 | 3 | negative | |
| Patient 5 | 1 | 3.68 | 7.07 | 1 | 16.4 | 1.29 | 1 |
| Patient 6 | 1 | 2.40 | 4.53 | 1 | 11.1 | 0.96 | 1 |
| Patient 7 | 1 | 1.04 | 2.81 | 1 | 2.3 | 0.56 | 1 |
| Patient 8 | 2 | 2.45 | 3.55 | 1 | 8.11 | 0.91 | 3 |
| 1.35 | 1.95 | negative | |
| Patient 9 | 1 | 4.24 | 1.26 | 1 | 23.23 | 2.19 | 1 |
| Patient 10 | 1 | 1.98 | 3.04 | 1 | 2.5 | 0.67 | 1 |
| Patient 11 | 1 | 4.32 | 4.11 | 1 | 15.85 | 0.99 | 1 |
| Patient 12 | 6 | 4.84 | 7.22 | 2 | 15.75 | 1.09 | 6 |
| 4.81 | 9.25 | negative | |
| 4.35 | 5.43 | negative | |
| 6.02 | 8.7 | 18.96 | 3.12 |
| 2.81 | 2.98 | negative | |
| 1.86 | 2.21 | negative | |
| Patient 13 | 4 | 5.27 | 8.10 | 2 | negative | | 4 |
| 5.22 | 6.01 | 11.67 | 0.83 |
| 3.42 | 5.26 | 11.37 | 0.81 |
| 1.32 | 1.97 | negative | |
| Patient 14 | 3 | 5.74 | 16.4 | 0 | negative | | 3 |
| 3.56 | 10.7 | negative | |
| 5.71 | 3 | negative | |
| Total | 31 |  |  | 14 |  |  | 38 |
| *p* |  | 0.000\* |  |  | 0.000# |  |  |

\*The *p* value of SUVmax between 18F-FGln/PET and 18F-FDG/PET. # The *p* value of SUR between 18F-FGln/PET and 18F-FDG/PET.