**S1 Table.** Detailedscan parameters for external data.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **No.** | **CT vendor** | **CT machine** | **Reconstructionkernel** | **kVp** | **mAs** | **AEC**a | **Slice thickness (mm)** |
| 1 | Siemens | Spirit | B70s | 130 | 30 | OFF | 1.5 |
| 2 | Definition AS+ | I70f | 100 | 50 | OFF | 5 |
| 3 | Definition Flash | B70f | 120 | 40$\pm $20 | ON | 1 |
| 4 | Definition Flash | I50f | 120 | 15$\pm $6 | ON | 1 |
| 5 | Definition AS | B80f | 120 | 12$\pm 5$ | ON | 1 |
| 6 | Definition AS+ | B60f | 120 | 40 | OFF | 1 |
| 7 | Sensation 64 | B60f | 120 | 50 | OFF | 2 |
| 8 | Scope | B90s | 110 | 27$\pm $8 | ON | 3 |
| 9 | Definition Flash | I41f | 120 | 22$\pm $8 | ON | 2 |
| 10 | Definition AS | B80f | 120 | 35 | OFF | 3 |
| 11 | Definition AS+ | I50f | 120 | 21 | OFF | 1 |
| 12 | Definition AS+ | B60f | 120 | 31$\pm $7 | ON | 1 |
| 13 | Sensation 64 | B31f | 120 | 30$\pm $7 | ON | 1.5 |
| 14 | Sensation 64 | B70f | 120 | 28$\pm $8 | ON | 1 |
| 15 | Definition AS | B80f | 120 | 14$\pm $6 | ON | 1 |
| 16 | Definition AS+ | B50f | 100 | 30 | OFF | 3 |
| 17 | Sensation 64 | B30f | 120 | 41$\pm $24 | ON | 3 |
| 18 | Emotion | B60s | 130 | 36 | OFF | 5 |
| 19 | Definition | B60f | 120 | 40 | OFF | 3 |
| 20 | Scope | B80s | 110 | 22$\pm $6 | ON | 3 |
| 21 | Sensation Open | B60f | 120 | 20 | OFF | 2 |
| 22 | Definition AS+ | I70f | 120 | 40 | OFF | 1 |
| 23 | Force | Br44f | Sn100b | 167$\pm $106 | ON | 3 |
| 24 | GE | Bright Speed S | STANDARD | 120 | 40$\pm $6 | ON | 1.25 |
| 25 | Discovery CT590 RT | LUNG | 120 | 40 | OFF | 1.25 |
| 26 | Revolution EVO | LUNG | 120 | 49 | OFF | 5 |
| 27 | Discovery CT750 HD | BONE | 120 | 12 | OFF | 1.25 |
| 28 | Revolution EVO | LUNG | 120 | 52 | OFF | 1.25 |
| 29 | Optima CT660 | BONEPLUS | 120 | 118$\pm $39 | ON | 5 |
| 30 | BRIVO CT325 | CHST | 120 | 40 | OFF | 1 |
| 31 | Optima CT660 | BONEPLUS | 120 | 26$\pm $12 | ON | 1.25 |
| 32 | LightSpeed VCT | LUNG | 120 | 40 | OFF | 2.5 |
| 33 | LightSpeed VCT | STANDARD | 120 | 30 | OFF | 1.25 |
| 34 | HiSpeed | DETL | 120 | 60 | OFF | 3 |
| 35 | Philips | MX 16 | SA | 120 | 35 | OFF | 1 |
| 36 | Brilliance 64 | F | 120 | 45 | OFF | 1 |
| 37 | Ingenuity CT | YC | 120 | 30 | OFF | 1 |
| 38 | Brilliance 64 | YC | 120 | 30 | OFF | 1.4 |
| 39 | Ingenuity Core | C | 120 | 30 | OFF | 1 |
| 40 | Canon | Aquilion ONE | FC86 | 120 | 16$\pm $2 | ON | 2 |
| 41 | Aquilion One | FC85 | 120 | 25 | OFF | 1 |
| 42 | Aquilion Prime | FC56 | 120 | 25 | OFF | 1 |
| 43 | Asteion | FC01 | 120 | 60 | OFF | 2 |
| 44 | Asteion | FC53 | 120 | 45 | OFF | 5 |
| 45 | Asteion | FC53 | 120 | 50 | OFF | 3 |
| 46 | Asteion | FC30 | 120 | 92$\pm $15 | ON | 3 |
| 47 | Aquilion Prime | FC55 | 120 | 24 | OFF | 1 |
| 48 | Aquilion | FC52 | 100 | 30 | OFF | 1 |
| 49 | Aquilion | FC52 | 120 | 69$\pm $14 | ON | 4 |
| 50 | Aquilion | FC84 | 120 | 20 | OFF | 3 |

aAEC: Automatic exposure control, bSn100: 100 kVp with tin filter attached.