**Suppl file 3 : Adjusted Radiation Exposure (mSv)**

|  |  |  |
| --- | --- | --- |
|  | Mean | Std. error |
| **Time** | | |
| Sep 2012-June 2014] | 18.8 | 2.2 |
| July 2014- Dec 2016 | 21.2 | 1.6 |
| Jan 2017-July 2017 | 2.8 | 0.5 |
| **Organizational Factors** | | |
| **Indication of request slip** |  |  |
| Complete | 7.7 | 1.7 |
| Incomplete | 10.4 | 2.2 |
| No indication | 24.0 | 2.3 |
| **Technologist Level** |  |  |
| Junior | 20.9 | 2.0 |
| Senior | 9.9 | 0.9 |
| **Overall (at optimal level)** | **2.8** | **1.6** |
| **Technical Factors** | | |
| **Volume** |  |  |
| Helical | 12.3 | 1.3 |
| Volumetric | 15.9 | 0.9 |
| **KV** |  |  |
| 8-100 | 10.7 | 1.4 |
| 120 | 16.1 | 0.9 |
| **Protocol** |  |  |
| Standard | 10.7 | 1.1 |
| Non-standard | 16.1 | 1.9 |
| **Scan-length** |  |  |
| Focused and standard | 11.5 | 1.1 |
| Unlimited | 18.4 | 1.5 |
| **CT-Scanner** |  |  |
| 64-Slice | 25.7 | 2.6 |
| 640-slice | 9.8 | 0.8 |
| **Overall (at optimal level)** | **2.8** | **1.6** |

\*radiation exposure adjusted for age, gender and initial diagnosis