## 血管造影　線量管理実施記録（線量調査）

1.　装置名

〇〇〇〇（〇〇社製、血管撮影室）

2. 調査方法

　2020年4月1日から2021年1月31日までの線量記録から、診断参考レベルが設定された検査または治療手技のKa,r [mGy]およびPKA[Gy・cm2]を調査した。

　連続30例の中央値を求めた。30例に達しない場合、使用可能なデータの中央値を求めた。

3. 調査者

〇〇〇〇、〇〇〇〇

4. 調査結果

4.1 頭部/頸部領域

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 当院 | | DRL | | 例数 | 調査期間 |
| Ka,r | PKA | Ka,r | PKA |
| 診断血管撮影（術前） | | | | | | |
| 嚢状動脈瘤 | 〇〇〇 | 〇〇〇 | 590 | 89 | 〇〇 | 〇〇〇〇～〇〇〇〇 |
| 脳動静脈奇形 | 〇〇〇 | 〇〇〇 | 770 | 160 | 〇〇 | 〇〇〇〇～〇〇〇〇 |
| 脳硬膜動静脈瘻 | 〇〇〇 | 〇〇〇 | 1100 | 190 | 〇〇 | 〇〇〇〇～〇〇〇〇 |
| 頸部頸動脈狭窄/閉塞 | 〇〇〇 | 〇〇〇 | 560 | 120 | 〇〇 | 〇〇〇〇～〇〇〇〇 |
| 急性脳動脈狭窄/閉塞 | 〇〇〇 | 〇〇〇 | 480 | 83 | 〇〇 | 〇〇〇〇～〇〇〇〇 |
| 頭蓋内腫瘍 | 〇〇〇 | 〇〇〇 | 720 | 140 | 〇〇 | 〇〇〇〇～〇〇〇〇 |
| 診断血管撮影（術後） | | | | | | |
| 嚢状動脈瘤 | 〇〇〇 | 〇〇〇 | 510 | 57 | 〇〇 | 〇〇〇〇～〇〇〇〇 |
| 脳動静脈奇形 | 〇〇〇 | 〇〇〇 | 470 | 77 | 〇〇 | 〇〇〇〇～〇〇〇〇 |
| 脳硬膜動静脈瘻 | 〇〇〇 | 〇〇〇 | 820 | 150 | 〇〇 | 〇〇〇〇～〇〇〇〇 |
| 頸部頸動脈狭窄/閉塞 | 〇〇〇 | 〇〇〇 | 390 | 72 | 〇〇 | 〇〇〇〇～〇〇〇〇 |
| 急性脳動脈狭窄/閉塞 | 〇〇〇 | 〇〇〇 | 500 | 83 | 〇〇 | 〇〇〇〇～〇〇〇〇 |
| 頭蓋内腫瘍 | 〇〇〇 | 〇〇〇 | (1000) | (77) | 〇〇 | 〇〇〇〇～〇〇〇〇 |
| 血管内治療（IVR） | | | | | | |
| 嚢状動脈瘤 | 〇〇〇 | 〇〇〇 | 3100 | 210 | 〇〇 | 〇〇〇〇～〇〇〇〇 |
| 脳動静脈奇形 | 〇〇〇 | 〇〇〇 | 4100 | 410 | 〇〇 | 〇〇〇〇～〇〇〇〇 |
| 脳硬膜動静脈瘻 | 〇〇〇 | 〇〇〇 | 4700 | 430 | 〇〇 | 〇〇〇〇～〇〇〇〇 |
| 頸部頸動脈狭窄/閉塞 | 〇〇〇 | 〇〇〇 | 820 | 150 | 〇〇 | 〇〇〇〇～〇〇〇〇 |
| 急性脳動脈狭窄/閉塞 | 〇〇〇 | 〇〇〇 | 1400 | 230 | 〇〇 | 〇〇〇〇～〇〇〇〇 |
| 頭蓋内腫瘍 | 〇〇〇 | 〇〇〇 | 2500 | 320 | 〇〇 | 〇〇〇〇～〇〇〇〇 |

4.2 成人心臓領域

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 当院 | | DRL | | 例数 | 調査期間 |
| Ka,r | PKA | Ka,r | PKA |
| 診断カテーテル検査 | 〇〇〇 | 〇〇〇 | 700 | 59 | 〇〇 | 〇〇〇〇～〇〇〇〇 |
| 非CTO PCI | 〇〇〇 | 〇〇〇 | 1800 | 130 | 〇〇 | 〇〇〇〇～〇〇〇〇 |
| CTO PCI | 〇〇〇 | 〇〇〇 | 3900 | 280 | 〇〇 | 〇〇〇〇～〇〇〇〇 |
| 非PVI RFCA | 〇〇〇 | 〇〇〇 | 560 | 57 | 〇〇 | 〇〇〇〇～〇〇〇〇 |
| PVI RFCA | 〇〇〇 | 〇〇〇 | 645 | 89 | 〇〇 | 〇〇〇〇～〇〇〇〇 |

4.3 小児心臓領域

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 当院 | | DRL | | 例数 | 調査期間 |
| Ka,r | PKA | Ka,r | PKA |
| 診断カテーテル検査 | | | | | | |
| 1歳未満 | 〇〇〇 | 〇〇〇 | 100 | 7 | 〇〇 | 〇〇〇〇～〇〇〇〇 |
| 1〜4歳 | 〇〇〇 | 〇〇〇 | 130 | 12 | 〇〇 | 〇〇〇〇～〇〇〇〇 |
| 5〜9歳 | 〇〇〇 | 〇〇〇 | 190 | 14 | 〇〇 | 〇〇〇〇～〇〇〇〇 |
| 10〜14歳 | 〇〇〇 | 〇〇〇 | 350 | 47 | 〇〇 | 〇〇〇〇～〇〇〇〇 |
| IVR | | | | | | |
| 1歳未満 | 〇〇〇 | 〇〇〇 | 150 | 8 | 〇〇 | 〇〇〇〇～〇〇〇〇 |
| 1〜4歳 | 〇〇〇 | 〇〇〇 | 210 | 16 | 〇〇 | 〇〇〇〇～〇〇〇〇 |
| 5〜9歳 | 〇〇〇 | 〇〇〇 | 210 | 16 | 〇〇 | 〇〇〇〇～〇〇〇〇 |
| 10〜14歳 | 〇〇〇 | 〇〇〇 | 500 | 46 | 〇〇 | 〇〇〇〇～〇〇〇〇 |

4.4 胸腹部領域

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 当院 | | DRL | | 例数 | 調査期間 |
| Ka,r | PKA | Ka,r | PKA |
| TACE | 〇〇〇 | 〇〇〇 | 1400 | 270 | 〇〇 | 〇〇〇〇～〇〇〇〇 |
| TEVAR | 〇〇〇 | 〇〇〇 | 830 | 200 | 〇〇 | 〇〇〇〇～〇〇〇〇 |
| EVAR | 〇〇〇 | 〇〇〇 | 1000 | 210 | 〇〇 | 〇〇〇〇～〇〇〇〇 |

報告日：　〇〇〇〇年〇〇月〇〇日

報告者：　〇〇〇〇　　　　　　　　医療放射線安全管理責任者：　〇〇〇〇