Supplementary Table 2: Visual analogue scale pain scores during the follow-up

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| --- | --- | --- | --- | --- | --- | --- |
| **Items** | **A (43)** | **B (45)** | **C (62)** | **P (A vs. C)** | **P (A vs. B)** | **P (B vs. C)** |
| **After 30 minutes** | 1.21(1,0-4) | 0.96(1,0-5) | 1.19(1,0-6) | 0.829 | 0.238 | 0.278 |
| **Day1** |  |  |  |  |  |  |
| VAS scores\* | 0.72(0,0-5) | 0.96(0,0-5) | 1.15(1,0-6) | 0.147 | 0.365 | 0.611 |
| Urethra\* | 0.56(0,0-5) | 0.36(0,0-5) | 0.50(0,0-6) | 0.749 | 0.196 | 0.279 |
| Bladder \* | 0.12(0,0-2) | 0.16(0,0-2) | 0.23(0,0-3) | 0.677 | 1.000 | 0.666 |
| Kidney front\* | 0(0,0-0) | 0(0,0-0) | 0.16(0,0-5) | 0.237 | 1.000 | 0.226 |
| Kidney back\* | 0.12(0,0-1) | 0.53(0,0-4) | 0.32(0,0-7) | 0.844 | 0.042 | 0.030 |
| Pain during urination\* | 0.84(1,0-5) | 0.64(0,0-4) | 1.03(0.50,0-6) | 0.635 | 0.215 | 0.100 |
| **Day3** |  |  |  |  |  |  |
| VAS scores\* | 0.28(0,0-3) | 0.42(0,0-3) | 0.69(0,0-10) | 0.143 | 0.359 | 0.594 |
| Urethra\* | 0.05(0,0-2) | 0.07(0,0-2) | 0.11(0,0-1) | 0.100 | 0.595 | 0.227 |
| Bladder \* | 0.05(0,0-1) | 0.22(0,0-3) | 0.06(0,0-2) | 0.951 | 0.088 | 0.062 |
| Kidney front\* | 0.02(0,0-1) | 0(0,0-0) | 0(0,0-0) | 0.230 | 0.306 | 1.000 |
| Kidney back\* | 0.23(0,0-2) | 0.36(0,0-3) | 0.34(0,0-6) | 0.559 | 0.931 | 0.531 |
| Pain during urination\* | 0.07(0,0-2) | 0.09(0,0-2) | 0.23(0,0-3) | 0.034 | 0.693 | 0.070 |
| **Day7** |  |  |  |  |  |  |
| VAS scores\* | 0.14(0,0-2) | 0.38(0,0-3) | 0.19(0,0-3) | 0.908 | 0.096 | 0.085 |
| Urethra\* | 0(0,0-0) | 0.04(0,0-1) | 0.06(0,0-2) | 0.145 | 0.164 | 0.911 |
| Bladder \* | 0.02(0,0-1) | 0.13(0,0-3) | 0.05(0,0-2) | 0.778 | 0.320 | 0.398 |
| Kidney front\* | 0(0,0-0) | 0(0,0-0) | 0(0,0-0) | 1.000 | 1.000 | 1.000 |
| Kidney back\* | 0.21(0,0-2) | 0.24(0,0-3) | 0.15(0,0-3) | 0.141 | 0.792 | 0.250 |
| Pain during urination\* | 0(0,0-0) | 0.07(0,0-1) | 0.02(0,0-1) | 0.405 | 0.087 | 0.176 |

\*Mean (median, range). Group A (RU group): Rigid ureteroscopy; Group B  (FC group): Flexible cystoscopy; Group C (RC group): Rigid cystoscopy.