**Participant flow**

**Baseline characteristics**

|  |  |  |  |
| --- | --- | --- | --- |
| variable | Group A | Group B | Group C |
| N | 30 | 30 | 32 |
| Age（year） | 56.1±12.9 | 55.6±12.3 | 56.7±13.4 |
| Sex |  |  |  |
|  Males | 12 | 13 | 13 |
|  Females | 18 | 17 | 19 |
| BMI（kg/cm2） | 24.83±3.6 | 24.93±3.3 | 24.81±3.4 |
| Preoperative Hemoglobin (g/L） | 123.2±10.5 | 125.1±9 | 126.4±8.4 |
| Surgical level | 2.31±0.09 | 2.76±0.12 | 2.40±0.10 |
| Operative time（min） | 118.0±24 | 150.6±47 | 135.6±39 |
| Blood loss（ml） | 202.5±25 | 292.7±39 | 259.8±37 |
| Mean duration of hospital stay (days) | 6.82±1.2 | 6.89±1.3 | 7.3±1.3 |

**Outcome measures**

|  |  |  |  |
| --- | --- | --- | --- |
| variable | Group A | Group B | Group C |
| Volume of Drainage in 24h (ml)\* | 187.9±82 | 185.2±68 | 230.8±75 |
| Volume of Drainage in the second 24h（ml） | 53.7±3.8 | 63.3±8.9 | 63.5±14.2 |
| total volume of drainage（ml)\* | 231.5±18.1 | 248.5±18.8 | 318.5±26.7 |

|  |  |  |  |
| --- | --- | --- | --- |
| variable | Group A | Group B | Group C |
| HCT of Drainage in 24h（%） | 18.04±1.22 | 20.85±1.16 | 21.06±1.17 |
| HCT of Drainage in the second 24h（%） | 11.72±1.17 | 13.22±1.23 | 12.53±1.24 |
| Drainage blood in 24h(ml）\* | 34.95±5.05 | 39.37±3.79 | 54.06±5.56 |
| Drainage blood in the second 24h(ml） | 4.85±0.66 | 7.39±1.07 | 7.79±3.58 |
| total volume of drainage blood（ml）\* | 39.62±5.13 | 47.53±6.08 | 61.84±6.60 |

**Adverse Events**

|  |  |
| --- | --- |
| Complications | Number of patients |
| postoperative infections  | 0 |
| deep venous thrombosis (DVT) | 0 |
| pulmonary embolism (PE) | 0 |
| postoperative hematomas | 0 |