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| **Table 1 The characteristics of the patients’ general information** | | | | | | |
| **General inf.** |  | **LSIL(VaIN1)** | | **HSIL(VaIN2,3)** | | ***P* value** |
| **Number** | **Percent** | **Number** | **Percent** |
| **Age (yrs)** | ＜45 | 27 | 47.4% | 78 | 48.8% | 0.859 |
| ≥45 | 30 | 52.6% | 82 | 51.3% |
| **Menopause** | No | 31 | 54.4% | 90 | 56.3% | 0.809 |
| Yes | 26 | 45.6% | 70 | 43.8% |
| **Gravidity** | 0~2 | 23 | 40.4% | 69 | 43.1% | 0.753 |
| 3~9 | 34 | 59.6% | 91 | 56.9% |
| **Parity** | 0~1 | 37 | 64.9% | 110 | 68.8% | 0.597 |
| 2~4 | 20 | 35.1% | 50 | 31.3% |
| **Abortion** | 0~2 | 42 | 73.7% | 119 | 74.4% | 0.919 |
| 3~8 | 15 | 26.3% | 41 | 25.6% |
| **Condemn use** | No | 39 | 68.4% | 109 | 68.1% | 0.967 |
| Yes | 18 | 31.6% | 51 | 31.9% |
| **Contacting bleeding** | No | 46 | 80.7% | 132 | 82.5% | 0.763 |
| Yes | 11 | 19.3% | 28 | 17.5% |
| **TCT before laser** | NILM | 29 | 50.9% | 66 | 41.3% | 0.131 |
| ASCUS/LSIL | 26 | 45.6% | 81 | 50.6% |
| ASC-H/HSIL | 2 | 3.5% | 13 | 8.1% |
| **HR-HPV before laser** | Negative | 12 | 21.1% | 17 | 10.6% | 0.047 |
| Positive | 45 | 78.9% | 143 | 89.4% |
| **Persist HR-HPV infection** | No | 38 | 66.7% | 88 | 55.0% | 0.127 |
| Yes | 19 | 33.3% | 72 | 45.0% |
| **Immuno-suppression** | No | 48 | 84.2% | 141 | 88.1% | 0.451 |
| Yes | 9 | 15.8% | 19 | 11.9% |
| **Vaginitis** | No | 43 | 75.4% | 105 | 65.6% | 0.173 |
| Yes | 14 | 24.6% | 55 | 34.4% |