Table A: Comparison of Q-max score and Q-average of the two studied groups

| Parameters               | CKVU         | TLU          | P value |
|--------------------------|--------------|--------------|---------|
|                          | Mean ± SD    | Range        | Mean ± SD | Range |         |
| Q-max before surgery     | 7 ± 1.82     | 5 – 10       | 8 ± 1.96 | 6 – 11 | 0.847   |
| Q-max after 1 month      | 12 ± 2.07    | 9 – 16       | 14 ± 1.88 | 11 – 19 | 0.231   |
| Q-max after 3 months     | 14 ± 1.59    | 10 – 18      | 15 ± 1.39 | 12 – 20 | 0.369   |
| Q-max after 6 months     | 16 ± 1.26    | 12 – 20      | 18 ± 1.70 | 12 – 22 | 0.288   |
| Q-average before surgery | 5 ± 3.13     | 2 – 15       | 4 ± 1.698 | 2 – 9  | 0.432   |
| Q-average after 1 month  | 7 ± 1.40     | 5 – 10       | 9 ± 3.599 | 5 – 11 | 0.421   |
| Q-average after 3 months | 8 ± 1.53     | 5 – 12       | 10 ± 1.93 | 7 – 13 | 0.399   |
| Q-average after 6 months | 9 ± 1.20     | 6 – 12       | 11 ± 3.22 | 8 – 14 | 0.198   |
Table B: Comparison of the International Prostate Symptom Score (IPSS), IIEF2 score and MSHQ score of the two studied groups.

|                  | Group (1)          | Group (2)          | Significance |
|------------------|--------------------|--------------------|--------------|
|                  | Mean ± SD Range    | Mean ±SD Range     | t-test       | P value     |
| IPSS before surgery | 32 ± 2.109 28 – 34 | 29 ± 4.321 21 – 35 | 0.186        | 0.112       |
| IPSS after surgery | 4 ± 1.612 2 – 7    | 3 ± 1.245 1 – 5    | 0.047        | 0.462       |
| t-test / P value  | t = 0.865 0.001*   | t = 0.915 0.001*   |              |             |
| IIEF score before | 31 ± 2.532 26 – 33 | 33 ± 3.488 26 – 35 | 0.143        | 0.128       |
| IIEF after 1 month | 34 ± 1.913 32 – 35 | 28 ± 1.406 18 – 27 | 0.197        | 0.098       |
| IIEF after 3 months | 28 ± 4.091 19 – 33 | 21 ± 4.426 15 – 31 | 0.264        | 0.069       |
| IIEF after 6 months | 32 ± 2.249 27 – 35 | 33 ± 2.189 27 – 35 | 0.186        | 0.112       |
| F-test / P value  | F = 0.312 0.142    | F = 0.104 0.567    |              |             |
| MSHQ score before | 29 ± 2.673 23 – 33 | 25 ± 3.747 18 – 33 | 0.218        | 0.062       |
| MSHQ score after  | 33 ± 1.331 30 – 35 | 34 ± 0.827 31 – 35 | 0.188        | 0.109       |
| t-test / P value  | t = 0.295 0.044*   | t = 0.396 0.047*   |              |             |

F: Fisher Exact test. P >0.05= non-significant, *P<0.05 significant.

IPSS: International Prostate Symptom Score, IIEF: International index of erectile function, MSHQ: Male Sexual Health Questionnaire.
Table C: Comparison of MSHQ Ej before and after surgery of the two studied groups

| MSHQ Ej | Cold-knife group (1) | Thulium laser group (2) |
|---------|----------------------|-------------------------|
|         | Before               | After                   | P value   | Before               | After                   | P value   |
| Q1      | 5 ± 0.379            | 5 ± 0.000               | 0.935     | 5 ± 0.254            | 5 ± 0.000               | 0.942     |
| Q2      | 5 ± 0.615            | 5 ± 0.254               | 0.954     | 4 ± 0.730            | 5 ± 0.379               | 0.318     |
| Q3      | 3 ± 1.112            | 4 ± 0.449               | 0.366     | 3 ± 1.093            | 5 ± 0.449               | 0.151     |
| Q4      | 4 ± 1.119            | 5 ± 0.479               | 0.318     | 3 ± 1.263            | 5 ± 0.466               | 0.149     |
| Q5      | 4 ± 0.681            | 5 ± 0.679               | 0.318     | 3 ± 0.952            | 5 ± 0.556               | 0.151     |
| Q6      | 5 ± 0.346            | 5 ± 0.000               | 0.914     | 5 ± 0.000            | 5 ± 0.000               | 0.999     |
| Q7      | 3 ± 0.621            | 5 ± 0.449               | 0.153     | 2 ± 0.803            | 5 ± 0.379               | 0.097     |

P > 0.05 = non-significant. MSHQ Ej: Male Sexual Health Questionnaire for ejaculation.