

Supplementary Materials

Supplementary Table 1. Overview of general and surgery-specific data with respect to surgeon-defined nerve-sparing status (NS vs. NNS)

| Variable | NS (n = 176) | NNS (n = 54) | P-value |
|----------------|--------------|--------------|----------------------|
| Follow-up (mo) | 48 (30–84) | 45 (24–73.5) | 0.40 ^{a)} |
| Age (yr) | 63 (58–66) | 65 (62–69) | 0.0015 ^{a)} |
| Bilateral NS | 143 (81) | - | - |
| Unilateral NS | 33 (19) | - | - |

Values are presented as median (interquartile range) or number (%).

NS, nerve-sparing; NNS, non-NS.

^{a)}Mann-Whitney U-test.

Supplementary Table 2. Overview of oncological data with respect to surgeon-defined nerve-sparing status (NS vs. NNS)

| Variable | NS | NNS | P-value |
|--------------------------------|------------------|------------------|-----------------------|
| Preoperative PSA (ng/mL) | 5.44 (4.21–7) | 6.85 (5.5–10.22) | 0.0003 ^{a)} |
| Preoperative PSA density | 0.17 (0.12–0.24) | 0.19 (0.14–0.32) | 0.023 ^{a)} |
| Prostate volume (mL) | 33 (25–45) | 34 (26–44) | 0.90 ^{a)} |
| Maximum Gleason score (biopsy) | n = 175 | n = 54 | <0.0001 ^{a)} |
| 6 | 96 (55) | 10 (19) | |
| 7 | 74 (42) | 19 (35) | |
| 8–9 | 5 (3) | 25 (46) | |
| Clinical tumor stage | n = 176 | n = 54 | 0.052 ^{a)} |
| cT1 | 132 (75) | 33 (61) | |
| cT2 | 43 (24) | 21 (39) | |
| cT3 | 1 (1) | 0 (0) | |
| EAU risk group | n = 176 | n = 54 | <0.0001 ^{a)} |
| 1 | 80 (46) | 7 (13) | |
| 2 | 84 (48) | 20 (37) | |
| 3 | 12 (7) | 27 (50) | |
| Gleason score (RP) | n = 176 | n = 54 | <0.0001 ^{a)} |
| 6 | 59 (34) | 5 (9) | |
| 7 | 102 (58) | 24 (44) | |
| 8–10 | 15 (9) | 25 (46) | |
| Pathological tumor stage | n = 174 | n = 54 | <0.0001 ^{a)} |
| pT2 | 140 (80) | 29 (54) | |
| pT3 | 34 (20) | 24 (44) | |
| pT4 | 0 | 1 (2) | |
| Lymph node status | n = 176 | n = 54 | 0.003 ^{b)} |
| pN0/X | 171 (97) | 46 (85) | |
| pN1 | 5 (3) | 8 (15) | |
| Margins | n = 176 | n = 54 | 0.026 ^{a)} |
| R0 | 128 (73) | 32 (59) | |
| R1 | 42 (24) | 14 (26) | |
| R2 | 6 (3) | 8 (15) | |
| Metastasis | 3/176 (2) | 0/54 (0) | 0.45 ^{b)} |

Values are presented as median (interquartile range) or number (%).

NS, nerve-sparing; NNS, non-NS; PSA, prostate-specific antigen; EAU, European Association of Urology; RP, radical prostatectomy.

^{a)}Mann-Whitney U-test. ^{b)}Fisher exact test.