**Supplementary Material S2.** Results of logistic regression analysis of the model including PIRADS 5

| Variable | Odds ratio (OR) | Standard deviation = SD (95% CI) | *p-value* |
|---|---|---|---|
| PSAD | 6.102 | 2.143 - 17.374 | **0.001** |
| Age during surgery | 1.032 | 0.994 - 1.071 | 0.097 |
| Hypertension (HT) | 1.420 | 0.873 - 2.310 | 0.158 |
| Type 2 diabetes mellitus (T2DM) | 0.958 | 0.460 - 1.995 | 0.908 |
| BMI | 0.942 | 0.845 - 1.050 | 0.942 |
| PIRADS 5 | 1.620 | 1.014 - 2.589 | **0.043** |
| BMI | 0.942 | 0.845 - 1.050 | 0.942 |

***Table 3*** *summarizes the results of a multivariable logistic regression model evaluating the association between selected clinical and radiological parameters and the risk of pathological upstaging in patients with available PIRADS 5 data.*

- ***OR (Odds Ratio)*** *– quantifies the strength of association between each variable and the odds of upstaging.*
- ***95% CI (Confidence Interval)*** *– indicates the range within which the true odds ratio is expected to lie with 95% confidence.*
- ***PIRADS 5*** *– the presence of a lesion categorized as score five on multiparametric MRI, based on the Prostate Imaging–Reporting and Data System (PIRADS) version 2.1.*
- ***PSAD*** *– prostate-specific antigen density, calculated as serum PSA (ng/mL) divided by prostate volume ($cm^3$).*
- ***Age during surgery*** *– patient's age at the time of radical prostatectomy.*
- ***Hypertension (HT)*** *– history of clinically diagnosed arterial hypertension.*
- ***Type 2 diabetes mellitus (T2DM)*** *– history of clinically diagnosed type 2 diabetes.*
- ***BMI*** *– body mass index ($kg/m^2$).*
- *Statistical significance was defined as a p-value < 0.05.*