

Supplementary Material Table 1A. Comparison of continuous variables in the training and internal validation sets before and after multiple imputation

variables	before interpolation	after interpolation	p values
age (IQR, year)	72(65.77)	72(65.77)	0.922
PSA (IQR, ng/ml)	20.00(9.60, 56.00)	20.60(9.75, 57.60)	0.584
prostate volume (IQR, cm ³)	56.00(36.80,86.00)	56.00(36.80,86.00)	0.985

Supplementary Material Table 1B. Comparison of binary variables in the training and validation sets before and after multiple imputation

variables	negative	positive	X-squared	p value
DRE			1.056	0.304
before interpolation	866	549		
after interpolation	1005	588		
prostatic border			1.494	0.222
before interpolation	875	664		
after interpolation	920	637		
shape			5.82E-30	1.000
before interpolation	1092	448		
after interpolation	1130	463		
hypoechoic area			0.017	0.896
before interpolation	792	748		
after interpolation	824	769		
seminal vesicle			0.648	0.421
before interpolation	1138	165		
after interpolation	1408	185		

PSA, prostate-specific antigen; IQR, interquartile range; DRE, digital rectal examination

Note: p>0.05 indicates that there is no statistically significant difference of data before and after multiple imputation.