

Figure S1. Calibration plots for multivariate predictive models. (A) Combined model 1 (SEM-ADC + CTRW- α + VI-RADS). (B) Combined model 2 (DKI-kurtosis + SEM-ADC + CTRW- α). The x-axis shows predicted probability deciles; the y-axis shows observed MIBC frequency. Error bars represent 95% confidence intervals (Wilson score method). The dashed diagonal line represents perfect calibration. Numbers adjacent to data points indicate sample size per decile. Hosmer-Lemeshow goodness-of-fit test: (A) $\chi^2=6.42$, df (degrees of freedom)=8, $P=0.600$; (B) $\chi^2=7.15$, df (degrees of freedom)=8, $P=0.520$. Both models demonstrate good calibration ($P>0.05$). ADC, apparent diffusion coefficient; CTRW, continuous-time random walk; SEM, stretched-exponential model; VI-RADS, vesical imaging-reporting and data system; MIBC, muscle-invasive bladder cancer.

