

**S1 Fig.** Interpretation tree demonstrating the scenarios for the increased probability of ECE compared with the baseline. Each node represents the state of variable, the probability of ECE and joint probability. BLI-Bx, both lobe involvement on biopsy;  $cT_{MRI}$ , MRI-based clinical T-stage; ECE, extracapsular extension; GS, Gleason score; iPSA, initial prostate-specific antigen; PPC, percentage of positive biopsy cores.