

Supplemental Table 1

Sensitivity and accuracy given specificity $\geq 90\%$ and receiver operating characteristics (ROC) area under the curve (AUC) for prediction of non-pCR for manual dynamic contrast-enhanced MRI (DCE), three-component Restriction Spectrum Imaging model (RSI_{3C}) classifier and the mean apparent diffusion coefficient (ADC) after all neoadjuvant therapy prior to surgical intervention (post-Tx time point).

	DCE	RSI _{3C}	ADC
Threshold value	1.3 cm	0.75 cm	$0.5 \times 10^{-3} \text{ mm}^2/\text{s}$
Specificity threshold	0.90	0.90	1.00
Sens ₉₀ (95% CI) Post-Tx	0.65 (0.38-0.86)	0.71 (0.44-0.90)	0.00 (0.00-0.20)*
Acc ₉₀ (95% CI) Post-Tx	0.74 (0.54-0.89)	0.78 (0.58-0.91)	0.37 (0.19-0.58)*
ROC AUC	0.79	0.80	0.52

*Specificity $\geq 90\%$ is achieved by a threshold where all cases are classified as pCR (specificity = 100%). For reference, sensitivity was 0.18 and accuracy 0.41 when using a specificity $\geq 80\%$.

pCR = pathological complete response, Sens₉₀ = sensitivity given specificity $\geq 90\%$, Acc₉₀ = accuracy given specificity $\geq 90\%$, Tx = treatment.