Supplement 5:

Risk of LN metastasis according to percentile groups of risk for upstaging to invasive breast cancer at surgery in the model development cohort

	<20th percentile	20-<40th percentile	40 - <60th percentile	60 - <80th percentile	≥80th percentile
Number of biopsy-proven DCIS	472	526	643	632	619
Mean predicted risk of upstaging to invasive cancer#	11.6%	14.2%	14.8 %	21.9%	39.1%
Mean predicted risk of metastasis	1.2%	2.4%	2.6%	4.4%	10.2%
Observed rate of metastasis	0.9%	2.7%	2.2%	4.3%	11.0%

In previous research, we developed a model for the risk of invasive breast cancer, diagnosed at excision after a DCIS diagnosis at biopsy.(5) Patients were divided into risk groups based on that model.

For each risk group, the risk of lymph node metastasis was calculated with the prediction model developed in this study.

Also, the observed rate of metastasis in for each of these risk groups is given.