eTable 1. Predicting remission at week 25 in the validation set

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| --- | --- | --- | --- |
|  |  | Using data up to week 1 | Using data up to week 3 |
| AUC | 0.69 (0.66 to 0.72) | 0.75 (0.72 to 0.78) |
| Hosmer-Lemeshow statistics | $χ\_{df=10}^{2}$=127.8, p<0.001 | $χ\_{df=10}^{2}$=320.6, p<0.001 |
| Cutoff post-test prob=0.70 | PPV | 0.87 (0.78 to 0.93) | 0.86 (0.79 to 0.90) |
| NPV | 0.53 (0.49 to 0.56) | 0.55 (0.51 to 0.58) |
| Sensitivity | 0.15 (0.12 to 0.18) | 0.27 (0.23 to 0.31) |
| Specificity | 0.98 (0.96 to 0.99) | 0.95 (0.93 to 0.97) |
| Cutoff post-test prob=0.30 | PPV | 0.62 (0.58 to 0.66) | 0.70 (0.65 to 0.74) |
| NPV | 0.66 (0.61 to 0.70) | 0.66 (0.61 to 0.70) |
| Sensitivity | 0.72 (0.67 to 0.75) | 0.66 (0.62 to 0.70) |
| Specificity | 0.56 (0.51 to 0.60) | 0.69 (0.65 to 0.74) |

AUC: Area under the curve, NPV: Negative predictive value, PPV: Positive predictive value

95%CI in parentheses

eFigure 1. Predicted vs observed of week 25 remission by decile in the validation set

2a. Prediction model based on data up to week 1 (Hosmer-Lemeshow goodness-of-fit test p<0.001)



2b. Prediction model based on data up to week 3 (Hosmer-Lemeshow goodness-of-fit test p<0.001)

