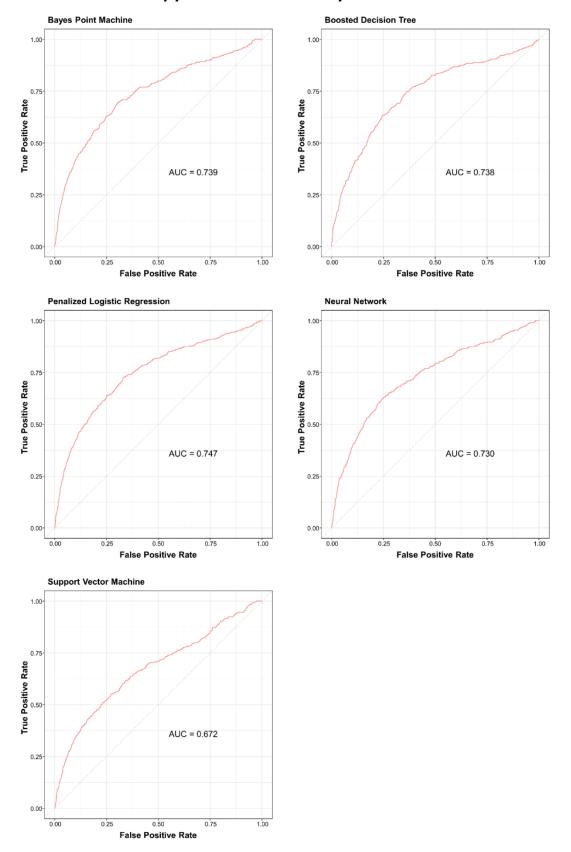
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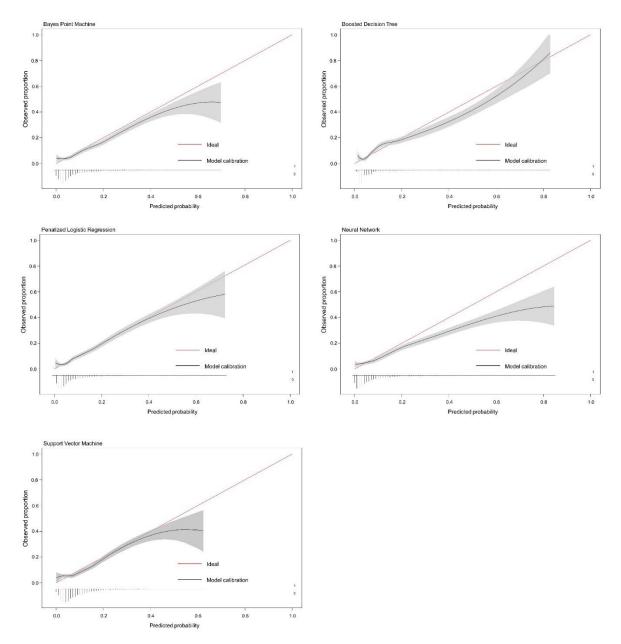


Appendix 1. The receiver operating characteristic (ROC) curve and area under the curve (AUC) for each machine learning prediction model in the derivation-cohort.

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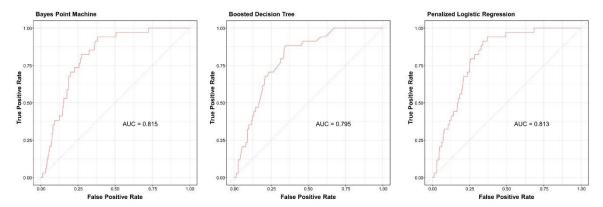
Appendix 2. The calibration curves for each machine learning prediction model in the derivation- cohort. The grey area around the calibration curves represents the 95% confidence interval.

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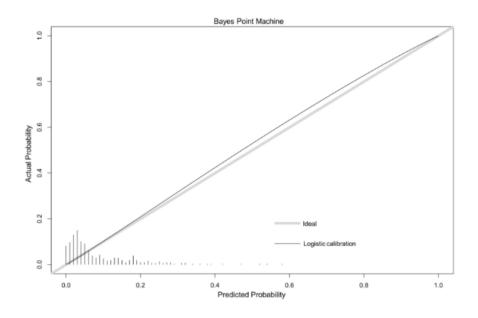


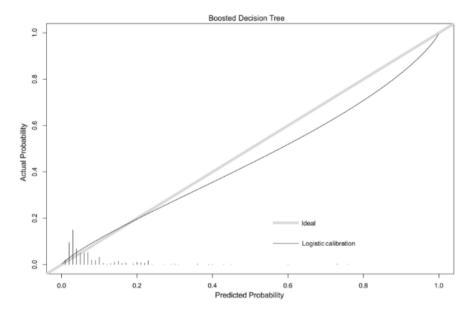
Appendix 3. The receiver operating characteristic (ROC) curve and area under the curve (AUC) for Bayes point machine, boosted decision tree and penalized logistic regression in the validation-cohort.

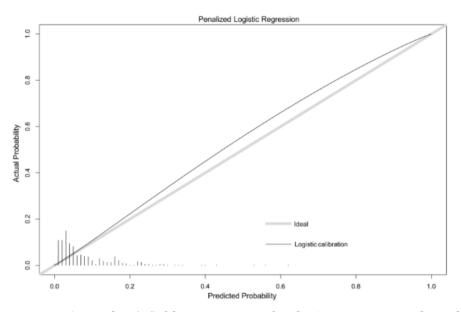
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Appendix 4. Calibration curves for the Bayes point machine, boosted

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decision tree and penalized logistic regression in the validation- cohort.