Supplemental Table 1 : Area under the Receiver-operating Characteristic Curve, Sensitivity- Specificity and optimal cut for HPI andΔ MAP for predicting hypotensive events. Data are presented as point estimates (95% CI)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Time to event** | **AUC** | **Sensitivity** | **Specificity** | **PPV (%)** | **NPV (%)** | **Cutoff** |
| HPI | 0 min | 1 [1-1] | 1 [1-1] | 1 [1-1] | 100 [100-100] | 100 [100-100] | 98 |
| 5 min | 0.926 [0.925-0.926] | 0.858 [0.858-0.859] | 0.858 [0.858-0.859] | 0.889 [0.888-0.89] | 0.817 [0.816-0.819] | 40 |
| 10 min | 0.895 [0.894-0.895] | 0.817 [0.816-0.818] | 0.817 [0.816-0.818] | 0.792 [0.791-0.794] | 0.836 [0.835-0.838] | 37 |
| 15 min | 0.879 [0.879-0.880] | 0.806 [0.805-0.807] | 0.806 [0.805-0.807] | 0.726 [0.724-0.729] | 0.865 [0.864-0.866] | 36 |
|  |  |  |  |  |  |  |  |
|  Δ MAPfor MAP range 65-75 mmHg | 0 min | 0.822 [0.822-0.823] | 0.741 [0.740-0.742] | 0.741 [0.740-0.742] | 0.878 [0.877-0.879] | 0.532 [0.530-0.534] | 3.31 mmHg |
| 5 min | 0.609 [0.608-0.611] | 0.557 [0.556-0.558] | 0.557 [0.556-0.558] | 0.611 [0.610-0.613] | 0.501 [0.499-0.503] | 0.54 mmHg |
| 10 min | 0.624 [0.623-0.626] | 0.564 [0.563-0.565] | 0.564 [0.563-0.565] | 0.524 [0.522-0.526] | 0.603 [0.601-0.605] | 0.50 mmHg |
| 15 min | 0.673 [0.672-0.675] | 0.586 [0.585-0.587] | 0.586 [0.585-0.587] | 0.458 [0.457-0.460] | 0.702 [0.700-0.704] | 0.37 mmHg |
|  |  |  |  |  |  |  |  |
| Δ MAPfor MAP range 75 -85 mmHg | 0 min | 0.985 [0.985-0.985] | 0.972 [0.972-0.973] | 0.972 [0.972-0.973] | 0.914 [0.913-0.914] | 0.991 [0.991-0.991] | 11.6mmHg |
| 5 min | 0.691 [0.690-0.692] | 0.656 [0.655-0.657] | 0.656 [0.655-0.657] | 0.361 [0.359-0.362] | 0.865 [0.864-0.866] | 1.55 mmHg |
| 10 min | 0.545 [0.543-0.546] | 0.539 [0.538-0.541] | 0.539 [0.538-0.541] | 0.219 [0.218-0.221] | 0.829 [0.828-0.831] | 0.55 mmHg |
| 15 min | 0.606 [0.605-0.608] | 0.592 [0.590-0.594] | 0.592 [0.591-0.594] | 0.233 [0.231-0.235] | 0.875 [0.873-0.876] | 1.00mmHg |
|  |  |  |  |  |  |  |  |
| Δ MAPfor MAP range 85-95mHg | 0 min | 0.999 [0.999-0.999] | 0.999 [0.998-0.999] | 0.994 [0.994-0.994] | 0.954 [0.953-0.956] | 1.000 [1.000-1.000] | 22.22 mmHg |
| 5 min | 0.818 [0.817-0.820] | 0.769 [0.767-0.771] | 0.769 [0.768-0.771] | 0.365 [0.362-0.368] | 0.951 [0.950-0.951] | 3.27 mmHg |
| 10 min | 0.717 [0.715-0.719] | 0.679 [0.677-0.680] | 0.679 [0.677-0.680] | 0.231 [0.229-0.233] | 0.937 [0.936-0.937] | 1.75 mmHg |
| 15 min | 0.692 [0.690-0.694] | 0.657 [0.655-0.660] | 0.657 [0.655-0.659] | 0.206 [0.204-0.209] | 0.934 [0.933-0.935] | 1.53 mmHg |
|  |  |  |  |  |  |  |  |
| Δ MAPfor MAP in all ranges | 0 min | 0.845 [0.844-0.846] | 0.757 [0.756-0.757] | 0.757 [0.756-0.757] | 0.708 [0.707-0.709] | 0.798 [0.796-0.799] | 3.07 mmHg |
| 5 min | 0.549 [0.548-0.550] | 0.535 [0.535-0.536] | 0.535 [0.535-0.536] | 0.352 [0.351-0.353] | 0.709 [0.708-0.711] | 0.65 mmHg |
| 10 min | 0.515 [0.515-0.516] | 0.514 [0.513-0.514] | 0.514 [0.513-0.514] | 0.262 [0.261-0.263] | 0.758 [0.757-0.760] | 0.48 mmHg |
| 15 min | 0.516 [0.515-0.516] | 0.510 [0.509-0.511] | 0.510 [0.509-0.511] | 0.210 [0.209-0.211] | 0.803 [0.802-0.804] | 0.44 mmHg |