**Supplementary material**

**3**-**months follow**-**up risk stratification for MACCEs analyses.**

Supplementary Table 1. 3 months MACCE follow up after CEA. Logistic regression model.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | OR | 95% CI | *p* | *p*-model | AUC |
| RCRI | | | | | | |
|  | 1 | ref. |  |  | 0.06 | 0.63 |
|  | 2 | 2.02 | 0.71–6.79 | 0.167 |
|  | 3 | 3.81 | 1.18–12.02 | 0.025 |
| MET | | | | | | |
|  | >4 | ref. |  |  | 0.028 | 0.63 |
|  | <4 | 6.9 | 2.71–17.04 | 0.001 |
| ASA Status | | | | | | |
|  | 2 | ref. |  |  | 0.578 | 0.55 |
|  | 3 | 2.8 | 0.77–10.15 | 0.117 |
|  | 4 | 8.75 | 2.03–37.70 | 0.004 |
| AGE | | | | | | |
|  | model | 1.03 | 0.97–1.08 | 0.239 | 0.22 | 0.58 |
| BNP | | | | | | |
|  | model | 1.001 | 0.99–1.03 | 0.260 | 0.352 | 0.65 |
| Hb | | | | | | |
|  | model | 0.74 | 0.57–0.95 | 0.022 | 0.022 | 0.65 |

Statistically significant <0.05.

Supplementary Table 2. 3 months MACCEs follow up after CEA, binary variables combination. Logistic regression model.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | OR | 95% CI | *p* | *p*-model | AUC |
| RCRI + MET | | | | | | | |
|  | 2 | | 2.05 | 0.64–6.60 | 0.26 | 0.001 | 0.76 |
|  | 3 | | 2.82 | 0.84–9.58 | 0.095 |
|  | MET <4 | | 6.16 | 2.42 | 6.58 |
| RCRI + ASA | | | | | | | |
|  | 2 | | 1.60 | 0.49–5.18 | 0.43 | 0.0321 | 0.69 |
|  | 3 | | 1.96 | 0.53–7.26 | 0.31 |
|  |  | |  |  |  |
|  | 3 | | 2.27 | 0.59–8.87 | 0.23 |
|  | 4 | | 5.99 | 1.18–30.1 | 0.031 |
| RCRI + BNP | | | | | | | |
|  | 2 | | 1.21 | 0.24–6.10 | 0.82 | 0.68 | 0.64 |
|  | 3 | | 1.82 | 2.26–12.62 | 0.54 |
|  | bnp | | 1.0 | 0.99–1.00 | 0.471 |
| RCRI + AGE | | | | | | | |
|  | 2 | | 2.09 | 0.67–6.46 | 0.199 | 0.08 | 0.67 |
|  | 3 | | 3.73 | 1.16–12.02 | 0.027 |
|  | age | | 1.03 | 0.97–1.08 | 0.280 |
| RCRI + HB | | | | | | | |
|  | | 2 | 1.72 | 0.52–5.63 | 0.370 | 0.04 | 0.68 |
|  | | 3 | 3.04 | 0.85–10.88 | 0.087 |
|  | | hb | 0.80 | 0.61–1.05 | 0.111 |

Statistically significant <0.05.

Supplementary Table 3. Prognostic model combination, 3 months Adverse Effects

follow up after CEA.

|  |  |  |  |
| --- | --- | --- | --- |
|  | SEN | SPEC | AUC |
| RCRI + ASA + Hb + MET | 3.3 | 97.51 | 0.8219 |
| RCRI + ASA + Hb + MET + AGE | 4.97 | 99.53 | 0.8921 |
| RCRI + ASA + Hb + MET + BNP | 11.1 | 100 | 0.9175 |
| RCRI + ASA + Hb + MET + AGE + BNP | 11.1 | 100 | 0.9233 |

Statistically significant <0.05.