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| **Table S8. Sensitivity Analysis. Myocardial injury after non-cardiac surgery: Multivariable associations with AUC under thresholds using linear + quadratic terms for continuous predictors, comparing to use linear terms only** | | | |
| **Threshold** | 1. **Adjusted OR (98.75% CI)  a Linear term** | 1. **Adjusted OR (98.75% CI)  b Linear + quadratic terms** | **OR b / OR a** |
| **AUC under SBP < 90 mmHg** |  |  |  |
| Reference (never < 90 mmHg) | Ref = 1 | Ref = 1 |  |
| Q1 (1-21 min) | 0.85 (0.65-1.10) | 0.85 (0.65-1.10) | 1 |
| Q2 (22-66 min) | 1.00 (0.78-1.29) | 1.01 (0.78-1.29) | 1 |
| Q3 (67-166 min) | 1.16 (0.91-1.49) | 1.16 (0.91-1.49) | 1 |
| Q4 (>166 min) | 1.65 (1.30-2.09) | 1.54 (1.21-1.97) | 0.93 |
| **AUC under MAP < 65mmHg** |  |  |  |
| Reference (never < 65 mmHg) | Ref = 1 | Ref = 1 |  |
| Q1 (1-25 min) | 1.03 (0.78-1.38) | 1.07 (0.80-1.42) | 1.04 |
| Q2 (26-78min) | 1.09 (0.82-1.46) | 1.10 (0.82-1.47) | 1.01 |
| Q3 (79-198min) | 1.37 (1.04-1.81) | 1.37 (1.03-1.81) | 1 |
| Q4 (>198min) | 1.51 (1.14-2.00) | 1.46 (1.10-1.94) | 0.97 |
| **AUC under DBP < 50mmHg** |  |  |  |
| Reference (never < 50 mmHg) | Ref = 1 | Ref = 1 |  |
| Q1 (1-28 min) | 1.01 (0.75-1.35) | 1.02 (0.76-1.37) | 1.01 |
| Q2 (29-99min) | 1.15 (0.86-1.54) | 1.15 (0.86-1.54) | 1 |
| Q3 (100-289min) | 1.20 (0.90-1.60) | 1.18 (0.88-1.58) | 0.98 |
| Q4 (>289min) | 1.23 (0.91-1.65) | 1.21 (0.90-1.63) | 0.98 |
| **AUC under PP < 35mmHg** |  |  |  |
| Reference (never < 35 mmHg) | Ref = 1 | Ref = 1 |  |
| Q1 (1-15 min) | 1.12 (0.88-1.43) | 1.13 (0.88-1.44) | 1.01 |
| Q2 (16-49min) | 1.27 (1.01-1.61) | 1.28 (1.01-1.62) | 1.01 |
| Q3 (50-137min) | 1.34 (1.06-1.71) | 1.33 (1.04-1.69) | 0.99 |
| Q4 (>137min) | 2.03 (1.62-2.55) | 1.96 (1.55-2.47) | 0.97 |
| MINS= myocardial injury after non-cardiac surgery  **a Linear term for continuous predictors b Linear + quadratic terms for continuous predictors (age, surgical time, baseline EGFR and hemoglobin, intraoperative blood loss), quadratic terms of surgical time and blood loss were significant in all models (P<0.05), quadratic term of age was also significant while modeling the association between MINS and AUC SBP < 90 mmHg.** Abbreviations: AUC = area under curve; BP = blood pressure; DBP = diastolic blood pressure; MAP=mean arterial pressure; MINS = myocardial injury after non-cardiac surgery; OR = odds ratio, PP = pulse pressure; SBP= systolic blood pressure. | | | |