**Supplemental material**

**Supplemental material 1**

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| **S1〡**Univariate analysis between remimazolam dose and each independent variable | | | |
|  | **β** | **95% CI** | ***P* Value** |
| Age  BMI, kg/m2  EF%  INR  Albumin, g/L  Bilirubin,μmol/L  ALT, U/L  AST, U/L  Scr, μmol/L  BUN, mmol/L | -0.003  -0.008  0.001  0.170  0.003  -0.001  -0.001  -0.001  -0.001  -0.002 | -0.004~-0.002  -0.013~-0.003  -0.007~0.008  -0.035~0.375  0.000~0.006  -0.003~0.001  -0.002~0.000  -0.002~0.000  -0.001~0.000  -0.004~0.001 | <0.001\*\*\*  0.003\*\*  0.870  0.103  0.067  0.319  0.108  0.181  0.149  0.139 |
| *p* value in linear regression model. *p* <0.05, \*; *p* <0.01, \*\*; *p* <0.001, \*\*\*. | | | |
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