

Supplementary Table 1 Associations between central venous pressure and postoperative pulmonary complications in the crude analysis, multivariable analysis, and propensity-score analyses (low central venous pressure group *vs* high central venous pressure group)

Analysis	OR	95%CI	<i>p</i> value
Crude analysis	2.00	1.00~4.01	0.049
Multivariable analysis ^a	2.18	1.05~4.51	0.036
PropensityScore.adjusted ^b	2.17	1.05~4.49	0.037
PropensityScore.Matched ^c	2.27	1.04~4.99	0.040
Weighted.IPTW ^d	2.29	1.18~4.46	0.015
Weighted.SMRW ^e	2.02	1.01~4.04	0.047

a. Shown is the odds ratio from the multivariable logistic model, with adjusted for all covariates in table (*Age+Sex+Cold ischemia time+Blood loss+Urine+Liquid transfusion+Blood transfusion+IR+Anthepatic phase time+PELD score*)

b. Shown is the odds ratio from the multivariable logistic regression model with the same strata and covariates.

c. Shown is the odds ratio from the multivariable logistic model with the same strata and covariates with matching according to the propensity score. (On the basis of the clinical experience, patients were divided into two groups: the LCVP group (CVP $\leq$ 10 cmH₂O; n = 361) and the HCVP group (CVP > 10 cmH₂O; n = 65)

d. Shown is the primary analysis with multivariable logistic model with the same covariates with inverse probability weighting according propensity score

e. Shown is the primary analysis with multivariable logistic model with the same covariates with standardized mortality ratio weighting according propensity score