**Table S1. The univariate logistic regression analysis of EMPs.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Variables** | **Log-VE-cadherin EMPs** | | **Log-PECAM EMPs** | | **Log-E-selectin EMPs** | |
| rs | *P* Value | rs | *P* Value | rs | *P* Value |
| Age (year) | 0.174 | 0.067 | 0.160 | 0.080 | 0.163 | 0.076 |
| BMI (kg/m2) | -0.128 | 0.097 | -0.101 | 0.169 | -0.122 | 0.101 |
| Smoking (pack-year) | 0.149 | 0.082 | 0.210 | 0.002\* | 0.197 | 0.069 |
| Lung function |  |  |  |  |  |  |
| FEV1/Pre (%) | -0.613 | < 0.001\* | -0.479 | < 0.001\* | -0.523 | < 0.001\* |
| FEV1/FVC (%) | -0.470 | < 0.001\* | -0.577 | < 0.001\* | -0.507 | < 0.001\* |
| WBC (×109/l) | 0.107 | 0.168 | 0.027 | 0.309 | 0.128 | 0.159 |
| CRP (mg/l) | 0.024 | 0.317 | 0.025 | 0.313 | 0.019 | 0.322 |

**Abbreviations:** BMI, body mass index, FEV1: forced expiratory volume in 1 second; FVC, forced vital capacity; WBC, white blood cell; CRP, C-reactive protein.

**Note:** Univariate logistic regression analysis was used, *P*<0.05. Because of abnormal distribution in EMPs, log-transformation was used in univariate logistic regression analysis.

**Table S2. The multiple logistic regression analysis of VE-cadherin EMPs.**

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | β | 95% CI | *P* value |
| Age (year) | 0.010 | (-0.077, 0.079) | 0.836 |
| BMI (kg/m2) | -0.031 | (-0.125, 0.062) | 0.695 |
| Smoking (pack-year) | 0.049 | (-0.026, 0.124) | 0.263 |
| FEV1/Pre (%) | -0.147 | (-0.233, -0.060) | **＜0.001** |
| FEV1/FVC (%) | -0.067 | (-0.086, -0.048) | **＜0.001** |

**Abbreviations:** BMI, body mass index, FEV1: forced expiratory volume in 1 second; FVC, forced vital capacity; WBC, white blood cell; CRP, C-reactive protein.

**Note:** Multiple logistic regression analysis was used, *P*<0.05.

**Table S3. The multiple logistic regression analysis of PECAM EMPs EMPs.**

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | β | 95% CI | *P* value |
| Age (year) | 0.034 | (-0.065, 0.134) | 0.566 |
| Smoking (pack-year) | -0.065 | (-0.029, -0.110) | **0.017** |
| FEV1/Pre (%) | -0.135 | (-0.196. -0.072) | **＜0.001** |
| FEV1/FVC (%) | -0.123 | (-0.185, -0.061) | **＜0.001** |

**Abbreviations:** FEV1: forced expiratory volume in 1 second; FVC, forced vital capacity.

**Note:** Multiple logistic regression analysis was used, *P*<0.05.

**Table S4. The multiple logistic regression analysis of E-selectin EMPs.**

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | β | 95% CI | *P* value |
| Age (year) | 0.011 | (-0.088, 0.109) | 0.692 |
| Smoking (pack-year) | 0.044 | (-0.045, 0.127) | 0.303 |
| FEV1/Pre (%) | -0.263 | (-0.332, -0.193) | **＜0.001** |
| FEV1/FVC (%) | -0.231 | (-0.301, -0.161) | **＜0.001** |

**Abbreviations:** FEV1: forced expiratory volume in 1 second; FVC, forced vital capacity.

**Note:** multiple logistic regression analysis was used, *P*<0.05.