**Supplementary information**

**Risk factors associated with mortality in hypersensitivity pneumonitis: a meta-analysis**

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**Table S1** Univariate analysis of mortality risk factors in patients with hypersensitivity pneumonitis (HP)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Risk factors | Odds ratio (OR) | 95% CI | P value (OR) | Heterogeneity (I2) | P value (I2) |
| Age | 1.038 | 1.028-1.048  | 0.000 | 40.8% | 0.077 |
| Sex (male) | 1.508  | 1.240-1.834  | 0.000 | 32.4% | 0.180 |
| Smoking status | 1.010  | 0.993-1.027  | 0.252 | 78.4% | 0.000 |
| FVC | 0.977 | 0.972-0.983 | 0.000 | 76.9%  | 0.000 |
| DLco | 0.974 | 0.968- 0.981 | 0.000 | 85.1% | 0.000 |
| Honeycombing | 1.086 | 1.065-1.108 | 0.000 | 86.5% | 0.000 |
| Mosaic attenuation | 1.016  | 1.000-1.032 | 0.044 | 72.3%  | 0.001 |
| Reticulation | 1.021  | 1.014-1.029  | 0.000 | 95.0%  | 0.000 |
| GGO | 0.989 | 0.982-0.996 | 0.003 | 62.5% | 0.004 |
| Traction bronchiectasis | 1.141 | 1.092-1.192  | 0.000 | 88.4%  | 0.000 |

FVC: Forced vital capacity, DLco: Diffusing capacity for carbon monoxide, GGO: Ground glass opacity

**Table S2** Multivariate analysis of mortality risk factors in patients with hypersensitivity pneumonitis (HP)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Risk factors | Odds ratio (OR) | 95% CI | P value (OR) | Heterogeneity (I2) | P value (I2) |
| Age | 1.036  | 1.025-1.046  | 0.000 | 58.0%  | 0.011 |
| Sex (male) | 1.396  | 1.004-1.943  | 0.047 | 0.0% | 0.779 |
| Smoking status | 1.009  | 0.989-1.029  | 0.396 | 74.5%  | 0.001 |
| FVC | 0.972  | 0.964-0.981  | 0.000 | 68.4%  | 0.004 |
| DLco | 0.954  | 0.941-0.968  | 0.000 | 51.7%  | 0.126 |
| Honeycombing | 1.121 | 1.070-1.175  | 0.000 | 89.4%  | 0.000 |
| Mosaic attenuation | 0.184 | 0.074-0.455 | 0.000 | 61.1% | 0.109 |
| GGO | 0.960 | 0.921-1.001 | 0.056 | 0.0%  | 0.743 |
| Traction bronchiectasis | 1.107 | 1.048-1.169 | 0.000 | 83.3%  | 0.003 |

FVC: Forced vital capacity, DLco: Diffusing capacity for carbon monoxide, GGO: Ground glass opacity



**Fig. S1** Funnel plots show publication bias for (A) age (B) sex (male) (C) honeycombing and (D) traction bronchiectasis in patients with hypersensitivity pneumonitis (HP)