**Supplementary Table 3. Univariate analysis between noninvasive variables and presence of IPVD after data preprocessing on the training dataset**

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| --- | --- | --- |
| **Noninvasive variable** | ***χ***2 | ***p*** |
| Age | 1.848 | 0.397 |
| Gender, female | 0.880 | 0.348 |
| Hypertension | 0.004 | 0.947 |
| Diabetes | 0.806 | 0.369 |
| Smoking | 2.507 | 0.113 |
| Drinking | 2.433 | 0.119 |
| BMI | 0.009 | 0.995 |
| Dyspnea | 20.632 | <0.001 |
| Liver palm | 20.889 | <0.001 |
| Number of spider angioma | 20.305 | <0.001 |
| Ascites | 11.332 | 0.001 |
| Acropachy | 21.163 | <0.001 |
| Encephalopathy | 8.536 | 0.003 |
| SpO2 difference between seated and supine | 12.598 | 0.001 |