**Supplementary Table 1. The valuation of noninvasive variables after data preprocessing**

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| **Noninvasive variable** | **Valuation** |
| Age | Age ≤45: 0  45<Age<65: 1  Age ≥65: 2 |
| Gender | M=0, F=1 |
| Hypertension | Y=1, N=0 |
| Diabetes | Y=1, N=0 |
| Smoking | Y=1, N=0 |
| Drinking | Y=1, N=0 |
| Dyspnea | Y=1, N=0 |
| BMI | BMI<18.5: 0  18.5≤BMI≤23: 1  BMI>23: 2 |
| Dyspnea | Y=1, N=0 |
| Liver palm | Y=1, N=0 |
| Ascites | Y=1, N=0 |
| Acropachy | Y=1, N=0 |
| Encephalopathy | Y=1, N=0 |
| Number of spider angioma | Less than two (≤2): 0  More than three (＞2): 1 |
| SpO2 difference between seated and supine | Less than zero: 0  Equal to zero: 1  More than zero: 2 |

F, female; M, male; N, no; Y, yes.