**Supplementary Table 5. Importance calculated by Boruta for** **discriminating HPS and non-HPS patients**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Variable** | **MeanImp** | **MedianImp** | **MinImp** | **MaxImp** | **Decision** |
| SpO2 | -0.56 | -0.43 | -3.03 | 0.92 | Rejected |
| MELD | -0.88 | -0.73 | -2.06 | -0.24 | Rejected |
| TBA | 0.15 | 0.25 | -1.18 | 1.58 | Rejected |
| TBIL | -1.49 | -1.40 | -2.93 | -0.31 | Rejected |
| DBIL | -0.44 | -0.11 | -3.61 | 1.67 | Rejected |
| ALB | 2.84 | 2.83 | -0.71 | 5.74 | Tentative |
| ALT | -0.27 | -0.04 | -1.52 | 1.08 | Rejected |
| AST | 0.51 | 0.19 | -0.97 | 2.63 | Rejected |
| BUN | -1.28 | -1.09 | -2.66 | -0.32 | Rejected |
| Cr | -0.34 | -0.17 | -1.83 | 1.60 | Rejected |
| Hb | 1.66 | 1.82 | 0.46 | 3.13 | Rejected |
| PT | -0.91 | -1.18 | -1.61 | 0.17 | Rejected |
| APTT | -1.22 | -1.00 | -4.15 | 0.39 | Rejected |
| Fib | 0.28 | 0.38 | -1.19 | 2.26 | Rejected |
| INR | -1.00 | -1.17 | -2.62 | 0.47 | Rejected |
| Age | 6.73 | 6.93 | 1.80 | 10.39 | Confirmed |
| BMI | 1.62 | 1.52 | -0.70 | 6.08 | Rejected |
| HypertensionY | -0.19 | 0.15 | -1.95 | 0.97 | Rejected |
| HypertensionN | -0.11 | 0.10 | -1.91 | 0.94 | Rejected |
| DiabetesY | 0.95 | 1.04 | -1.58 | 3.90 | Rejected |
| DiabetesN | 0.51 | 0.37 | -1.31 | 1.90 | Rejected |
| SexF | -0.33 | -0.40 | -2.38 | 1.98 | Rejected |
| SexM | -0.04 | -0.34 | -0.94 | 2.00 | Rejected |
| VEGF | -0.49 | -0.73 | -3.02 | 2.17 | Rejected |
| VEGFR1 | 1.01 | 1.04 | 0.05 | 2.51 | Rejected |
| VEGFR2 | 0.72 | 0.71 | -0.40 | 2.03 | Rejected |
| PLGF | 4.08 | 4.13 | 0.99 | 7.96 | Confirmed |
| SFlt-1 | 10.79 | 10.94 | 6.17 | 14.42 | Confirmed |
| sFlt-1/PLGF | 9.37 | 9.65 | 3.38 | 12.14 | Confirmed |
| shadowMax | 3.39 | 3.17 | -1.09 | 9.26 | / |
| shadowMean | -0.28 | -0.28 | -2.60 | 1.98 | / |
| shadowMin | -3.11 | -2.96 | -6.71 | -0.97 | / |

ALB, albumin; ALT, alanine aminotransferase; APTT, activated coagulation time of whole blood; AST, aspartate aminotransferase; BMI, body mass index; BUN, blood urea nitrogen; Cr, creatinine; DBIL, direct bilirubin; F, female; Fib, fibrinogen; Hb, hemoglobin; INR, international normalized ratio; M, male; MELD, model of end-stage liver disease; N, no; PLGF, placental growth factor; PLT, platelet; PT, prothrombin time; sFlt-1, soluble vascular endothelial growth factor 1; SpO2, pulse oxygen saturation; TBA, total bile acid; TBIL, total bilirubin; VEGF, vascular endothelial growth factor; VEGFR1, vascular endothelial growth factor receptor 1; VEGFR2, vascular endothelial growth factor receptor 2; Y, yes.