The Risk Prediction Model for Healthcare-Associated Infections among Elderly Patients Underwent Pancreaticoduodenectomy

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## Additional file

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## Figure S1 Visualization of real value versus predicted value of HAIs in testing sets

**Table S1** BP-ANN prediction model final weights output results

|  |  |
| --- | --- |
| **Input layer variables** | **Hidden layer neuron** |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| Weight | 0.186  | -0.412  | -1.822  | -0.933  | -0.900  | -1.228  | -0.571  | -1.442  | -1.625  |
| Fever  | -2.381  | 0.697  | -0.635  | -0.132  | -1.126  | 1.472  | -0.275  | -0.155  | 0.037  |
| Continuous fever for more than three days  | 0.611  | 0.786  | -1.625  | -2.472  | 0.000  | -0.860  | -1.470  | -0.672  | -1.951  |
| Ever lived in ICU | 1.287  | 1.391  | 0.810  | -0.753  | -0.796  | -0.565  | 1.120  | 0.491  | -0.179  |
| Blood routine abnormal percentage | 1.815  | -0.091  | 1.763  | -0.136  | 1.019  | -0.801  | 1.440  | 0.697  | 1.140  |
| Antibacterial combination | 0.544  | 0.486  | 0.161  | 1.665  | 1.745  | -1.627  | 1.741  | -0.988  | 1.572  |
| Postoperative antibacterialuse days | -0.721  | 0.959  | -1.067  | -0.619  | 0.189  | -0.207  | -1.653  | -2.061  | -1.517  |
| Ventilator use | -0.56  | 0.845  | 1.194 | -1.251  | 1.841  | -1.644  | 0.530  | -1.211  | -0.397  |
| Urinary catheter use days  | 0.176  | 2.307  | 0.642  | 0.700  | -1.645  | 1.427  | 1.267  | -2.483  | 0.064  |
| **Output layer** | 0.581  | 0.819  | 0.483  | -0.359  | -0.389  | 0.241  | 0.092  | -1.439  | 0.091  |