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| **Table S2. Characteristics of all explanatory variables in this study.** |
| **Item** | **Variable type** | **Training group (n=267)** |  | **Cross-validation group (n=100)** |
| **Mean ± SD** | **Median** | **Range** | **Frequency (%)** |  | **Mean ± SD** | **Median** | **Range** | **Frequency (%)** |
| Patient information | Age (years) | Real-type variable | 70.61 ± 14.95 | 74 | 0-95 | - |  | 68.16 ± 17.11 | 72 | 0-91 | - |
| Sex (male) | Binary variable1 | - | - | **-** | 121 (45.3) |  | - | - | - | 49 (46.7) |
| Flow cytometry | Bacteria count | Graded variable2 | 2.88 ± 0.98 | 3 | 0-4 | - |  | 2.78 ± 0.95 | 3 | 0-4 | - |
| Leukocytes | Graded variable3 | 3.50 ± 1.90 | 4 | 0-6 | - |  | 3.36 ± 1.93 | 4 | 0-6 | - |
| Erythrocytes | Graded variable3 | 0.67 ± 1.37 | 0 | 0-6 |  |  | 0.86 ± 1.57 | 0 | 0-6 | - |
| BACT scattergram (Area I+II/all areas) | Real-type variable | 0.572 ± 0.261 | 0.602 | 0.046-0.975 | - |  | 0.514 ± 0.268 | 0.470 | 0.061-0.966 | - |
| Dip-stick testing | Specific gravity | Real-type variable | 1.013 ± 0.006 | 1.012 | 1.000-1.035 | - |  | 1.014 ± 0.006 | 1.013 | 1.001-1.031 | - |
| pH | Real-type variable | 6.14 ± 0.75 | 6.0 | 5.0-8.0 | - |  | 6.2 ± 0.71 | 6.0 | 5.0-8.0 | - |
| Proteins | Graded variable4 | 1.48 ± 2.09 | 0 | 0-8 | - |  | 1.73 ± 2.33 | 1 | 0-8 | - |
| Glucose | Graded variable5 | 0.73 ± 2.10 | 0 | 0-9 | - |  | 0.83 ± 2.31 | 0 | 0-9 | - |
| Ketones | Graded variable6 | 0.02 ± 0.17 | 0 | 0-2 | - |  | 0.02 ± 0.14 | 0 | 0-1 | - |
| Hemoglobin | Graded variable7 | 1.57 ± 1.95 | 1 | 0-7 | - |  | 1.69 ± 2.08 | 1 | 0-7 | - |
| Nitrite | Graded variable8 | 0.97 ± 1.34 | 0 | 0-7 | - |  | 0.83 ± 1.27 | 0 | 0-3 | - |
| Leukocytes esterase | Graded variable9 | 2.64 ± 1.41 | 3 | 0-4 | - |  | 2.32 ± 1.51 | 2 | 0-4 | - |
| 1 0 for male, 1 for female. 2 <10^4/mL to ≥10^7/mL was assigned for rank 0 to 4. 3 <5/HPF to ≥100/HPF was assigned for rank 0 to 6. 4 Negative to (4+) >1000 mg/dL was assigned for rank 0 to 10. 5 Negative to (4+) >1000 mg/dL was assigned for rank 0 to 9. 6 Negative to (1+) 20 mg/dL was assigned for rank 0 to 2. 7 Negative to (3+) >1.0 mg/dL was assigned for rank 0 to 7.8 Negative to (3+) was assigned for rank 0 to 4. 9 Negative to (4+) 500/µL was assigned for rank 0 to 4. |
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