**Supplemental material**

**Table 1. Univariate analysis of outcomes**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Outcomes** | **Predictor**  | **OR** | **95% CI** | **p value**  |
| In – hospital mortality | AgeFever New cardiac murmurShock at admissionEmbolism at admission Heart failure at admission | 1.0290.5770.7960.3920.9761.946 | 1.000 – 1.0590.283 – 1.1750.372 – 1.7020.112 – 1.3760.388 -2.4560.616 – 6.154 | 0.0480.1300.5560.1440.9580.257 |
| Methi – R Staphyloccocus aureus Methi – S Staphyloccocus aureusMethi – S Staphyloccocus aureus CN - Methi – R Staphyloccocus aureus CN - Streptococcus viridansEnterococcusStreptoccocus gallolyticus  | 4.9551.2981.0080.6521.0580.3430.365 | 1.420 – 17.2940.527 -3.1960.266 – 3.8250.138 – 3.0860.476 – 2.3520.076 -1.5450.081 – 1.651 | **0.012**0.5710.9900.5900.8910.1630.191 |
| Mitral valve IEAortic valve IE | 1.9701.044 | 0.967 – 4.0140.517 – 2.110 | 0.0620.905 |
| Embolic events during hospitalization | AgeFever New cardiac murmurShock at admissionHeart failure at admission | 0.9840.9310.7672.5050.989 | 0.963 – 1.0060.491 – 1.7650.394 – 1.4941.092 – 5.7460.319 – 3.064 | 0.1600.8270.4360.0300.985 |
| Methi – R Staphyloccocus aureus Methi – S Staphyloccocus aureusMethi – S Staphyloccocus aureus CN - Methi – R Staphyloccocus aureus CN - Streptococcus viridansEnterococcusStreptoccocus gallolyticus Mitral valve IEAortic valve IE | 1.3211.7192.4440.3851.4860.3400.2220.8441.839 | 0.370 -4.7260.775 – 3.8150.811 – 7.3700.082 – 1.8050.735 – 3.0220.096 – 1.2100.050 – 0.9960.451 – 1.5790.977 – 3.459 | 0.6680.1830.1120.2260.2700.0960.0500.5960.059 |
| Shock during hospitalzation | AgeFever New cardiac murmurEmbolism at admissionHeart failure at admissionMethi – R Staphyloccocus aureus Methi – S Staphyloccocus aureusMethi – S Staphyloccocus aureus CN - Methi – R Staphyloccocus aureus CN - Streptococcus viridansEnterococcusStreptoccocus gallolyticus Mitral valve IEAortic valve IE | 1.0150.8360.7270.9041.1934.5821.1891.4240.585 0.8131.0570.5591.5171.333 | 0.989 – 1.0420.412 – 1.6950.342 – 1.5450.360 – 2.2680.355 – 4.0551.316 – 15.9470.485 – 2.9150.420 – 4.8230.124 – 2.7580.362 – 1.8290.361 – 3.0960.155 – 2.0170.758 – 3.0360.665 – 2.675 | 0.2730.6190.4070.8300.7750.0170.7050.5710.4980.6180.9190.3740.2390.418 |
| Cardiac surgery | AgeFever New cardiac murmurShock at admissionEmbolism at admissionHeart failure at admissionMethi – R Staphyloccocus aureus Methi – S Staphyloccocus aureusMethi – S Staphyloccocus aureus CN - Methi – R Staphyloccocus aureus CN - Streptococcus viridansEnterococcusStreptoccocus gallolyticus Mitral valve IEAortic valve IE | 0.9590.7901.9161.6191.4631.8590.4210.6370.7500.9120.9391.3080.9461.0951.316 | 0.936 – 0.9830.426 – 1.4651.005 – 3.6510.684 – 3.8320.655 – 3.2700.604 – 5.7240.118 – 1.4960.294 – 1.3800.251 – 2.2420.293 – 2.8390.481 -1.8320.512 -3.3430.370 – 2.4180.603 -1.9890.727 – 2.382 | 0.0010.4550.0480.2730.3530.2800.1810.2520.6070.8740.8520.5750.9070.7650.364 |

Methi – R Staphyloccocus aureus : Methicilin resistant Staphyloccocus aureus ; Methi – S Staphyloccocus aureus : Methicilin sensitive Staphyloccocus aureus ; Methi – S Staphyloccocus aureus CN - : Methicilin sensitive Staphyloccocus aureus coagulase – negative; Methi – R Staphyloccocus aureus CN - : Methicilin resistant Staphyloccocus aureus coagulase – negative; IE: infective endocarditis