**Supplemental material**

**Table 1. Univariate analysis of outcomes**

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| --- | --- | --- | --- | --- |
| **Outcomes** | **Predictor** | **OR** | **95% CI** | **p value** |
| In – hospital mortality | Age  Fever  New cardiac murmur  Shock at admission  Embolism at admission  Heart failure at admission | 1.029  0.577  0.796  0.392  0.976  1.946 | 1.000 – 1.059  0.283 – 1.175  0.372 – 1.702  0.112 – 1.376  0.388 -2.456  0.616 – 6.154 | 0.048  0.130  0.556  0.144  0.958  0.257 |
| Methi – R Staphyloccocus aureus  Methi – S Staphyloccocus aureus  Methi – S Staphyloccocus aureus CN -  Methi – R Staphyloccocus aureus CN -  Streptococcus viridans  Enterococcus  Streptoccocus gallolyticus | 4.955  1.298  1.008  0.652  1.058  0.343  0.365 | 1.420 – 17.294  0.527 -3.196  0.266 – 3.825  0.138 – 3.086  0.476 – 2.352  0.076 -1.545  0.081 – 1.651 | **0.012**  0.571  0.990  0.590  0.891  0.163  0.191 |
| Mitral valve IE  Aortic valve IE | 1.970  1.044 | 0.967 – 4.014  0.517 – 2.110 | 0.062  0.905 |
| Embolic events during hospitalization | Age  Fever  New cardiac murmur  Shock at admission  Heart failure at admission | 0.984  0.931  0.767  2.505  0.989 | 0.963 – 1.006  0.491 – 1.765  0.394 – 1.494  1.092 – 5.746  0.319 – 3.064 | 0.160  0.827  0.436  0.030  0.985 |
| Methi – R Staphyloccocus aureus  Methi – S Staphyloccocus aureus  Methi – S Staphyloccocus aureus CN -  Methi – R Staphyloccocus aureus CN -  Streptococcus viridans  Enterococcus  Streptoccocus gallolyticus  Mitral valve IE  Aortic valve IE | 1.321  1.719  2.444  0.385  1.486  0.340  0.222  0.844  1.839 | 0.370 -4.726  0.775 – 3.815  0.811 – 7.370  0.082 – 1.805  0.735 – 3.022  0.096 – 1.210  0.050 – 0.996  0.451 – 1.579  0.977 – 3.459 | 0.668  0.183  0.112  0.226  0.270  0.096  0.050  0.596  0.059 |
| Shock during hospitalzation | Age  Fever  New cardiac murmur  Embolism at admission  Heart failure at admission  Methi – R Staphyloccocus aureus  Methi – S Staphyloccocus aureus  Methi – S Staphyloccocus aureus CN -  Methi – R Staphyloccocus aureus CN -  Streptococcus viridans  Enterococcus  Streptoccocus gallolyticus  Mitral valve IE  Aortic valve IE | 1.015  0.836  0.727  0.904  1.193  4.582  1.189  1.424  0.585  0.813  1.057  0.559  1.517  1.333 | 0.989 – 1.042  0.412 – 1.695  0.342 – 1.545  0.360 – 2.268  0.355 – 4.055  1.316 – 15.947  0.485 – 2.915  0.420 – 4.823  0.124 – 2.758  0.362 – 1.829  0.361 – 3.096  0.155 – 2.017  0.758 – 3.036  0.665 – 2.675 | 0.273  0.619  0.407  0.830  0.775  0.017  0.705  0.571  0.498  0.618  0.919  0.374  0.239  0.418 |
| Cardiac surgery | Age  Fever  New cardiac murmur  Shock at admission  Embolism at admission  Heart failure at admission  Methi – R Staphyloccocus aureus  Methi – S Staphyloccocus aureus  Methi – S Staphyloccocus aureus CN -  Methi – R Staphyloccocus aureus CN -  Streptococcus viridans  Enterococcus  Streptoccocus gallolyticus  Mitral valve IE  Aortic valve IE | 0.959  0.790  1.916  1.619  1.463  1.859  0.421  0.637  0.750  0.912  0.939  1.308  0.946  1.095  1.316 | 0.936 – 0.983  0.426 – 1.465  1.005 – 3.651  0.684 – 3.832  0.655 – 3.270  0.604 – 5.724  0.118 – 1.496  0.294 – 1.380  0.251 – 2.242  0.293 – 2.839  0.481 -1.832  0.512 -3.343  0.370 – 2.418  0.603 -1.989  0.727 – 2.382 | 0.001  0.455  0.048  0.273  0.353  0.280  0.181  0.252  0.607  0.874  0.852  0.575  0.907  0.765  0.364 |

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