

*Supplementary Table S1: Characteristics of the matched cases and controls who had and did not have *S. pneumoniae* infection.*

| Variable | At least one positive culture for <i>S. pneumoniae</i> (n=34) | Matched SOT recipients with no positive culture for <i>S. pneumoniae</i> (n=102) | Total (n=136) | p-value |
|---|---|--|----------------------|---------|
| Age, median (IQR) | 51 (38, 58) | 55 (41, 61) | 54 (39, 60) | 0.24 |
| Male (n, %) | 22 (65) | 66 (65) | 88 (65) | 1.0 |
| Transplanted organ (n, %) | Heart | 3 (8.8) | 8 (7.8) | 0.94 |
| | Kidney | 15 (44) | 42 (41) | |
| | Liver | 10 (29) | 36 (35) | |
| | Lung | 6 (18) | 16 (16) | |
| Days of follow up post-transplantation, median (IQR) | 1606 (1089, 1826) | 1672 [1078, 1826] | 1,657 (1,083, 1,826) | 0.99 |
| Death, yes (n, %) | 4 (12) | 12 (12) | 16 (12) | 1.0 |

*Supplementary Table S2: Characteristics of the matched cases and controls who had and did not have *H. influenzae* infection*

| Variable | At least one positive culture for <i>H. influenzae</i> (n=44) | Matched SOT recipients with no positive culture for <i>H. influenzae</i> (n=132) | Total (n=176) | p-value |
|---|---|--|--------------------|---------|
| Age, median (IQR) | 55 (46, 60) | 54 (44, 60) | 54 (44, 60] | 0.61 |
| Male (n, %) | 26 (59) | 72 (55) | 98 (56) | 0.73 |
| Transplanted organ (n, %) | Heart | 1 (2.3) | 4 (3.0) | 0.93 |
| | Kidney | 24 (55) | 65 (49) | |
| | Liver | 10 (23) | 35 (27) | |
| | Lung | 9 (21) | 28 (21) | |
| Days of follow up post-transplantation, median (IQR) | 1528 (1100, 1,826) | 1826 (1058.2, 1826) | 1757 (1086, 1,826) | 0.23 |
| Death, yes (n, %) | 4 (9.1) | 16 (12) | 20 (11) | 0.78 |