**Table S2 Characteristics of 99 meningitis cases caused by ST5 and non-ST5 *C. neoformans* species complex**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Total** | **ST5** | **Non-ST5** | ***p*** |
| **No. of cryptococcal meningitis cases** | **99** | **91** | **8** |  |
| **Demographic features** |  |  |  |  |
|  Gender |  |  |  |  |
|  Male (%) | 57(57.6) | 53 (58.2) | 4 (50.0) | 0.937  |
|  Female (%) | 42(42.4) | 38 (41.8) | 4 (50.0) | 0.937  |
|  Age (mean (SD)) | 47.2(16.3) | 47.2 (16.5) | 47.1 (13.3) | 0.986  |
|  Age distribution(%) |  |  |  | 0.643  |
|  ≤14 | 5(5.1) | 5 (5.5) | 0 (0.0) |  |
|  15～24 | 4(4.0) | 4 (4.4) | 0 (0.0) |  |
|  25～34 | 11(11.1) | 10 (11.0) | 1 (12.5) |  |
|  35～44 | 15(15.2) | 13 (14.3) | 2 (25.0) |  |
|  45～54 | 30(30.3) | 26 (28.6) | 4 (50.0) |  |
|  55～64 | 20(20.2) | 20 (22.0) | 0 (0.0) |  |
|  ≥65 | 14(14.1) | 13 (14.3) | 1 (12.5) |  |
|  Contact to pigeon droppings = Yes (%) | 8(8.1) | 8 (8.8) | 0 (0.0) | 0.843  |
| **Underlying status**  |  |  |  |  |
|  Hepatitis and liver cirrhosis (%) | 13(13.1) | 12 (13.2) | 1 (12.5) | 1.000  |
|  Autoimmune disorders (including 7 SLE cases) (%) | 12(12.1) | 11 (12.1) | 1 (12.5) | 1.000  |
|  CKD (%) | 6(6.1) | 6 (6.6) | 0 (0.0) | 1.000  |
|  HIV/AIDS (%) | 4(4.0) | 2 (2.2) | 2 (25.0) | 0.028# |
|  Diabetes (%) | 5(5.1) | 5 (5.5) | 0 (0.0) | 1.000  |
|  Long-term use of immunosuppressants (%) | 3(3.0) | 3 (3.3) | 0 (0.0) | 1.000  |
|  Malignancy (%) | 2(2.0) | 2 (2.2) | 0 (0.0) | 1.000  |
|  Pregnancy (%) | 2(2.0) | 2 (2.2) | 0 (0.0) | 1.000  |
|  Transplant recipient (%) | 1(1.0) | 0 (0.0) | 1 (12.5) | 0.122  |
|  No underlying diseases (%) | 36(36.4) | 33 (36.3) | 3 (37.5) | 1.000  |
| **Clinical presentations** |  |  |  |  |
|  Altered mental status (%) | 8(8.1) | 8 (8.8) | 0 (0.0) | 0.843  |
|  Fever chill (%) | 47(47.5) | 43 (47.3) | 4 (50.0) | 1.000  |
|  Septic shock (%) | 1(1.0) | 1 (1.1) | 0 (0.0) | 1.000  |
|  Seizures (%) | 1(1.0) | 1 (1.1) | 0 (0.0) | 1.000  |
|  Headache (%) | 77(77.8) | 72 (79.1) | 5 (62.5) | 0.522  |
|  Stiff neck (%) | 41(41.4) | 38 (41.8) | 3 (37.5) | 1.000  |
|  Nausea vomiting (%) | 31(31.3) | 28 (30.8) | 3 (37.5) | 1.000  |
|  Visual disturbance (%) | 8(8.1) | 8 (8.8) | 0 (0.0) | 0.843  |
|  Speech difficulties (%) | 2(2.0) | 2 (2.2) | 0 (0.0) | 1.000  |
|  Palsies (%) | 4(4.0) | 4 (4.4) | 0 (0.0) | 1.000  |
|  Dizziness (%) | 7(2.0) | 6 (6.6) | 1 (12.5) | 1.000  |
|  Hemiplegia (%) | 2(2.0) | 2 (2.2) | 0 (0.0) | 1.000  |
|  Unstable walking (%) | 3(3.0) | 3 (3.3) | 0 (0.0) | 1.000  |
|  Klinefelter sign (%) | 22(22.2) | 20 (22.0) | 2 (25.0) | 1.000  |
|  Brinell sign (%) | 7(7.1) | 7 (7.7) | 0 (0.0) | 0.925  |
| **Laboratory tests** |  |  |  |  |
|  India ink staining (%) | 46(46.5) | 41 (45.1) | 5 (62.5) | 0.563  |
| **Outcome**  |  |  |  |  |
|  Survival (%) | 65(65.7) | 62(68.1) | 3(37.5) | 0.174  |
| **Mortality (hospitalization to death) (%)** |  |  |  |  |
|  30 d-mortality  | 27(27.3) | 25 (27.5) | 2 (25.0) | 1.000  |
|  90 d-mortality  | 31(31.3) | 27 (29.7) | 4 (50.0) | 0.429  |
|  1 year-mortality  | 34(34.3) | 29 (31.9) | 5 (62.5) | 0.174  |
| **Not received treatment due to death within 3 days of admission (%)** | 12(12.1) | 10 (11.0) | 2 (25.0) | 0.549  |

**Notes**: CKD: Chronic kidney disease; SLE: systemic lupus erythematosus.