Additional file 1: Table S1. Antibiotic resistance pattern of *E. coli* clinical isolates in terms of sample types and hospitals

|  |  |  |
| --- | --- | --- |
| Samples | Hospitals (No. of isolates) | **No. (%) of isolates collected from different samples with different antibiotic resistance patterns against** |
| Amikacin | Gentamicin | Imipenem | Meropenem | Tobramycin | Ceftazidime | Cefepime | Cefalexin | Ciprofloxacin | Nalidixic acid | Nitrofurantoin | Ampicillin |
| Wound(n=50) | B(6) | - | 1 (16.7) | 1 (16.7) | 1 (16.7) | 1 (16.7) | 1 (16.7) | 1 (16.7) | 4 (66.7) | 1 (16.7) | 1 (16.7) | 2 (33.3) | 4 (66.7) |
| Z(44) | 12 (27.3) | 16 (36.4) | 24 (54.5) | 25 (56.8) | 23 (52.3) | 20 (45.5) | 32 (72.7) | 35 (79.5) | 38 (86.4) | 17 (38.6) | 28 (63.6) | 42 (95.5) |
| Urine(n=875) | B (834) | 14 (1.7) | 39 (4.7) | 36 (4.3) | 46 (5.5) | 36 (4.3) | 122 (14.6) | 95 (11.4) | 322 (38.6) | 106 (12.7) | 224 (26.9) | 80 (9.6) | 516 (61.9) |
| Z (41) | 9 (22) | 12 (29.3) | 18 (43.9) | 18 (43.9) | 18 (43.9) | 19 (46.3) | 18 (43.9) | 21 (51.2) | 24 (58.5) | 16 (39) | 17 (41.5) | 28 (68.3) |
| Sputum(n=6**)** | B (4) | - | 1 (25) | - | - | - | 2 (50) | 3 (75) | 4 (100) | 3 (75) | 1 (25) | - | 4 (100) |
| Z (2) | - | 1 (50) | - | 1 (50) | - | - | 1 (50) | 1 (50) | 1 (50) | - | - | 1 (50) |
| Secretions (trachea and semen)(n=2) | B (1) | - | - | 1 (100) | 1 (100) | 1 (100) | 1 (100) | 1 (100) | 1 (100) | 1 (100) | 1 (100) | 1 (100) | 1 (100) |
| Z (1) | - | - | 1 (100) | 1 (100) | 1 (100) | 1 (100) | 1 (100) | 1 (100) | 1 (100) | 1 (100) | 1 (100) | 1 (100) |
| Blood(n=7) | B (4) | 1 (25) | 2 (50) | 2 (50) | 2 (50) | 2 (50) | 2 (50) | 2 (50) | 2 (50) | 2 (50) | 1 (25) | 1 (25) | 4 (100) |
| Z (3) | 1 (33.3) | 1 (33.3) | 2 (66.7) | 2 (66.7) | 2 (66.7) | 2 (66.7) | 1 (33.3) | 1 (33.3) | 3 (100) | - | 2 (66.7) | 3 (100) |
| Stool(n=24) | B (21) | - | 1 (4.8) | 1 (4.8) | 2 (9.5) | 1 (4.8) | 4 (19) | 3 (14.3) | 8 (38.1) | 3 (14.3) | 5 (23.8) | 5 (23.8) | 15 (71.4) |
| Z (3) | 2 (66.7) | 1 (33.3) | - | - | - | 2 (66.7) | 1 (33.3) | 1 (33.3) | 1 (33.3) | 1 (33.3) | - | 2 (66.7) |
| Total (n=964) | 39 (4) | 75 (7.8) | 86 (8.9) | 99 (10.3) | 85 (8.8) | 175 (18.2) | 158 (16.4) | 402 (41.7) | 194 (20.1) | 267 (27.7) | 136 (14.1) | 621 (64.4) |

Notes: B, Bu-Ali Sina hospital; Z, Zare hospital; T, total.