**Table 3. Meta-analysis assessing the cure rate in paediatric febrile UTI clinical trials by subgroup**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Variable** | **Proportion (RE model)** | **Lower 95% CI** | **Upper 95% CI** | **I2 (%)** | **P value** | **Number of arms assessed** |
| **Average** | 95.31 | 93.51 | 96.87 | 70.74 | 5.23E-16 | 47 |
|  Cephalosporins | 93.78 | 91.13 | 96.04 | 70.88 | 6.23E-09 | 23 |
|  Aminoglycosides | 99.62 | 98.39 | 100 | 0 | 0.743033 | 10 |
|  Penicillin | 98.27 | 94.58 | 100 | 53.29 | 0.081091 | 5 |
|  Sulfonamide | 88.4 | 78.45 | 95.75 | 62.73 | 0.071478 | 3 |
|  Aminoglycosides+Penicillin | 80 | 63.53 | 92.69 | 0 | 1 | 1 |
|  Aminoglycosides+Cephalosporin | 98.18 | 95.12 | 99.91 | 0 | 0.530762 | 3 |
|  Unspecified | 92.6 | 71.12 | 100 | 84.93 | 0.009986 | 2 |
| **Clinical cure** | 94.78 | 92.64 | 96.63 | 61.61 | 1.06E-05 | 30 |
|  Cephalosporins | 93.99 | 92.07 | 95.68 | 29.95 | 0.098301 | 19 |
|  Aminoglycosides | 100 | 98.96 | 100 | 0.07 | 0.379945 | 4 |
|  Penicillin | 99.71 | 95.81 | 100 | 0 | 0.318869 | 2 |
|  Sulfonamide | 90.33 | 73.05 | 99.6 | 82.73 | 0.016117 | 2 |
|  Aminoglycosides+Penicillin | 80 | 63.53 | 92.69 | 0 | 1 | 1 |
|  Aminoglycosides+Cephalosporin | NA | NA | NA | NA | NA | 0 |
|  Unspecified | 97.15 | 91.84 | 99.95 | 0 | 0.396146 | 2 |
| **Microbiological cure** | 96.29 | 94.7 | 97.64 | 67.94 | 1.33E-12 | 47 |
|  Cephalosporins | 95.07 | 92.44 | 97.23 | 75.04 | 1.03E-10 | 23 |
|  Aminoglycosides | 99.62 | 98.39 | 100 | 0 | 0.743033 | 10 |
|  Penicillin | 98.27 | 94.58 | 100 | 53.29 | 0.081091 | 5 |
|  Sulfonamide | 94.83 | 90.77 | 97.89 | 0.11 | 0.330007 | 3 |
|  Aminoglycosides+Penicillin | 80 | 63.53 | 92.69 | 0 | 1 | 1 |
|  Aminoglycosides+Cephalosporin | 98.18 | 95.12 | 99.91 | 0 | 0.530762 | 3 |
|  Unspecified | 92.6 | 71.12 | 100 | 84.93 | 0.009986 | 2 |
| **End Of Treatment (EOT)/ Test Of Cure (TOC)** | 94.79 | 92.7 | 96.6 | 64.93 | 1.79E-08 | 37 |
|  Cephalosporins | 93.75 | 90.9 | 96.15 | 66.19 | 3.39E-05 | 19 |
|  Aminoglycosides | 99.7 | 97.41 | 100 | 0 | 0.605186 | 6 |
|  Penicillin | 97.16 | 92.55 | 99.83 | 27.52 | 0.317962 | 4 |
|  Sulfonamide | 90.1 | 73.24 | 99.43 | 80.94 | 0.022002 | 2 |
|  Aminoglycosides+Penicillin | 80 | 63.53 | 92.69 | 0 | 1 | 1 |
|  Aminoglycosides+Cephalosporin | 98.18 | 95.12 | 99.91 | 0 | 0.530762 | 3 |
|  Unspecified | 92.6 | 71.12 | 100 | 84.93 | 0.009986 | 2 |
| **On Antibiotic Therapy (OAT)** | 96.51 | 92.89 | 99.01 | 80.46 | 2.51E-06 | 10 |
|  Cephalosporins | 93.66 | 85.06 | 98.96 | 84.32 | 1.62E-05 | 4 |
|  Aminoglycosides | 98.82 | 97.01 | 99.9 | 0 | 0.586312 | 4 |
|  Penicillin | 99.46 | 97.71 | 100 | 0 | 1 | 1 |
|  Sulfonamide | 85.71 | 71.87 | 95.69 | 0 | 1 | 1 |
|  Aminoglycosides+Penicillin | NA | NA | NA | NA | NA | 0 |
|  Aminoglycosides+Cephalosporin | NA | NA | NA | NA | NA | 0 |
|  Unspecified | NA | NA | NA | NA | NA | 0 |