**Additional file 1**

Baseline characteristics for the all-patients groups for CAP and HAP (CE population)

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|  | **CAP patients** |
|  | **Ceftobiprole(n=231)****n (%)** | **Ceftriaxone ± linezolid(n=238)****n (%)** |
| Male | 135 (58.4) | 139 (58.4) |
| Age ≥65 years | 90 (39.0) | 97 (40.8) |
| Sepsis | 123 (53.2) | 135 (56.7) |
| Pre-study antibiotics within 24 hours | 120 (51.9) | 137 (57.6) |
| Valid pathogen at baseline | 68 (29.4) | 76 (31.9) |
| Patients with linezolid usea | 23 (10.0) | 34 (14.3) |
|  | **HAP (excluding VAP) patients** |
|  | **Ceftobiprole****(n=198)****n (%)** | **Ceftazidime plus linezolid** **(n=185)****n (%)** |
| Male | 139 (70.2) | 112 (60.5) |
| Age ≥65 years | 111 (56.1) | 97 (52.4) |
| Sepsis | 146 (73.7) | 147 (79.5) |
| APACHE score ≥15 | 67 (33.8) | 59 (31.9) |
| Ventilation at baseline | 22 (11.1) | 24 (13.0) |
| Pre-study antibiotics within 24 hours | 112 (56.6) | 103 (55.7) |
| Valid pathogen at baseline | 117 (59.1) | 120 (64.9) |
| Anti-pseudomonal antibioticsb | 27 (13.6) | 19 (10.3) |

aCAP patients suspected of MRSA infection received add-on linezolid if randomised to ceftriaxone; if randomised to ceftobiprole, they received add-on placebo instead of linezolid.

bEmpirical treatment with antibiotic therapy was added to the study treatment for 48 hours in patients with a suspected infection due to *Pseudomonas aeruginosa* or for 5–7 days in patients with proven infection due *to Pseudomonas aeruginosa*.
APACHE, Acute Physiology and Chronic Health Evaluation; CAP, community-acquired pneumonia; CE, clinically evaluable; HAP, hospital-acquired pneumonia; MRSA, methicillin-resistant *Staphylococcus aureus*; VAP, ventilator-associated pneumonia.