



Clinical trial results:

Efficacy, safety and impact on antimicrobial resistance of duration and dose of amoxicillin treatment for young children with Community-Acquired Pneumonia (CAP): a randomised controlled trial.

Summary

| | |
|--------------------------|----------------|
| EudraCT number | 2016-000809-36 |
| Trial protocol | GB IE |
| Global end of trial date | 21 May 2019 |

Results information

| | |
|--------------------------------|--------------|
| Result version number | v1 (current) |
| This version publication date | 01 May 2020 |
| First version publication date | 01 May 2020 |

Trial information

Trial identification

| | |
|-----------------------|--------|
| Sponsor protocol code | CAP-IT |
|-----------------------|--------|

Additional study identifiers

| | |
|------------------------------------|----------------|
| ISRCTN number | ISRCTN76888927 |
| ClinicalTrials.gov id (NCT number) | - |
| WHO universal trial number (UTN) | - |

Notes:

Sponsors

| | |
|------------------------------|--|
| Sponsor organisation name | UCL |
| Sponsor organisation address | Gower St, London, United Kingdom, |
| Public contact | CAP-IT Trial Manager, Medical Research Council Clinical Trials Unit at UCL, 0044 02076704763, mrcctu.capit@ucl.ac.uk |
| Scientific contact | CAP-IT Trial Manager, Medical Research Council Clinical Trials Unit at UCL, 0044 02076704763, mrcctu.capit@ucl.ac.uk |

Notes:

Paediatric regulatory details

| | |
|--|----|
| Is trial part of an agreed paediatric investigation plan (PIP) | No |
| Does article 45 of REGULATION (EC) No 1901/2006 apply to this trial? | No |
| Does article 46 of REGULATION (EC) No 1901/2006 apply to this trial? | No |

Notes:

Results analysis stage

| | |
|--|-----------------|
| Analysis stage | Final |
| Date of interim/final analysis | 22 January 2020 |
| Is this the analysis of the primary completion data? | Yes |
| Primary completion date | 21 May 2019 |
| Global end of trial reached? | Yes |
| Global end of trial date | 21 May 2019 |
| Was the trial ended prematurely? | No |

Notes:

General information about the trial

Main objective of the trial:

The principal objectives are to determine whether:

1. lower dose oral amoxicillin treatments is as effective as higher dose oral amoxicillin treatment for uncomplicated childhood pneumonia
2. shorter duration (3 days) amoxicillin treatment is as effective as longer duration (7 days) amoxicillin treatment for uncomplicated childhood pneumonia

CAP-IT is a 2x2 factorial trial. Main effects for the two randomisations (1. lower dose versus higher dose; 2. shorter duration versus longer duration) are estimated by collapsing across levels of the other randomisation group.

Protection of trial subjects:

Inclusion/exclusion criteria and follow-up visits were carefully chosen to minimise the risk to trial subjects. For example, children with severe underlying chronic disease with an increased risk of developing complicated pneumonia including sickle cell anaemia, primary or secondary immunodeficiency, chronic lung disease and cystic fibrosis were excluded from the trial.

Amoxicillin is a widely used licensed drug and adverse events caused by drug toxicity were known to be rare. Furthermore, the inclusion/exclusion criteria prevented patients with penicillin allergy or any other known contra-indications to amoxicillin from entering the trial.

Patients were monitored closely and a review of clinical signs and symptoms were performed at each face-to-face visit and if they were unwell or showed signs of pneumonia they would be seen by a doctor.

Background therapy:

N/A

Evidence for comparator:

N/A

| | |
|---|------------------|
| Actual start date of recruitment | 01 February 2017 |
| Long term follow-up planned | No |
| Independent data monitoring committee (IDMC) involvement? | Yes |

Notes:

Population of trial subjects

Subjects enrolled per country

| | |
|--------------------------------------|---------------------|
| Country: Number of subjects enrolled | United Kingdom: 820 |
| Country: Number of subjects enrolled | Ireland: 4 |
| Worldwide total number of subjects | 824 |
| EEA total number of subjects | 824 |

Notes:

Subjects enrolled per age group

| | |
|---|-----|
| In utero | 0 |
| Preterm newborn - gestational age < 37 wk | 0 |
| Newborns (0-27 days) | 0 |
| Infants and toddlers (28 days-23 months) | 307 |
| Children (2-11 years) | 517 |
| Adolescents (12-17 years) | 0 |
| Adults (18-64 years) | 0 |
| From 65 to 84 years | 0 |
| 85 years and over | 0 |

Subject disposition

Recruitment

Recruitment details:

Participants were recruited from 01/02/2017 to 23/04/2019 across 29 sites, (28 in the UK and 1 in Ireland). They were enrolled by research nurses and paediatric teams from paediatric emergency departments and wards.

Pre-assignment

Screening details: -

Pre-assignment period milestones

| | |
|------------------------------|---------------------|
| Number of subjects started | 2642 ^[1] |
| Number of subjects completed | 824 |

Pre-assignment subject non-completion reasons

| | |
|----------------------------|---|
| Reason: Number of subjects | Eligible but parents did not want to participate: 665 |
| Reason: Number of subjects | Language barrier: 148 |
| Reason: Number of subjects | Failed additional WARD eligibility criteria: 671 |
| Reason: Number of subjects | Discharged on other than amoxicillin: 334 |

Notes:

[1] - The number of subjects reported to have started the pre-assignment period are not the same as the worldwide number enrolled in the trial. It is expected that these numbers will be the same.

Justification: The number of subjects reported to have started the pre-assignment period relates to the number screened for eligibility. Not all patients screened have been enrolled.

Period 1

| | |
|------------------------------|-----------------------------|
| Period 1 title | Main trial (overall period) |
| Is this the baseline period? | Yes |
| Allocation method | Randomised - controlled |
| Blinding used | Double blind |
| Roles blinded | Subject, Investigator |

Arms

| | |
|------------------------------|-----------------|
| Are arms mutually exclusive? | Yes |
| Arm title | Lower + shorter |

Arm description:

Lower dose (target dose 40mg/kg per day; range 35-50 mg/kg per day) oral amoxicillin treatment for 3 days

| | |
|--|--------------------------------|
| Arm type | Experimental |
| Investigational medicinal product name | Amoxicillin |
| Investigational medicinal product code | |
| Other name | |
| Pharmaceutical forms | Suspension for oral suspension |
| Routes of administration | Oral use |

Dosage and administration details:

35-50 mg/kg per day, according to a weight-banded dosing chart.
The total daily dose was administered as two daily doses, for 3 days

| | |
|-----------|----------------|
| Arm title | Lower + longer |
|-----------|----------------|

Arm description:

Lower dose (target dose 40mg/kg per day; range 35-50mg/kg per day) oral amoxicillin treatment for 7 days

| | |
|----------|--------------|
| Arm type | Experimental |
|----------|--------------|

| | |
|--|--------------------------------|
| Investigational medicinal product name | Amoxicillin |
| Investigational medicinal product code | |
| Other name | |
| Pharmaceutical forms | Suspension for oral suspension |
| Routes of administration | Oral use |

Dosage and administration details:

35-50 mg/kg per day, according to a weight-banded dosing chart.
The total daily dose was administered as two daily doses, for 7 days.

| | |
|------------------|------------------|
| Arm title | Higher + shorter |
|------------------|------------------|

Arm description:

Higher dose (target dose 80mg/kg per day; range 70-90mg/kg per day) oral amoxicillin treatment for 3 days.

| | |
|--|--------------------------------|
| Arm type | Experimental |
| Investigational medicinal product name | Amoxicillin |
| Investigational medicinal product code | |
| Other name | |
| Pharmaceutical forms | Suspension for oral suspension |
| Routes of administration | Oral use |

Dosage and administration details:

70-90 mg/kg per day, according to a weight-banded dosing chart.
The total daily dose was administered as two daily doses for 3 days.

| | |
|------------------|-----------------|
| Arm title | Higher + longer |
|------------------|-----------------|

Arm description:

Higher dose (target dose 80mg/kg per day; range 70-90mg/kg per day) oral amoxicillin treatment for 7 days.

| | |
|--|--------------------------------|
| Arm type | Experimental |
| Investigational medicinal product name | Amoxicillin |
| Investigational medicinal product code | |
| Other name | |
| Pharmaceutical forms | Suspension for oral suspension |
| Routes of administration | Oral use |

Dosage and administration details:

70-90 mg/kg per day, according to a weight-banded dosing chart.
The total daily dose was administered as two daily doses for 7 days.

| Number of subjects in period 1 | Lower + shorter | Lower + longer | Higher + shorter |
|---------------------------------------|-----------------|----------------|------------------|
| Started | 209 | 203 | 207 |
| Completed | 209 | 203 | 207 |

| Number of subjects in period 1 | Higher + longer |
|---------------------------------------|-----------------|
| Started | 205 |
| Completed | 205 |

Baseline characteristics

Reporting groups

| | |
|--|------------------|
| Reporting group title | Lower + shorter |
| Reporting group description: Lower dose (target dose 40mg/kg per day; range 35-50 mg/kg per day) oral amoxicillin treatment for 3 days | |
| Reporting group title | Lower + longer |
| Reporting group description: Lower dose (target dose 40mg/kg per day; range 35-50mg/kg per day) oral amoxicillin treatment for 7 days | |
| Reporting group title | Higher + shorter |
| Reporting group description: Higher dose (target dose 80mg/kg per day; range 70-90mg/kg per day) oral amoxicillin treatment for 3 days. | |
| Reporting group title | Higher + longer |
| Reporting group description: Higher dose (target dose 80mg/kg per day; range 70-90mg/kg per day) oral amoxicillin treatment for 7 days. | |

| Reporting group values | Lower + shorter | Lower + longer | Higher + shorter |
|--|-----------------|----------------|------------------|
| Number of subjects | 209 | 203 | 207 |
| Age categorical Units: Subjects | | | |
| In utero | 0 | 0 | 0 |
| Preterm newborn infants (gestational age < 37 wks) | 0 | 0 | 0 |
| Newborns (0-27 days) | 0 | 0 | 0 |
| Infants and toddlers (28 days-23 months) | 71 | 73 | 73 |
| Children (2-11 years) | 138 | 130 | 134 |
| Adolescents (12-17 years) | 0 | 0 | 0 |
| Adults (18-64 years) | 0 | 0 | 0 |
| From 65-84 years | 0 | 0 | 0 |
| 85 years and over | 0 | 0 | 0 |
| Gender categorical Units: Subjects | | | |
| Female | 98 | 102 | 100 |
| Male | 111 | 101 | 107 |
| Stratum Units: Subjects | | | |
| PED | 154 | 150 | 148 |
| WARD | 55 | 53 | 59 |

| Reporting group values | Higher + longer | Total | |
|--|-----------------|-------|--|
| Number of subjects | 205 | 824 | |
| Age categorical Units: Subjects | | | |
| In utero | 0 | 0 | |
| Preterm newborn infants (gestational age < 37 wks) | 0 | 0 | |

| | | | |
|--|-----|-----|--|
| Newborns (0-27 days) | 0 | 0 | |
| Infants and toddlers (28 days-23 months) | 90 | 307 | |
| Children (2-11 years) | 115 | 517 | |
| Adolescents (12-17 years) | 0 | 0 | |
| Adults (18-64 years) | 0 | 0 | |
| From 65-84 years | 0 | 0 | |
| 85 years and over | 0 | 0 | |
| Gender categorical | | | |
| Units: Subjects | | | |
| Female | 97 | 397 | |
| Male | 108 | 427 | |
| Stratum | | | |
| Units: Subjects | | | |
| PED | 147 | 599 | |
| WARD | 58 | 225 | |

Subject analysis sets

| | |
|---|-----------------------------|
| Subject analysis set title | Analysis population |
| Subject analysis set type | Modified intention-to-treat |
| Subject analysis set description: | |
| Excluding all randomised participants who did not receive any trial medication. | |

| Reporting group values | Analysis population | | |
|--|---------------------|--|--|
| Number of subjects | 814 | | |
| Age categorical | | | |
| Units: Subjects | | | |
| In utero | 0 | | |
| Preterm newborn infants (gestational age < 37 wks) | 0 | | |
| Newborns (0-27 days) | 0 | | |
| Infants and toddlers (28 days-23 months) | 305 | | |
| Children (2-11 years) | 509 | | |
| Adolescents (12-17 years) | 0 | | |
| Adults (18-64 years) | 0 | | |
| From 65-84 years | 0 | | |
| 85 years and over | 0 | | |
| Gender categorical | | | |
| Units: Subjects | | | |
| Female | 393 | | |
| Male | 421 | | |
| Stratum | | | |
| Units: Subjects | | | |
| PED | 591 | | |
| WARD | 223 | | |

End points

End points reporting groups

| | |
|--|-----------------------------|
| Reporting group title | Lower + shorter |
| Reporting group description: Lower dose (target dose 40mg/kg per day; range 35-50 mg/kg per day) oral amoxicillin treatment for 3 days | |
| Reporting group title | Lower + longer |
| Reporting group description: Lower dose (target dose 40mg/kg per day; range 35-50mg/kg per day) oral amoxicillin treatment for 7 days | |
| Reporting group title | Higher + shorter |
| Reporting group description: Higher dose (target dose 80mg/kg per day; range 70-90mg/kg per day) oral amoxicillin treatment for 3 days. | |
| Reporting group title | Higher + longer |
| Reporting group description: Higher dose (target dose 80mg/kg per day; range 70-90mg/kg per day) oral amoxicillin treatment for 7 days. | |
| Subject analysis set title | Analysis population |
| Subject analysis set type | Modified intention-to-treat |
| Subject analysis set description: Excluding all randomised participants who did not receive any trial medication. | |

Primary: Primary endpoint: any clinically indicated systemic antibacterial treatment prescribed for respiratory tract infection (including CAP) other than trial medication.

| | |
|---|---|
| End point title | Primary endpoint: any clinically indicated systemic antibacterial treatment prescribed for respiratory tract infection (including CAP) other than trial medication. |
| End point description: An Endpoint Review Committee (ERC), blinded to randomised allocations, will review all cases where the participant was prescribed non-trial systemic antibacterial treatment. The main role of the Committee is to adjudicate, based on all available data, whether the primary outcome was met. Clinical indication of non-trial systemic antibacterial treatment for respiratory tract infection will be classified as "definitely/probably", or "possibly" or "unlikely" or "too little information". Those categorised as "CAP" or "other respiratory tract infection" and the likelihood that non-trial medication was indicated is "definitely/probably" or "possibly" will be regarded as fulfilling the primary endpoint. | |
| End point type | Primary |
| End point timeframe: up to and at final follow-up 4 weeks after randomisation | |

| End point values | Lower + shorter | Lower + longer | Higher + shorter | Higher + longer |
|-------------------------------|--------------------|--------------------|--------------------|--------------------|
| Subject group type | Reporting group | Reporting group | Reporting group | Reporting group |
| Number of subjects analysed | 208 ^[1] | 202 ^[2] | 205 ^[3] | 199 ^[4] |
| Units: Subjects | | | | |
| Had primary endpoint | 25 | 26 | 26 | 23 |
| Did not have primary endpoint | 183 | 176 | 179 | 176 |

Notes:

[1] - Patients in analysis population

[2] - Patients in analysis population

[3] - Patients in analysis population

[4] - Patients in analysis population

| End point values | Analysis population | | | |
|-------------------------------|----------------------|--|--|--|
| Subject group type | Subject analysis set | | | |
| Number of subjects analysed | 814 ^[5] | | | |
| Units: Subjects | | | | |
| Had primary endpoint | 100 | | | |
| Did not have primary endpoint | 714 | | | |

Notes:

[5] - Patients in analysis population

Statistical analyses

| Statistical analysis title | Primary endpoint, dose randomisation, primary |
|---|---|
| Statistical analysis description: | |
| Primary analysis of the primary endpoint for the dose randomisation | |
| Comparison groups | Lower + shorter v Lower + longer v Higher + shorter v Higher + longer |
| Number of subjects included in analysis | 814 |
| Analysis specification | Pre-specified |
| Analysis type | non-inferiority ^[6] |
| Parameter estimate | Risk difference (RD) |
| Point estimate | 0.2 |
| Confidence interval | |
| level | 90 % |
| sides | 2-sided |
| lower limit | -3.7 |
| upper limit | 4 |

Notes:

[6] - 8% non-inferiority margin assessed against an upper 2-sided 90% CI: Lower dose is non-inferior to Higher dose

| Statistical analysis title | Primary endpoint, duration randomisation, primary |
|---|---|
| Comparison groups | Lower + shorter v Lower + longer v Higher + shorter v Higher + longer |
| Number of subjects included in analysis | 814 |
| Analysis specification | Pre-specified |
| Analysis type | non-inferiority ^[7] |
| Parameter estimate | Risk difference (RD) |
| Point estimate | 0.1 |
| Confidence interval | |
| level | 90 % |
| sides | 2-sided |
| lower limit | -3.8 |
| upper limit | 3.9 |

Notes:

[7] - 8% non-inferiority margin assessed against an upper 2-sided 90% CI: Shorter duration is non-inferior to Longer duration

Secondary: Secondary endpoint: adherence, early cessation of IMP

| | |
|-----------------|---|
| End point title | Secondary endpoint: adherence, early cessation of IMP |
|-----------------|---|

End point description:

Early cessation of trial treatment

| | |
|----------------|-----------|
| End point type | Secondary |
|----------------|-----------|

End point timeframe:

From trial entry to day 8.

| End point values | Lower + shorter | Lower + longer | Higher + shorter | Higher + longer |
|--|--------------------|--------------------|---------------------|---------------------|
| Subject group type | Reporting group | Reporting group | Reporting group | Reporting group |
| Number of subjects analysed | 208 ^[8] | 202 ^[9] | 205 ^[10] | 199 ^[11] |
| Units: subjects | | | | |
| Trial treatment completed | 173 | 182 | 185 | 181 |
| Early cessation for clinical improvement | 4 | 3 | 1 | 0 |
| Early cessation for clinical deterioration | 7 | 9 | 3 | 8 |
| Early cessation for other reason | 24 | 8 | 16 | 10 |

Notes:

[8] - Participants who took at least one dose of trial medication

[9] - Participants who took at least one dose of trial medication

[10] - Participants who took at least one dose of trial medication

[11] - Participants who took at least one dose of trial medication

Statistical analyses

No statistical analyses for this end point

Secondary: Secondary endpoint, cough

| | |
|-----------------|---------------------------|
| End point title | Secondary endpoint, cough |
|-----------------|---------------------------|

End point description:

| | |
|----------------|-----------|
| End point type | Secondary |
|----------------|-----------|

End point timeframe:

From trial entry until week 4.

| End point values | Lower + shorter | Lower + longer | Higher + shorter | Higher + longer |
|---------------------------------------|-----------------|-----------------|------------------|-----------------|
| Subject group type | Reporting group | Reporting group | Reporting group | Reporting group |
| Number of subjects analysed | 200 | 197 | 198 | 190 |
| Units: Subjects with cough resolution | | | | |
| Resolved | 144 | 151 | 141 | 148 |
| Not resolved | 56 | 46 | 57 | 42 |

Statistical analyses

| | |
|---|---|
| Statistical analysis title | Time to resolution of cough: dose randomisation |
| Comparison groups | Lower + shorter v Lower + longer v Higher + shorter v Higher + longer |
| Number of subjects included in analysis | 785 |
| Analysis specification | Pre-specified |
| Analysis type | superiority |
| P-value | = 0.807 |
| Method | Logrank |

| | |
|---|---|
| Statistical analysis title | Time to resolution of cough: duration randomisati |
| Comparison groups | Lower + shorter v Lower + longer v Higher + shorter v Higher + longer |
| Number of subjects included in analysis | 785 |
| Analysis specification | Pre-specified |
| Analysis type | superiority |
| P-value | = 0.04 ^[12] |
| Method | Logrank |

Notes:

[12] - Longer treatment was associated with a faster time to resolution than shorter treatment.

Secondary: Secondary endpoint, fever

| | |
|--------------------------------|---------------------------|
| End point title | Secondary endpoint, fever |
| End point description: | |
| End point type | Secondary |
| End point timeframe: | |
| From trial entry until week 4. | |

| End point values | Lower + shorter | Lower + longer | Higher + shorter | Higher + longer |
|---------------------------------------|-----------------|-----------------|------------------|-----------------|
| Subject group type | Reporting group | Reporting group | Reporting group | Reporting group |
| Number of subjects analysed | 168 | 159 | 162 | 159 |
| Units: Subjects with fever resolution | | | | |
| Resolved | 164 | 155 | 157 | 156 |
| Not resolved | 4 | 4 | 5 | 3 |

Statistical analyses

| | |
|---|---|
| Statistical analysis title | Time to resolution of fever: dose randomisation |
| Comparison groups | Lower + longer v Higher + shorter v Higher + longer v Lower + shorter |
| Number of subjects included in analysis | 648 |
| Analysis specification | Pre-specified |
| Analysis type | superiority |
| P-value | = 0.095 |
| Method | Logrank |

| | |
|---|---|
| Statistical analysis title | Time to resolution of fever: duration randomisatio |
| Comparison groups | Lower + shorter v Lower + longer v Higher + shorter v Higher + longer |
| Number of subjects included in analysis | 648 |
| Analysis specification | Pre-specified |
| Analysis type | superiority |
| P-value | = 0.31 |
| Method | Logrank |

Secondary: Secondary endpoint, phlegm

| | |
|--------------------------------|----------------------------|
| End point title | Secondary endpoint, phlegm |
| End point description: | |
| End point type | Secondary |
| End point timeframe: | |
| From trial entry until week 4. | |

| End point values | Lower + shorter | Lower + longer | Higher + shorter | Higher + longer |
|--|-----------------|-----------------|------------------|-----------------|
| Subject group type | Reporting group | Reporting group | Reporting group | Reporting group |
| Number of subjects analysed | 146 | 143 | 146 | 132 |
| Units: Participants with phlegm resolution | | | | |
| Resolved | 129 | 124 | 125 | 114 |
| Not resolved | 17 | 19 | 21 | 18 |

Statistical analyses

| | |
|---|---|
| Statistical analysis title | Time to resolution of phlegm: dose randomisation |
| Comparison groups | Lower + shorter v Lower + longer v Higher + shorter v Higher + longer |
| Number of subjects included in analysis | 567 |
| Analysis specification | Pre-specified |
| Analysis type | superiority |
| P-value | = 0.168 |
| Method | Logrank |

| | |
|---|---|
| Statistical analysis title | Time to resolution of phlegm: duration randomisati |
| Comparison groups | Lower + shorter v Lower + longer v Higher + shorter v Higher + longer |
| Number of subjects included in analysis | 567 |
| Analysis specification | Pre-specified |
| Analysis type | superiority |
| P-value | = 0.806 |
| Method | Logrank |

Secondary: Secondary endpoint, wheeze

| | |
|--------------------------------|----------------------------|
| End point title | Secondary endpoint, wheeze |
| End point description: | |
| End point type | Secondary |
| End point timeframe: | |
| From trial entry until week 4. | |

| End point values | Lower + shorter | Lower + longer | Higher + shorter | Higher + longer |
|--|-----------------|-----------------|------------------|-----------------|
| Subject group type | Reporting group | Reporting group | Reporting group | Reporting group |
| Number of subjects analysed | 117 | 97 | 102 | 105 |
| Units: Subjects with wheeze resolution | | | | |
| Resolved | 112 | 93 | 95 | 95 |
| Not resolved | 5 | 4 | 7 | 10 |

Statistical analyses

| | |
|---|---|
| Statistical analysis title | Time to resolution of wheeze: dose randomisation |
| Comparison groups | Lower + shorter v Lower + longer v Higher + shorter v Higher + longer |
| Number of subjects included in analysis | 421 |
| Analysis specification | Pre-specified |
| Analysis type | superiority |
| P-value | = 0.22 |
| Method | Logrank |

| | |
|---|---|
| Statistical analysis title | Time to resolution of wheeze: duration randomisati |
| Comparison groups | Lower + shorter v Lower + longer v Higher + shorter v Higher + longer |
| Number of subjects included in analysis | 421 |
| Analysis specification | Pre-specified |
| Analysis type | superiority |
| P-value | = 0.783 |
| Method | Logrank |

Secondary: Secondary endpoint, sleep disturbed by cough

| | |
|--------------------------------|--|
| End point title | Secondary endpoint, sleep disturbed by cough |
| End point description: | |
| End point type | Secondary |
| End point timeframe: | |
| From trial entry until week 4. | |

| End point values | Lower + shorter | Lower + longer | Higher + shorter | Higher + longer |
|---|-----------------|-----------------|------------------|-----------------|
| Subject group type | Reporting group | Reporting group | Reporting group | Reporting group |
| Number of subjects analysed | 178 | 173 | 174 | 163 |
| Units: Subjects with resolution of sleep distur | | | | |
| Resolved | 154 | 162 | 157 | 147 |
| Not resolved | 24 | 11 | 17 | 16 |

Statistical analyses

| | |
|---|---|
| Statistical analysis title | Time to resolution of sleep disturbance: dose rand |
| Comparison groups | Lower + shorter v Lower + longer v Higher + shorter v Higher + longer |
| Number of subjects included in analysis | 688 |
| Analysis specification | Pre-specified |
| Analysis type | superiority |
| P-value | = 0.127 |
| Method | Logrank |

| | |
|---|---|
| Statistical analysis title | Time to resolution of sleep disturbance: duration |
| Comparison groups | Lower + shorter v Lower + longer v Higher + shorter v Higher + longer |
| Number of subjects included in analysis | 688 |
| Analysis specification | Pre-specified |
| Analysis type | superiority |
| P-value | = 0.026 ^[13] |
| Method | Logrank |

Notes:

[13] - Longer treatment was associated with a faster time to resolution than shorter treatment.

Secondary: Secondary endpoint, vomiting

| | |
|--------------------------------|------------------------------|
| End point title | Secondary endpoint, vomiting |
| End point description: | |
| End point type | Secondary |
| End point timeframe: | |
| From trial entry until week 4. | |

| End point values | Lower + shorter | Lower + longer | Higher + shorter | Higher + longer |
|---|-----------------|-----------------|------------------|-----------------|
| Subject group type | Reporting group | Reporting group | Reporting group | Reporting group |
| Number of subjects analysed | 90 | 77 | 93 | 74 |
| Units: Subjects with resolution of vomiting | | | | |
| Resolved | 87 | 75 | 88 | 72 |
| Not resolved | 3 | 2 | 5 | 2 |

Statistical analyses

| | |
|---|---|
| Statistical analysis title | Time to resolution of vomiting: dose randomisation |
| Comparison groups | Lower + longer v Higher + shorter v Higher + longer v Lower + shorter |
| Number of subjects included in analysis | 334 |
| Analysis specification | Pre-specified |
| Analysis type | superiority |
| P-value | = 0.477 |
| Method | Logrank |

| | |
|---|---|
| Statistical analysis title | Time to resolution of vomiting: duration randomisa |
| Comparison groups | Lower + shorter v Lower + longer v Higher + shorter v Higher + longer |
| Number of subjects included in analysis | 334 |
| Analysis specification | Pre-specified |
| Analysis type | superiority |
| P-value | = 0.224 |
| Method | Logrank |

Secondary: Secondary endpoint, eating/drinking less

| | |
|--------------------------------|--|
| End point title | Secondary endpoint, eating/drinking less |
| End point description: | |
| End point type | Secondary |
| End point timeframe: | |
| From trial entry until week 4. | |

| End point values | Lower + shorter | Lower + longer | Higher + shorter | Higher + longer |
|---|-----------------|-----------------|------------------|-----------------|
| Subject group type | Reporting group | Reporting group | Reporting group | Reporting group |
| Number of subjects analysed | 182 | 176 | 188 | 174 |
| Units: Subjects with normal eating/drinking | | | | |
| Resolved | 166 | 165 | 170 | 158 |
| Not resolved | 16 | 11 | 18 | 16 |

Statistical analyses

| | |
|---|---|
| Statistical analysis title | Time to normal eating/drinking: dose randomisation |
| Comparison groups | Lower + shorter v Lower + longer v Higher + shorter v Higher + longer |
| Number of subjects included in analysis | 720 |
| Analysis specification | Pre-specified |
| Analysis type | superiority |
| P-value | = 0.647 |
| Method | Logrank |

| | |
|---|---|
| Statistical analysis title | Time to normal eating/drinking: duration randomisa |
| Comparison groups | Lower + shorter v Lower + longer v Higher + shorter v Higher + longer |
| Number of subjects included in analysis | 720 |
| Analysis specification | Pre-specified |
| Analysis type | superiority |
| P-value | = 0.132 |
| Method | Logrank |

Secondary: Secondary endpoint, normal activity

| | |
|--------------------------------|-------------------------------------|
| End point title | Secondary endpoint, normal activity |
| End point description: | |
| End point type | Secondary |
| End point timeframe: | |
| From trial entry until week 4. | |

| End point values | Lower + shorter | Lower + longer | Higher + shorter | Higher + longer |
|--------------------------------------|-----------------|-----------------|------------------|-----------------|
| Subject group type | Reporting group | Reporting group | Reporting group | Reporting group |
| Number of subjects analysed | 177 | 169 | 178 | 179 |
| Units: Subjects with normal activity | | | | |
| Resolved | 161 | 163 | 167 | 166 |
| Not resolved | 16 | 6 | 11 | 13 |

Statistical analyses

| | |
|---|---|
| Statistical analysis title | Time to normal activity: dose randomisation |
| Comparison groups | Lower + shorter v Lower + longer v Higher + shorter v Higher + longer |
| Number of subjects included in analysis | 703 |
| Analysis specification | Pre-specified |
| Analysis type | superiority |
| P-value | = 0.901 |
| Method | Logrank |

| | |
|---|---|
| Statistical analysis title | Time to normal activity: duration randomisation |
| Comparison groups | Lower + shorter v Lower + longer v Higher + shorter v Higher + longer |
| Number of subjects included in analysis | 703 |
| Analysis specification | Pre-specified |
| Analysis type | superiority |
| P-value | = 0.07 |
| Method | Logrank |

Secondary: Secondary endpoint, fast breathing

| | |
|--------------------------------|------------------------------------|
| End point title | Secondary endpoint, fast breathing |
| End point description: | |
| End point type | Secondary |
| End point timeframe: | |
| From trial entry until week 4. | |

| End point values | Lower + shorter | Lower + longer | Higher + shorter | Higher + longer |
|--|-----------------|-----------------|------------------|-----------------|
| Subject group type | Reporting group | Reporting group | Reporting group | Reporting group |
| Number of subjects analysed | 167 | 182 | 160 | 170 |
| Units: Subjects with fast breathing resolution | | | | |
| Resolved | 165 | 179 | 151 | 161 |
| Not resolved | 2 | 3 | 9 | 9 |

Statistical analyses

| | |
|---|---|
| Statistical analysis title | Time to resolution of fast breathing: dose r |
| Comparison groups | Lower + shorter v Lower + longer v Higher + shorter v Higher + longer |
| Number of subjects included in analysis | 679 |
| Analysis specification | Pre-specified |
| Analysis type | superiority |
| P-value | = 0.058 |
| Method | Logrank |

| | |
|---|---|
| Statistical analysis title | Time to resolution of fast breathing: duration r |
| Comparison groups | Lower + shorter v Lower + longer v Higher + shorter v Higher + longer |
| Number of subjects included in analysis | 679 |
| Analysis specification | Pre-specified |
| Analysis type | superiority |
| P-value | = 0.063 |
| Method | Logrank |

Adverse events

Adverse events information

Timeframe for reporting adverse events:

From trial entry to week 4.

| | |
|-----------------|----------------|
| Assessment type | Non-systematic |
|-----------------|----------------|

Dictionary used

| | |
|-----------------|--------|
| Dictionary name | MedDRA |
|-----------------|--------|

| | |
|--------------------|------|
| Dictionary version | 21.1 |
|--------------------|------|

Reporting groups

| | |
|-----------------------|-----------------|
| Reporting group title | Lower + shorter |
|-----------------------|-----------------|

Reporting group description:

Lower dose (target dose 40mg/kg per day; range 35-50 mg/kg per day) oral amoxicillin treatment for 3 days

| | |
|-----------------------|----------------|
| Reporting group title | Lower + longer |
|-----------------------|----------------|

Reporting group description:

Lower dose (target dose 40mg/kg per day; range 35-50mg/kg per day) oral amoxicillin treatment for 7 days

| | |
|-----------------------|------------------|
| Reporting group title | Higher + shorter |
|-----------------------|------------------|

Reporting group description:

Higher dose (target dose 80mg/kg per day; range 70-90mg/kg per day) oral amoxicillin treatment for 3 days.

| | |
|-----------------------|-----------------|
| Reporting group title | Higher + longer |
|-----------------------|-----------------|

Reporting group description:

Higher dose (target dose 80mg/kg per day; range 70-90mg/kg per day) oral amoxicillin treatment for 7 days.

| Serious adverse events | Lower + shorter | Lower + longer | Higher + shorter |
|---|------------------|-----------------|------------------|
| Total subjects affected by serious adverse events | | | |
| subjects affected / exposed | 14 / 208 (6.73%) | 9 / 202 (4.46%) | 11 / 205 (5.37%) |
| number of deaths (all causes) | 0 | 0 | 0 |
| number of deaths resulting from adverse events | 0 | 0 | 0 |
| Nervous system disorders | | | |
| Cerebellar Tumour | | | |
| subjects affected / exposed | 0 / 208 (0.00%) | 1 / 202 (0.50%) | 0 / 205 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Febrile seizure | | | |
| subjects affected / exposed | 1 / 208 (0.48%) | 0 / 202 (0.00%) | 0 / 205 (0.00%) |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Gastrointestinal disorders | | | |

| | | | |
|---|-----------------|-----------------|-----------------|
| Coffee ground vomiting | | | |
| subjects affected / exposed | 0 / 208 (0.00%) | 0 / 202 (0.00%) | 1 / 205 (0.49%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Epiplonic appendagitis | | | |
| subjects affected / exposed | 1 / 208 (0.48%) | 0 / 202 (0.00%) | 0 / 205 (0.00%) |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Salmonella Gastroenteritis | | | |
| subjects affected / exposed | 1 / 208 (0.48%) | 0 / 202 (0.00%) | 0 / 205 (0.00%) |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Vomiting | | | |
| subjects affected / exposed | 0 / 208 (0.00%) | 0 / 202 (0.00%) | 1 / 205 (0.49%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 1 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Respiratory, thoracic and mediastinal disorders | | | |
| Asthma | | | |
| subjects affected / exposed | 0 / 208 (0.00%) | 0 / 202 (0.00%) | 1 / 205 (0.49%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Bronchiolitis | | | |
| subjects affected / exposed | 2 / 208 (0.96%) | 0 / 202 (0.00%) | 0 / 205 (0.00%) |
| occurrences causally related to treatment / all | 0 / 2 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Influenza | | | |
| subjects affected / exposed | 1 / 208 (0.48%) | 0 / 202 (0.00%) | 0 / 205 (0.00%) |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Lower respiratory tract infection viral | | | |
| alternative assessment type: Systematic | | | |

| | | | |
|---|-----------------|-----------------|-----------------|
| subjects affected / exposed | 1 / 208 (0.48%) | 2 / 202 (0.99%) | 0 / 205 (0.00%) |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 2 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Pneumonia | | | |
| alternative assessment type: Systematic | | | |
| subjects affected / exposed | 2 / 208 (0.96%) | 3 / 202 (1.49%) | 0 / 205 (0.00%) |
| occurrences causally related to treatment / all | 0 / 2 | 0 / 3 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Respiratory Distress | | | |
| alternative assessment type: Systematic | | | |
| subjects affected / exposed | 5 / 208 (2.40%) | 2 / 202 (0.99%) | 7 / 205 (3.41%) |
| occurrences causally related to treatment / all | 0 / 5 | 0 / 2 | 0 / 7 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Skin and subcutaneous tissue disorders | | | |
| Cyanosis peripheral | | | |
| subjects affected / exposed | 0 / 208 (0.00%) | 1 / 202 (0.50%) | 0 / 205 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Herpes simplex oral | | | |
| subjects affected / exposed | 0 / 208 (0.00%) | 0 / 202 (0.00%) | 1 / 205 (0.49%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |

| | | | |
|---|-----------------|--|--|
| Serious adverse events | Higher + longer | | |
| Total subjects affected by serious adverse events | | | |
| subjects affected / exposed | 9 / 199 (4.52%) | | |
| number of deaths (all causes) | 0 | | |
| number of deaths resulting from adverse events | 0 | | |
| Nervous system disorders | | | |
| Cerebellar Tumour | | | |
| subjects affected / exposed | 0 / 199 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Febrile seizure | | | |

| | | | |
|--|-----------------|--|--|
| subjects affected / exposed | 0 / 199 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Gastrointestinal disorders | | | |
| Coffee ground vomiting | | | |
| subjects affected / exposed | 0 / 199 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Epiplonic appendagitis | | | |
| subjects affected / exposed | 0 / 199 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Salmonella Gastroenteritis | | | |
| subjects affected / exposed | 0 / 199 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Vomiting | | | |
| subjects affected / exposed | 0 / 199 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Respiratory, thoracic and mediastinal disorders | | | |
| Asthma | | | |
| subjects affected / exposed | 2 / 199 (1.01%) | | |
| occurrences causally related to treatment / all | 0 / 2 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Bronchiolitis | | | |
| subjects affected / exposed | 0 / 199 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Influenza | | | |
| subjects affected / exposed | 0 / 199 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |

| | | | |
|---|-----------------------------------|--|--|
| Lower respiratory tract infection viral alternative assessment type: Systematic subjects affected / exposed occurrences causally related to treatment / all deaths causally related to treatment / all | 5 / 199 (2.51%) 0 / 5 0 / 0 | | |
| Pneumonia alternative assessment type: Systematic subjects affected / exposed occurrences causally related to treatment / all deaths causally related to treatment / all | 0 / 199 (0.00%) 0 / 0 0 / 0 | | |
| Respiratory Distress alternative assessment type: Systematic subjects affected / exposed occurrences causally related to treatment / all deaths causally related to treatment / all | 2 / 199 (1.01%) 0 / 2 0 / 0 | | |
| Skin and subcutaneous tissue disorders Cyanosis peripheral subjects affected / exposed occurrences causally related to treatment / all deaths causally related to treatment / all | 0 / 199 (0.00%) 0 / 0 0 / 0 | | |
| Herpes simplex oral subjects affected / exposed occurrences causally related to treatment / all deaths causally related to treatment / all | 0 / 199 (0.00%) 0 / 0 0 / 0 | | |

Frequency threshold for reporting non-serious adverse events: 0 %

| Non-serious adverse events | Lower + shorter | Lower + longer | Higher + shorter |
|--|--|-------------------|-------------------|
| Total subjects affected by non-serious adverse events subjects affected / exposed | 75 / 208 (36.06%) | 61 / 202 (30.20%) | 70 / 205 (34.15%) |
| Gastrointestinal disorders Diarrhoea alternative dictionary used: Parent reported n/a alternative assessment type: Systematic | Additional description: New Diarrhoea after baseline or worse than at baseline | | |

| | | | |
|--|--|-------------------|-------------------|
| subjects affected / exposed | 56 / 208 (26.92%) | 42 / 202 (20.79%) | 52 / 205 (25.37%) |
| occurrences (all) | 56 | 42 | 52 |
| Skin and subcutaneous tissue disorders | | | |
| Skin rash | Additional description: New Skin rash after baseline or worse than at baseline | | |
| alternative dictionary used: Parent reported n/a | | | |
| alternative assessment type: Systematic | | | |
| subjects affected / exposed | 25 / 208 (12.02%) | 28 / 202 (13.86%) | 25 / 205 (12.20%) |
| occurrences (all) | 25 | 28 | 25 |
| Infections and infestations | | | |
| Thrush | Additional description: New Oral thrush after baseline or worse than at baseline | | |
| alternative dictionary used: Parent reported n/a | | | |
| alternative assessment type: Systematic | | | |
| subjects affected / exposed | 7 / 208 (3.37%) | 9 / 202 (4.46%) | 7 / 205 (3.41%) |
| occurrences (all) | 7 | 9 | 7 |

| | | | |
|---|--|--|--|
| Non-serious adverse events | Higher + longer | | |
| Total subjects affected by non-serious adverse events | | | |
| subjects affected / exposed | 71 / 199 (35.68%) | | |
| Gastrointestinal disorders | | | |
| Diarrhoea | Additional description: New Diarrhoea after baseline or worse than at baseline | | |
| alternative dictionary used: Parent reported n/a | | | |
| alternative assessment type: Systematic | | | |
| subjects affected / exposed | 50 / 199 (25.13%) | | |
| occurrences (all) | 50 | | |
| Skin and subcutaneous tissue disorders | | | |
| Skin rash | Additional description: New Skin rash after baseline or worse than at baseline | | |
| alternative dictionary used: Parent reported n/a | | | |
| alternative assessment type: Systematic | | | |
| subjects affected / exposed | 34 / 199 (17.09%) | | |
| occurrences (all) | 34 | | |
| Infections and infestations | | | |
| Thrush | Additional description: New Oral thrush after baseline or worse than at baseline | | |
| alternative dictionary used: Parent reported n/a | | | |
| alternative assessment type: Systematic | | | |
| subjects affected / exposed | 9 / 199 (4.52%) | | |
| occurrences (all) | 9 | | |

More information

Substantial protocol amendments (globally)

Were there any global substantial amendments to the protocol? Yes

| Date | Amendment |
|------------------|--|
| 12 August 2016 | <ul style="list-style-type: none"> • Correction to the higher amoxicillin dose from 70-120mg/kg to 70-90mg/kg • Trial Assessment Schedule: <ul style="list-style-type: none"> o Inclusion of an additional phone call at day 4. o Clarification regarding the physical exam at the final visit o Change to duration of the symptom diary • Section 3 - clarifications and changes to the inclusion and exclusion criteria. • Section 6.1.2 – clarification on procedures for face to face visits • Section 6.2.1 – additional detail regarding the collection of nasopharyngeal swabs • Section 6.3.1 – additional detail regarding the collection of EDTA blood sample • Section 6.7.1 – additional information regarding storing parent/guardians email address and phone number and additional phone call at day 4. • Section 10.3 – addition of methodology sub-study. <p>Amendments to all PISs and consent forms, as below:</p> <ul style="list-style-type: none"> • Clarification regarding storage of contact details • Change in duration of symptom diary • Clarifications regarding sample collection and storage • Update to trial schedule • Addition of methodology sub-study • Clarification regarding storage of participant data <p>GP Letter, version 3.0 12Aug16</p> <ul style="list-style-type: none"> • Corrected higher dose of amoxicillin <p>CAP-IT Symptom Diary, version 2.0 12Aug16</p> <ul style="list-style-type: none"> • Change in duration of symptom diary • Updated schedule • Change to severity categories for symptoms • Change to wellbeing scale <p>CAP-IT Wellbeing Questionnaire (EQ-5D-Y), version 2.0 12Aug16</p> <ul style="list-style-type: none"> • Correction of typo on visit label <p>CAP-IT Study Medicine Information Sheet for Parents, version 2.0 12Aug16</p> <ul style="list-style-type: none"> • Change 'syrup' to 'medicine' throughout <p>Addition of 15 new sites and change of PI to one site.</p> <p>Updated IMP details</p> |
| 20 December 2016 | <p>Updated child trial diary - Minor formatting changes.</p> <p>New Trial Patient-parent card - To be given to parents/guardians of the CAP-IT participants at the time of study enrolment</p> |

| | |
|-------------------|---|
| 01 September 2017 | <p>New wording: Previous PED and WARD specific patient information sheet, summary information sheet and consent forms have been merged together into CAP-IT patient information sheet, summary information sheet and consent form. These will replace the PED and WARD specific documents. Patients from both groups will be now consented using the same CAP-IT information sheets.</p> <p>CAP-IT Protocol, Version 3.0 30Aug2017:</p> <ul style="list-style-type: none"> • Throughout - minor typographical corrections and amendments for consistency and clarity. • Throughout - version and date updated to v3.0, 30-Aug-2017. • Throughout – addition of CTA number “17141803” • Page iii-iv – trial contact details updated • Trial assessment schedule updated: <ul style="list-style-type: none"> - Addition of blood sample sub-study in PED group. - Addition of optional medical history, physical examination, symptom review, nasopharyngeal swab, saliva sample, haematology, biochemistry, virology, chest x-ray and stool sample taken at pre-randomisation in WARD group. - Nasopharyngeal and saliva samples added to randomisation (d1) for WARD group • Section 1 - background re-ordered and partially re-worded in parts for clarity and reference to recent literature added. In addition, previously unavailable results from CAP-IT feasibility work (service evaluation) have been included. • Section 3 – clarifications and changes to the inclusion and exclusion criteria • Section 3/9.6 – change of pilot timeframe from initial 6 months of the study to 3 months during the first winter of recruitment • Section 5.6.1 – additional instruction added for cases of tolerability issues. <p>Section 6.2.1 - The nasopharyngeal sample for WARD patients will be collected at randomisation to ensure availability of a baseline sample for comparison with the final sample. An optional additional sample may be taken prior to antibiotic treatment at admission.</p> <p>Appendices updated Updated IMP details</p> |
| 01 September 2017 | <p>Addition of CAP-IT information poster to be displayed in A&E departments targeted towards parents of potential CAP-IT participants to give a brief overview of the research.</p> |
| 02 March 2018 | <p>The IMP dossier for the placebo used in the CAP-IT study has been updated with i) a broader release specification for viscosity, ii) up to date stability data. In the IMPD placebo version 1, the release specification for viscosity is 150-400mPa. In version 3.0, this has been widened to 150-550mPa. The broadening of the release specification is supported by a declaration from the manufacturer of the placebo, which contains data confirming that the difference in viscosity in the range of 239 to 556mPa*s are not visibly distinguishable and therefore should not affect IMP blinding. Based on our overall assessment, the broadening of the viscosity specification will allow shelf life extension of the placebo according to ICH guideline (i.e. maximum of 12 months extrapolation from last analysed time-point) without comprising the safety or integrity of the clinical trial.</p> |

| | |
|------------------|--|
| 21 June 2018 | <p>As part of the written informed consent for the CAP-IT study, parents/ guardians give consent for their child's GP to provide information on any antibiotic prescriptions given during the planned 29 day duration of the study for that patient. Where a participant is lost to follow up, information on antibiotic prescriptions during this period will be elicited through contact with the participant's GP.</p> <p>In the case of a parent/guardian decision to withdraw from the study, parent/guardians will be asked whether they consent to further data collection through hospital notes and NHS records. If consent is given, information on antibiotic prescriptions during the planned 29 day duration of the study for that patient will be elicited through contact with the participant's GP.</p> <p>A template GP letter and form has been designed for use by sites to collect this data and approval is requested for this.</p> <p>In addition, several new investigator sites are being added to the protocol and a change of PI at a current site has occurred.</p> |
| 07 December 2018 | <p>Summary of changes to protocol:</p> <ul style="list-style-type: none"> •Statistical changes: Joint analysis of the PED & WARD groups, change to the primary endpoint definition, change to the non-inferiority margin (4-8%) and a consequent reduction in sample size from 2400 to 800 children. •Addition of an Endpoint Review Committee (ERC). •Addition of a procedure for collecting primary endpoint data from primary care for patients who are lost to follow-up or withdrawn. •Modification of the WARD criteria to allow outpatient systemic antibacterial treatment prior to presentation as long as total treatment is <48 hours before randomisation. •Removal of saliva sample collection information as this has been stopped. <p>Summary of changes to the PIS and summary PIS:</p> <ul style="list-style-type: none"> •Removal of reference to the saliva samples, which are no longer being collected •Additional information about the stool sub-study •Additional and modified wording of section relating to patient data <p>Summary of changes to the symptom diary:</p> <ul style="list-style-type: none"> •Removal of reference to the Wellbeing Questionnaire as this is performed as part of telephone follow-up calls |

Notes:

Interruptions (globally)

Were there any global interruptions to the trial? No

Limitations and caveats

Limitations of the trial such as small numbers of subjects analysed or technical problems leading to unreliable data.

Final results on phenotypic resistance to penicillin not available yet

Notes: