



Clinical trial results:

A Phase III Open, Randomized, Parallel, Multi-Center Study in Children Aged 6 - <36 Months to Compare the Immunogenicity and Safety of a Single 0.5 mL Dose of Inflexal V With a 0.25 mL 2-Dose Regimen of Inflexal V Administered According to a 0/4 Week Schedule and Followed-up for 6 Months

Summary

| | |
|--------------------------|----------------|
| EudraCT number | 2010-019745-25 |
| Trial protocol | IT |
| Global end of trial date | 29 July 2011 |

Results information

| | |
|--------------------------------|--|
| Result version number | v2 (current) |
| This version publication date | 23 June 2016 |
| First version publication date | 08 July 2015 |
| Version creation reason | <ul style="list-style-type: none">• Correction of full data setReview of data |

Trial information

Trial identification

| | |
|-----------------------|------------|
| Sponsor protocol code | INF-V-A005 |
|-----------------------|------------|

Additional study identifiers

| | |
|------------------------------------|-------------|
| ISRCTN number | - |
| ClinicalTrials.gov id (NCT number) | NCT01229397 |
| WHO universal trial number (UTN) | - |

Notes:

Sponsors

| | |
|------------------------------|--|
| Sponsor organisation name | Crucell Switzerland AG |
| Sponsor organisation address | Rehhagstrasse 79, Bern, Switzerland, 3018 |
| Public contact | Crucell Switzerland AG, Clinical Registry Group, ClinicalTrialsEU@its.jnj.com |
| Scientific contact | Crucell Switzerland AG, Clinical Registry Group, ClinicalTrialsEU@its.jnj.com |

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? | Yes |

Notes:

Results analysis stage

| | |
|--|--------------|
| Analysis stage | Final |
| Date of interim/final analysis | 29 July 2011 |
| Is this the analysis of the primary completion data? | No |

| | |
|----------------------------------|--------------|
| Global end of trial reached? | Yes |
| Global end of trial date | 29 July 2011 |
| Was the trial ended prematurely? | No |

Notes:

General information about the trial

Main objective of the trial:

The purpose of this study was to evaluate the immunogenicity of a single full (0.5 milliliter [mL]) dose and a 0.25 mL 2-dose regime of Inflexal V in unprimed children aged 6 - less than (<) 36 months, using the European Medicines Agency (EMA)/Committee for Medicinal Products for Human Use (CHMP) guideline for the re-registration of the seasonal influenza vaccine in adults (aged greater than or equal to [\geq] 18 - less than or equal to [\leq] 60 years) as reference.

Protection of trial subjects:

The participants were observed closely for at least 30 minutes after vaccination with appropriate medical treatment readily available in case of rare anaphylactic reaction. Local solicited adverse events (30 min after vaccination) were evaluated by the investigator. Each participant's parents or legal guardians received a Participant Diary and were requested to record all adverse events (AEs) and body temperature on the day of vaccination and on the following 3 days. All AEs, including serious adverse events (SAEs), as well as concomitant medications were evaluated at each visit throughout the study. The parents or legal guardians were instructed to contact the investigator immediately should the participant experience any signs or symptoms they perceive as serious during the period extending from the first study-specific procedure up to and including 6 months after administration of the investigational medicinal product (IMP). The tolerability of the 2 dose regimens of the study vaccine was assessed by the participants' parents/legal guardians and by the investigator 4 weeks after completion of vaccination.

Background therapy: -

Evidence for comparator: -

| | |
|---|-----------------|
| Actual start date of recruitment | 06 October 2010 |
| Long term follow-up planned | No |
| Independent data monitoring committee (IDMC) involvement? | No |

Notes:

Population of trial subjects

Subjects enrolled per country

| | |
|--------------------------------------|------------|
| Country: Number of subjects enrolled | Italy: 205 |
| Worldwide total number of subjects | 205 |
| EEA total number of subjects | 205 |

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) | 85 |
| Children (2-11 years) | 120 |
| 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:

Recruitment period: 05 October - 17 January 2011; Location: University of Milan

Pre-assignment

Screening details:

A total of 205 participants were enrolled and vaccinated with Inflexal and included in the all randomized population set.

Period 1

| | |
|------------------------------|--------------------------------|
| Period 1 title | Overall Study (overall period) |
| Is this the baseline period? | Yes |
| Allocation method | Randomised - controlled |
| Blinding used | Not blinded |

Arms

| | |
|------------------------------|------------------------|
| Are arms mutually exclusive? | Yes |
| Arm title | Inflexal V 0.25 mL x 2 |

Arm description:

2 doses of Inflexal V influenza vaccine (surface antigen, inactivated, virosome) 2010/2011, 4 weeks apart, containing per 0.25 milliliter (mL) dose:

- 7.5 microgram (µg) HA antigen of A/California/7/2009 (H1N1)-like virus
- 7.5 µg HA antigen of A/Perth/16/2009 (H3N2)-like virus
- 7.5 µg HA antigen of B/Brisbane/60/2008-like virus

| | |
|--|--------------------------|
| Arm type | Active comparator |
| Investigational medicinal product name | INFLEXAL V |
| Investigational medicinal product code | |
| Other name | |
| Pharmaceutical forms | Suspension for injection |
| Routes of administration | Intramuscular use |

Dosage and administration details:

Inflexal V 0.25 milliliter (mL) intramuscular injection twice, 4 weeks apart

| | |
|------------------|-----------------------|
| Arm title | Inflexal V 0.5 mL x 1 |
|------------------|-----------------------|

Arm description:

1 dose of Inflexal V influenza vaccine (surface antigen, inactivated, virosome) 2010/2011, containing per 0.5 milliliter (mL) dose:

- 15 microgram (µg) HA antigen of A/California/7/2009 (H1N1)-like virus
- 15 µg HA antigen of A/Perth/16/2009 (H3N2)-like virus
- 15 µg HA antigen of B/Brisbane/60/2008-like virus

| | |
|--|--------------------------|
| Arm type | Experimental |
| Investigational medicinal product name | INFLEXAL V |
| Investigational medicinal product code | |
| Other name | |
| Pharmaceutical forms | Suspension for injection |
| Routes of administration | Intramuscular use |

Dosage and administration details:

Inflexal V 0.5 milliliter (mL) intramuscular injection once only

| Number of subjects in period 1 | Inflexal V 0.25 mL x 2 | Inflexal V 0.5 mL x 1 |
|---------------------------------------|------------------------|-----------------------|
| Started | 103 | 102 |
| Completed | 92 | 93 |
| Not completed | 11 | 9 |
| Consent withdrawn by subject | 3 | 3 |
| Migrated/moved from study area | 1 | - |
| Lost to follow-up | 7 | 6 |

Baseline characteristics

Reporting groups

| | |
|---|------------------------|
| Reporting group title | Inflexal V 0.25 mL x 2 |
| Reporting group description: 2 doses of Inflexal V influenza vaccine (surface antigen, inactivated, virosome) 2010/2011, 4 weeks apart, containing per 0.25 milliliter (mL) dose: <ul style="list-style-type: none">• 7.5 microgram (µg) HA antigen of A/California/7/2009 (H1N1)-like virus• 7.5 µg HA antigen of A/Perth/16/2009 (H3N2)-like virus• 7.5 µg HA antigen of B/Brisbane/60/2008-like virus | |
| Reporting group title | Inflexal V 0.5 mL x 1 |
| Reporting group description: 1 dose of Inflexal V influenza vaccine (surface antigen, inactivated, virosome) 2010/2011, containing per 0.5 milliliter (mL) dose: <ul style="list-style-type: none">• 15 microgram (µg) HA antigen of A/California/7/2009 (H1N1)-like virus• 15 µg HA antigen of A/Perth/16/2009 (H3N2)-like virus• 15 µg HA antigen of B/Brisbane/60/2008-like virus | |

| Reporting group values | Inflexal V 0.25 mL x 2 | Inflexal V 0.5 mL x 1 | Total |
|--|------------------------|-----------------------|-------|
| Number of subjects | 103 | 102 | 205 |
| 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) | 43 | 42 | 85 |
| Children (2-11 years) | 60 | 60 | 120 |
| 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 |
| Age continuous Units: years | | | |
| arithmetic mean | 1.8 | 1.8 | |
| standard deviation | ± 0.52 | ± 0.61 | - |
| Gender categorical Units: Subjects | | | |
| Female | 37 | 37 | 74 |
| Male | 66 | 65 | 131 |

Subject analysis sets

| | |
|---|--|
| Subject analysis set title | Inflexal V 0.25 mL x 2 - After 1st Vaccination |
| Subject analysis set type | Safety analysis |
| Subject analysis set description: Inflexal V influenza vaccine (surface antigen, inactivated, virosome) 2010/2011, 4 weeks apart, containing per 0.25 milliliter (mL) dose: <ul style="list-style-type: none">• 7.5 microgram (µg) HA antigen of A/California/7/2009 (H1N1)-like virus• 7.5 µg HA antigen of A/Perth/16/2009 (H3N2)-like virus• 7.5 µg HA antigen of B/Brisbane/60/2008-like virus | |

| | |
|----------------------------|--|
| Subject analysis set title | Inflexal V 0.25 mL x 2 - After 2nd Vaccination |
| Subject analysis set type | Safety analysis |

Subject analysis set description:

Inflexal V influenza vaccine (surface antigen, inactivated, virosome) 2010/2011, 4 weeks apart, containing per 0.25 milliliter (mL) dose:

- 7.5 microgram (µg) HA antigen of A/California/7/2009 (H1N1)-like virus
- 7.5 µg HA antigen of A/Perth/16/2009 (H3N2)-like virus
- 7.5 µg HA antigen of B/Brisbane/60/2008-like virus

| Reporting group values | Inflexal V 0.25 mL x 2 - After 1st Vaccination | Inflexal V 0.25 mL x 2 - After 2nd Vaccination | |
|--|--|--|--|
| Number of subjects | 102 | 101 | |
| 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) | 42 | 42 | |
| Children (2-11 years) | 60 | 59 | |
| Adolescents (12-17 years) | 0 | 0 | |
| Adults (18-64 years) | 0 | 0 | |
| From 65-84 years | 0 | 0 | |
| 85 years and over | 0 | 0 | |
| Age continuous | | | |
| Units: years | | | |
| arithmetic mean | | | |
| standard deviation | ± | ± | |
| Gender categorical | | | |
| Units: Subjects | | | |
| Female | | | |
| Male | | | |

End points

End points reporting groups

| | |
|---|--|
| Reporting group title | Inflexal V 0.25 mL x 2 |
| Reporting group description: 2 doses of Inflexal V influenza vaccine (surface antigen, inactivated, virosome) 2010/2011, 4 weeks apart, containing per 0.25 milliliter (mL) dose: <ul style="list-style-type: none">• 7.5 microgram (µg) HA antigen of A/California/7/2009 (H1N1)-like virus• 7.5 µg HA antigen of A/Perth/16/2009 (H3N2)-like virus• 7.5 µg HA antigen of B/Brisbane/60/2008-like virus | |
| Reporting group title | Inflexal V 0.5 mL x 1 |
| Reporting group description: 1 dose of Inflexal V influenza vaccine (surface antigen, inactivated, virosome) 2010/2011, containing per 0.5 milliliter (mL) dose: <ul style="list-style-type: none">• 15 microgram (µg) HA antigen of A/California/7/2009 (H1N1)-like virus• 15 µg HA antigen of A/Perth/16/2009 (H3N2)-like virus• 15 µg HA antigen of B/Brisbane/60/2008-like virus | |
| Subject analysis set title | Inflexal V 0.25 mL x 2 - After 1st Vaccination |
| Subject analysis set type | Safety analysis |
| Subject analysis set description: Inflexal V influenza vaccine (surface antigen, inactivated, virosome) 2010/2011, 4 weeks apart, containing per 0.25 milliliter (mL) dose: <ul style="list-style-type: none">• 7.5 microgram (µg) HA antigen of A/California/7/2009 (H1N1)-like virus• 7.5 µg HA antigen of A/Perth/16/2009 (H3N2)-like virus• 7.5 µg HA antigen of B/Brisbane/60/2008-like virus | |
| Subject analysis set title | Inflexal V 0.25 mL x 2 - After 2nd Vaccination |
| Subject analysis set type | Safety analysis |
| Subject analysis set description: Inflexal V influenza vaccine (surface antigen, inactivated, virosome) 2010/2011, 4 weeks apart, containing per 0.25 milliliter (mL) dose: <ul style="list-style-type: none">• 7.5 microgram (µg) HA antigen of A/California/7/2009 (H1N1)-like virus• 7.5 µg HA antigen of A/Perth/16/2009 (H3N2)-like virus• 7.5 µg HA antigen of B/Brisbane/60/2008-like virus | |

Primary: Immunogenicity of a Single Full (0.5 mL) Dose and a 0.25 mL 2-dose Regimen of Inflexal V, Using the European Medicines Agency (EMA) Guideline for the Re-registration of the Seasonal Influenza Vaccine in Adults as Reference

| | |
|--|---|
| End point title | Immunogenicity of a Single Full (0.5 mL) Dose and a 0.25 mL 2-dose Regimen of Inflexal V, Using the European Medicines Agency (EMA) Guideline for the Re-registration of the Seasonal Influenza Vaccine in Adults as Reference ^[1] |
| End point description: Seroprotection rate. | |
| End point type | Primary |
| End point timeframe: This assesment was done for immunogenicity data collected at Day 29 after completion of designated vaccination regimen | |

Notes:

[1] - No statistical analyses have been specified for this primary end point. It is expected there is at least one statistical analysis for each primary end point.

Justification: Descriptive statistics were done, no inferential statistical analyses were performed.

| End point values | Inflexal V 0.25 mL x 2 | Inflexal V 0.5 mL x 1 | | |
|--|------------------------|-----------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 98 | 99 | | |
| Units: Participants | | | | |
| number (confidence interval 95%) | | | | |
| Percentage of participants seroprotected: A/H1N1 | 99 (94.4 to 100) | 98 (92.9 to 99.8) | | |
| Percentage of participants seroprotected: A/H3N2 | 99 (94.4 to 100) | 97 (91.4 to 99.4) | | |
| Percentage of participants seroprotected: B-strain | 92.9 (85.8 to 97.1) | 86.9 (78.6 to 92.8) | | |

Statistical analyses

No statistical analyses for this end point

Primary: Immunogenicity of a Single Full (0.5 mL) Dose and a 0.25 mL 2-dose Regimen of Inflexal V, Using the European Medicines Agency (EMA) Guideline for the Re-registration of the Seasonal Influenza Vaccine in Adults as Reference

| | |
|-----------------|---|
| End point title | Immunogenicity of a Single Full (0.5 mL) Dose and a 0.25 mL 2-dose Regimen of Inflexal V, Using the European Medicines Agency (EMA) Guideline for the Re-registration of the Seasonal Influenza Vaccine in Adults as Reference ^[2] |
|-----------------|---|

End point description:

Seroconversion rate.

| | |
|----------------|---------|
| End point type | Primary |
|----------------|---------|

End point timeframe:

This assesment was done for immunogenicity data collected at Day 29 after completion of designated vaccination regimen

Notes:

[2] - No statistical analyses have been specified for this primary end point. It is expected there is at least one statistical analysis for each primary end point.

Justification: Descriptive statistics were done, no inferential statistical analyses were performed.

| End point values | Inflexal V 0.25 mL x 2 | Inflexal V 0.5 mL x 1 | | |
|--|------------------------|-----------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 98 | 99 | | |
| Units: Participants | | | | |
| number (confidence interval 95%) | | | | |
| Percentage of participants seroconverted: A/H1N1 | 99 (94.4 to 100) | 98 (92.9 to 99.8) | | |
| Percentage of participants seroconverted: A/H3N2 | 99 (94.4 to 100) | 97 (91.4 to 99.4) | | |
| Percentage of participants seroconverted: B-strain | 92.9 (85.8 to 97.1) | 86.9 (78.6 to 92.8) | | |

Statistical analyses

No statistical analyses for this end point

Primary: Immunogenicity of a Single Full (0.5 mL) Dose and a 0.25 mL 2-dose Regimen of Inflexal V, Using the European Medicines Agency (EMA) Guideline for the Re-registration of the Seasonal Influenza Vaccine in Adults as Reference

| | |
|-----------------|---|
| End point title | Immunogenicity of a Single Full (0.5 mL) Dose and a 0.25 mL 2-dose Regimen of Inflexal V, Using the European Medicines Agency (EMA) Guideline for the Re-registration of the Seasonal Influenza Vaccine in Adults as Reference ^[3] |
|-----------------|---|

End point description:

GMT-fold increase - calculated as the GMT on Day 22 divided by the baseline GMT value.

| | |
|----------------|---------|
| End point type | Primary |
|----------------|---------|

End point timeframe:

This assesment was done for immunogenicity data collected at Day 29 after completion of designated vaccination regimen

Notes:

[3] - No statistical analyses have been specified for this primary end point. It is expected there is at least one statistical analysis for each primary end point.

Justification: Descriptive statistics were done, no inferential statistical analyses were performed.

| End point values | Inflexal V 0.25 mL x 2 | Inflexal V 0.5 mL x 1 | | |
|---|------------------------|-----------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 98 | 99 | | |
| Units: Participants | | | | |
| number (confidence interval 95%) | | | | |
| GMT fold increase from baseline: A/H1N1 | 25.5 (21.3 to 30.5) | 19.6 (16.9 to 22.7) | | |
| GMT fold increase from baseline: A/H3N2 | 31.6 (26.7 to 37.3) | 24.6 (20.7 to 29.3) | | |
| GMT fold increase from baseline: B-strain | 12.8 (11.2 to 14.6) | 14.7 (12.3 to 17.4) | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Percentage of Participants With Local and Systemic Adverse Events (AE) as a Measure of Safety and Tolerability

| | |
|-----------------|---|
| End point title | Percentage of Participants With Local and Systemic Adverse Events (AE) as a Measure of Safety and Tolerability ^[4] |
|-----------------|---|

End point description:

Solicited local and systemic AEs were collected from Day 1 (day of vaccination) to Day 4 inclusive using a subject diary.

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

End point timeframe:

Solicited local and systemic AEs were collected from Day 1 (day of vaccination) to Day 4 inclusive using a subject diary

Notes:

[4] - The end point is not reporting statistics for all the arms in the baseline period. It is expected all the baseline period arms will be reported on when providing values for an end point on the baseline period.

Justification: For this endpoint Inflexal V 0.5 mL x 1, Inflexal V 0.25mL x 2 - After 1st Vaccination, Inflexal V 0.25mL x 2 - After2nd Vaccination reporting groups were only analysed.

| End point values | Inflexal V 0.5 mL x 1 | Inflexal V 0.25 mL x 2 - After 1st Vaccination | Inflexal V 0.25 mL x 2 - After 2nd Vaccination | |
|-----------------------------------|--------------------------|--|---|--|
| Subject group type | Reporting group | Subject analysis set | Subject analysis set | |
| Number of subjects analysed | 100 | 102 | 101 | |
| Units: Percentage of participants | | | | |
| number (not applicable) | | | | |
| AEs (unsolicited and solicited) | 49 | 50 | 47.5 | |
| Unsolicited AEs | 30 | 28.4 | 31.7 | |
| Solicited local AEs | 17.2 | 22.4 | 17.2 | |
| Solicited systemic AEs | 20.2 | 16.3 | 17.2 | |

Statistical analyses

No statistical analyses for this end point

Adverse events

Adverse events information

Timeframe for reporting adverse events:

Any Adverse event (AE) occurring within 1 month (minimum 28 days) following vaccine administration was recorded. Any serious adverse events (SAE) occurring from study start up to 6 months (at least 180 days) following vaccine administration was recorded.

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

Dictionary used

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

| | |
|--------------------|------|
| Dictionary version | 13.1 |
|--------------------|------|

Reporting groups

| | |
|-----------------------|--|
| Reporting group title | Inflexal V 0.25 mL x 2 - After 1st Vaccination |
|-----------------------|--|

Reporting group description:

Inflexal V influenza vaccine (surface antigen, inactivated, virosome) 2010/2011, 4 weeks apart, containing per 0.25 milliliter (mL) dose:

- 7.5 microgram (µg) HA antigen of A/California/7/2009 (H1N1)-like virus
- 7.5 µg HA antigen of A/Perth/16/2009 (H3N2)-like virus
- 7.5 µg HA antigen of B/Brisbane/60/2008-like virus

| | |
|-----------------------|-----------------------|
| Reporting group title | Inflexal V 0.5 mL x 1 |
|-----------------------|-----------------------|

Reporting group description:

1 dose of Inflexal V influenza vaccine (surface antigen, inactivated, virosome) 2010/2011, containing per 0.5 milliliter (mL) dose:

- 15 microgram (µg) HA antigen of A/California/7/2009 (H1N1)-like virus
- 15 µg HA antigen of A/Perth/16/2009 (H3N2)-like virus
- 15 µg HA antigen of B/Brisbane/60/2008-like virus

| | |
|-----------------------|--|
| Reporting group title | Inflexal V 0.25 mL x 2 - After 2nd Vaccination |
|-----------------------|--|

Reporting group description:

Inflexal V influenza vaccine (surface antigen, inactivated, virosome) 2010/2011, 4 weeks apart, containing per 0.25 milliliter (mL) dose:

- 7.5 microgram (µg) HA antigen of A/California/7/2009 (H1N1)-like virus
- 7.5 µg HA antigen of A/Perth/16/2009 (H3N2)-like virus
- 7.5 µg HA antigen of B/Brisbane/60/2008-like virus

| Serious adverse events | Inflexal V 0.25 mL x 2 - After 1st Vaccination | Inflexal V 0.5 mL x 1 | Inflexal V 0.25 mL x 2 - After 2nd Vaccination |
|---|--|-----------------------|--|
| Total subjects affected by serious adverse events | | | |
| subjects affected / exposed | 1 / 102 (0.98%) | 4 / 100 (4.00%) | 0 / 101 (0.00%) |
| number of deaths (all causes) | 0 | 0 | 0 |
| number of deaths resulting from adverse events | 0 | 0 | 0 |
| Respiratory, thoracic and mediastinal disorders | | | |
| Asthma | | | |
| subjects affected / exposed | 1 / 102 (0.98%) | 1 / 100 (1.00%) | 0 / 101 (0.00%) |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 1 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Bronchopulmonary Disease | | | |

| | | | |
|---|-----------------|-----------------|-----------------|
| subjects affected / exposed | 0 / 102 (0.00%) | 1 / 100 (1.00%) | 0 / 101 (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 |
| Infections and infestations | | | |
| Pneumonia | | | |
| subjects affected / exposed | 0 / 102 (0.00%) | 1 / 100 (1.00%) | 0 / 101 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 1 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Bronchopneumonia | | | |
| subjects affected / exposed | 0 / 102 (0.00%) | 1 / 100 (1.00%) | 0 / 101 (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 |
| Gastroenteritis rotavirus | | | |
| subjects affected / exposed | 0 / 102 (0.00%) | 1 / 100 (1.00%) | 0 / 101 (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 |

Frequency threshold for reporting non-serious adverse events: 4 %

| Non-serious adverse events | Inflexal V 0.25 mL x 2 - After 1st Vaccination | Inflexal V 0.5 mL x 1 | Inflexal V 0.25 mL x 2 - After 2nd Vaccination |
|---|--|-----------------------|--|
| Total subjects affected by non-serious adverse events | | | |
| subjects affected / exposed | 51 / 102 (50.00%) | 49 / 100 (49.00%) | 48 / 101 (47.52%) |
| General disorders and administration site conditions | | | |
| Pyrexia unsolicited | | | |
| subjects affected / exposed | 11 / 102 (10.78%) | 9 / 100 (9.00%) | 10 / 101 (9.90%) |
| occurrences (all) | 11 | 9 | 13 |
| Erythema (at the injection site) | | | |
| subjects affected / exposed | 15 / 102 (14.71%) | 10 / 100 (10.00%) | 7 / 101 (6.93%) |
| occurrences (all) | 15 | 10 | 7 |
| Induration (at the injection site) | | | |
| subjects affected / exposed | 7 / 102 (6.86%) | 6 / 100 (6.00%) | 2 / 101 (1.98%) |
| occurrences (all) | 7 | 6 | 2 |
| Pain (at the injection site) | | | |

| | | | |
|--|-------------------------|-------------------------|-------------------------|
| subjects affected / exposed occurrences (all) | 11 / 102 (10.78%) 11 | 9 / 100 (9.00%) 9 | 10 / 101 (9.90%) 10 |
| Haemorrhage (at the injection site) subjects affected / exposed occurrences (all) | 3 / 102 (2.94%) 3 | 5 / 100 (5.00%) 5 | 4 / 101 (3.96%) 4 |
| Malaise subjects affected / exposed occurrences (all) | 9 / 102 (8.82%) 9 | 7 / 100 (7.00%) 7 | 8 / 101 (7.92%) 8 |
| Pyrexia solicited subjects affected / exposed occurrences (all) | 8 / 102 (7.84%) 8 | 15 / 100 (15.00%) 15 | 11 / 101 (10.89%) 11 |
| Respiratory, thoracic and mediastinal disorders Cough subjects affected / exposed occurrences (all) | 0 / 102 (0.00%) 0 | 3 / 100 (3.00%) 3 | 8 / 101 (7.92%) 8 |
| Infections and infestations Otitis media acute subjects affected / exposed occurrences (all) | 4 / 102 (3.92%) 4 | 5 / 100 (5.00%) 5 | 3 / 101 (2.97%) 3 |
| Rhinitis subjects affected / exposed occurrences (all) | 1 / 102 (0.98%) 1 | 2 / 100 (2.00%) 2 | 9 / 101 (8.91%) 10 |

More information

Substantial protocol amendments (globally)

Were there any global substantial amendments to the protocol? Yes

| Date | Amendment |
|------------------|--|
| 03 June 2010 | The overall reason for the amendment was to introduced a 6 month follow-up visit for the participants enrolled in the study, at which an additional blood sample for immunogenicity evaluation was taken. |
| 20 December 2010 | The overall reason for the amendment was to change the principal investigator. |
| 06 May 2011 | The overall reason for the amendment was to establish second interim analysis after immunogenicity data for the follow-up visit at Day 212 (plus [+] or minus [-] 7 days) had become available for at least 70 participants in each study arm. |

Notes:

Interruptions (globally)

Were there any global interruptions to the trial? No

Limitations and caveats

None reported