



Clinical trial results:

A randomized, double-blind study to assess the safety and efficacy of different dose levels of Pasireotide (SOM230) subcutaneous (sc) over a 6 month treatment period in patients with de novo, persistent or recurrent Cushing's disease

Due to EudraCT system limitations, which EMA is aware of, data using 999 as data points in this record are not an accurate representation of the clinical trial results. Please use <https://www.novctrd.com/CtrdWeb/home.novfor> complete trial results.

Summary

| | |
|--------------------------|----------------------------------|
| EudraCT number | 2006-004111-22 |
| Trial protocol | DK BE IT FI FR DE PT GR GB HU ES |
| Global end of trial date | 21 May 2014 |

Results information

| | |
|--------------------------------|--------------|
| Result version number | v1 (current) |
| This version publication date | 06 July 2018 |
| First version publication date | 06 July 2018 |

Trial information

Trial identification

| | |
|-----------------------|--------------|
| Sponsor protocol code | CSOM230B2305 |
|-----------------------|--------------|

Additional study identifiers

| | |
|------------------------------------|-------------|
| ISRCTN number | - |
| ClinicalTrials.gov id (NCT number) | NCT00434148 |
| WHO universal trial number (UTN) | - |

Notes:

Sponsors

| | |
|------------------------------|---|
| Sponsor organisation name | Novartis Pharma AG |
| Sponsor organisation address | CH-4002, Basel, Switzerland, |
| Public contact | Clinical Disclosure Office, Novartis Pharma AG, 41 613241111, |
| Scientific contact | Clinical Disclosure Office, Novartis Pharma AG, 41 613241111, |

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 | 21 May 2014 |
| Is this the analysis of the primary completion data? | No |
| Global end of trial reached? | Yes |
| Global end of trial date | 21 May 2014 |
| Was the trial ended prematurely? | No |

Notes:

General information about the trial

Main objective of the trial:

The main objective was to assess the efficacy of pasireotide in terms of response to pasireotide 600 µg sc bid and 900 µg sc bid independently in patients with Cushing's disease as measured by mUFC $\leq 1 \times$ ULN after 6 months of treatment and whose dose was not increased prior to Month 6.

Protection of trial subjects:

The study was in compliance with the ethical principles derived from the Declaration of Helsinki and the International Conference on Harmonization (ICH) Good Clinical Practice (GCP) guidelines. All the local regulatory requirements pertinent to safety of trial subjects were also followed during the conduct of the trial.

Background therapy: -

Evidence for comparator: -

| | |
|---|------------------|
| Actual start date of recruitment | 22 December 2006 |
| 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 | Spain: 3 |
| Country: Number of subjects enrolled | United States: 17 |
| Country: Number of subjects enrolled | Belgium: 8 |
| Country: Number of subjects enrolled | Poland: 4 |
| Country: Number of subjects enrolled | Argentina: 8 |
| Country: Number of subjects enrolled | Germany: 10 |
| Country: Number of subjects enrolled | Greece: 2 |
| Country: Number of subjects enrolled | Denmark: 2 |
| Country: Number of subjects enrolled | Finland: 1 |
| Country: Number of subjects enrolled | France: 11 |
| Country: Number of subjects enrolled | Canada: 8 |
| Country: Number of subjects enrolled | Italy: 31 |
| Country: Number of subjects enrolled | China: 20 |
| Country: Number of subjects enrolled | Turkey: 6 |
| Country: Number of subjects enrolled | Portugal: 2 |

| | |
|--------------------------------------|------------|
| Country: Number of subjects enrolled | Brazil: 20 |
| Country: Number of subjects enrolled | Israel: 4 |
| Country: Number of subjects enrolled | Mexico: 5 |
| Worldwide total number of subjects | 162 |
| EEA total number of subjects | 74 |

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) | 0 |
| Children (2-11 years) | 0 |
| Adolescents (12-17 years) | 0 |
| Adults (18-64 years) | 157 |
| From 65 to 84 years | 5 |
| 85 years and over | 0 |

Subject disposition

Recruitment

Recruitment details:

The actual enrollment number in the protocol section is 162. This number reflects the participants who were randomized and received at least one dose of drug.

Pre-assignment

Screening details:

A total of 165 participants were randomized, but 1 participant from the 600ug group and 2 participants from the 900ug group were not treated. Therefore, enrollment = 162. Participants who completed month 12 and did not enter the extension phase were not counted as discontinuations.

Period 1

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

Arms

| | |
|------------------------------|--------------------|
| Are arms mutually exclusive? | Yes |
| Arm title | Pasireotide 600 ug |

Arm description:

At randomization, participants received 600 ug subcutaneously (sc) twice daily (bid). Participants continued at this dose until month 6 if their month 3 mean urinary free cortisol (mUFC) was $\leq 2 \times$ the upper limit of normal (ULN) and the mUFC was below or equal to their baseline mUFC. Participants not meeting the mUFC criteria at month 3 were unblinded and required to increase their dose to 900ug bid on an open label basis. Participants had the option to continue in the extension phase as long as they did not meet any discontinuation criteria or until pasireotide was available commercially in their country.

| | |
|--|------------------------|
| Arm type | Experimental |
| Investigational medicinal product name | Pasireotide |
| Investigational medicinal product code | |
| Other name | |
| Pharmaceutical forms | Solution for injection |
| Routes of administration | Subcutaneous use |

Dosage and administration details:

600 ug subcutaneous (sc) twice daily (b.i.d.)

| | |
|------------------|--------------------|
| Arm title | Pasireotide 900 ug |
|------------------|--------------------|

Arm description:

At randomization, participants received 600 ug subcutaneously (sc) twice daily (bid). Participants continued at this dose until month 6 if their month 3 mean urinary free cortisol (mUFC) was $\leq 2 \times$ the upper limit of normal (ULN) and the mUFC was below or equal to their baseline mUFC. Participants not meeting the mUFC criteria at month 3 were unblinded and required to increase their dose to 1200 ug bid on an open label basis. Participants had the option to continue in the extension phase as long as they did not meet any discontinuation criteria or until pasireotide was available commercially in their country.

| | |
|--|------------------------|
| Arm type | Experimental |
| Investigational medicinal product name | Pasireotide |
| Investigational medicinal product code | |
| Other name | |
| Pharmaceutical forms | Solution for injection |
| Routes of administration | Subcutaneous use |

Dosage and administration details:

900 ug sc b.i.d.

| Number of subjects in period 1 | Pasireotide 600 ug | Pasireotide 900 ug |
|--|--------------------|--------------------|
| Started | 82 | 80 |
| Completed month 12 | 39 | 39 |
| Completed month 12; entered extension | 26 | 32 |
| Completed m. 12; did not enter extension | 13 | 7 |
| Completed | 13 | 7 |
| Not completed | 69 | 73 |
| Consent withdrawn by subject | 15 | 15 |
| Adverse event, non-fatal | 18 | 18 |
| Condition no longer requires study drug | 1 | - |
| Administrative problems | 6 | 10 |
| Lost to follow-up | - | 1 |
| Abnormal test procedure result | - | 1 |
| Lack of efficacy | 25 | 28 |
| Protocol deviation | 4 | - |

Baseline characteristics

Reporting groups

| | |
|-----------------------|--------------------|
| Reporting group title | Pasireotide 600 ug |
|-----------------------|--------------------|

Reporting group description:

At randomization, participants received 600 ug subcutaneously (sc) twice daily (bid). Participants continued at this dose until month 6 if their month 3 mean urinary free cortisol (mUFC) was $\leq 2 \times$ the upper limit of normal (ULN) and the mUFC was below or equal to their baseline mUFC. Participants not meeting the mUFC criteria at month 3 were unblinded and required to increase their dose to 900ug bid on an open label basis. Participants had the option to continue in the extension phase as long as they did not meet any discontinuation criteria or until pasireotide was available commercially in their country.

| | |
|-----------------------|--------------------|
| Reporting group title | Pasireotide 900 ug |
|-----------------------|--------------------|

Reporting group description:

At randomization, participants received 600 ug subcutaneously (sc) twice daily (bid). Participants continued at this dose until month 6 if their month 3 mean urinary free cortisol (mUFC) was $\leq 2 \times$ the upper limit of normal (ULN) and the mUFC was below or equal to their baseline mUFC. Participants not meeting the mUFC criteria at month 3 were unblinded and required to increase their dose to 1200 ug bid on an open label basis. Participants had the option to continue in the extension phase as long as they did not meet any discontinuation criteria or until pasireotide was available commercially in their country.

| Reporting group values | Pasireotide 600 ug | Pasireotide 900 ug | Total |
|--|--------------------|--------------------|-------|
| Number of subjects | 82 | 80 | 162 |
| 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) | 0 | 0 | 0 |
| Children (2-11 years) | 0 | 0 | 0 |
| Adolescents (12-17 years) | 0 | 0 | 0 |
| Adults (18-64 years) | 78 | 79 | 157 |
| From 65-84 years | 4 | 1 | 5 |
| 85 years and over | 0 | 0 | 0 |
| Age Continuous | | | |
| Units: years | | | |
| arithmetic mean | 40.5 | 39.9 | - |
| standard deviation | ± 12.97 | ± 10.77 | - |
| Gender, Male/Female | | | |
| Units: participants | | | |
| Female | 62 | 64 | 126 |
| Male | 20 | 16 | 36 |

End points

End points reporting groups

| | |
|-----------------------|--------------------|
| Reporting group title | Pasireotide 600 ug |
|-----------------------|--------------------|

Reporting group description:

At randomization, participants received 600 ug subcutaneously (sc) twice daily (bid). Participants continued at this dose until month 6 if their month 3 mean urinary free cortisol (mUFC) was $\leq 2 \times$ the upper limit of normal (ULN) and the mUFC was below or equal to their baseline mUFC. Participants not meeting the mUFC criteria at month 3 were unblinded and required to increase their dose to 900ug bid on an open label basis. Participants had the option to continue in the extension phase as long as they did not meet any discontinuation criteria or until pasireotide was available commercially in their country.

| | |
|-----------------------|--------------------|
| Reporting group title | Pasireotide 900 ug |
|-----------------------|--------------------|

Reporting group description:

At randomization, participants received 600 ug subcutaneously (sc) twice daily (bid). Participants continued at this dose until month 6 if their month 3 mean urinary free cortisol (mUFC) was $\leq 2 \times$ the upper limit of normal (ULN) and the mUFC was below or equal to their baseline mUFC. Participants not meeting the mUFC criteria at month 3 were unblinded and required to increase their dose to 1200 ug bid on an open label basis. Participants had the option to continue in the extension phase as long as they did not meet any discontinuation criteria or until pasireotide was available commercially in their country.

Primary: Number of mUFC (urinary free cortisol) responders by randomized dose group

| | |
|-----------------|---|
| End point title | Number of mUFC (urinary free cortisol) responders by randomized dose group ^[1] |
|-----------------|---|

End point description:

A responder in the primary efficacy analysis was a patient with a $mUFC \leq ULN$ at Month 6 and whose dose was not increased prior to Month 6.

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

End point timeframe:

6 months

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: No statistical analysis was planned for this endpoint.

| End point values | Pasireotide 600 ug | Pasireotide 900 ug | | |
|------------------------------|--------------------|--------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 82 | 80 | | |
| Units: Responders | | | | |
| number (confidence interval) | 12 (7 to 22.3) | 21 (16.6 to 35.9) | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Change from baseline in mUFC

| | |
|-----------------|------------------------------|
| End point title | Change from baseline in mUFC |
|-----------------|------------------------------|

End point description:

Twenty four hour urine samples were collected to obtain mUFC measurements. A negative change from baseline indicates improvement.

End point type Secondary

End point timeframe:

baseline, 3 months, 12 months

| End point values | Pasireotide 600 ug | Pasireotide 900 ug | | |
|--------------------------------------|--------------------|--------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 82 | 80 | | |
| Units: nmol/24h | | | | |
| arithmetic mean (standard deviation) | | | | |
| month 3 (n=61,62) | -375.8 (± 631.07) | -343.4 (± 485.48) | | |
| month 12 (n=37,35) | -572.6 (± 941.44) | -350.7 (± 380.25) | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Time to first UFC response

End point title Time to first UFC response

End point description:

Time to first UFC response is defined as the number of months from baseline to first attainment of UFC response.

End point type Secondary

End point timeframe:

12 months

| End point values | Pasireotide 600 ug | Pasireotide 900 ug | | |
|---------------------------------------|--------------------|--------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 82 | 80 | | |
| Units: months | | | | |
| median (inter-quartile range (Q1-Q3)) | 1 (0.9 to 2.7) | 1 (0.9 to 2.7) | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Percent change from baseline in serum cortisol

| | |
|---|--|
| End point title | Percent change from baseline in serum cortisol |
| End point description: Blood samples were drawn to obtain serum cortisol levels. A negative change from baseline indicates improvement. | |
| End point type | Secondary |
| End point timeframe: baseline, 0.5, 1, 1.5, 2, 2.5, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, 42, 45, 48, 51, 54, 57, 60, 63, 66, 69, 72, 75, 78 months | |

| End point values | Pasireotide 600 ug | Pasireotide 900 ug | | |
|--------------------------------------|--------------------|--------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 82 | 80 | | |
| Units: nmol/L | | | | |
| arithmetic mean (standard deviation) | | | | |
| month 0.5 (n=77,76) | -4 (± 28.23) | -10.8 (± 30.57) | | |
| month 1 (n=78,72) | -7.3 (± 30.13) | -7.7 (± 32) | | |
| month 1.5 (n=75,71) | -5.5 (± 27.65) | -7.1 (± 31.34) | | |
| month 2 (n=73,67) | -0.7 (± 35.81) | -6.4 (± 29.75) | | |
| month 2.5 (n=70,67) | -3.3 (± 31.4) | -10.1 (± 31.23) | | |
| month 3 (n=70,67) | -2.6 (± 35.79) | -10.2 (± 25.6) | | |
| month 4 (n=68,61) | -6.9 (± 31.88) | -10.8 (± 28.1) | | |
| month 5 (n=62,58) | -4.3 (± 36.96) | -10.8 (± 26.5) | | |
| month 6 (n=59,57) | -5.6 (± 34.28) | -9.3 (± 31.45) | | |
| month 7 (n=52,53) | -9.8 (± 34.44) | -5.8 (± 26.35) | | |
| month 8 (n=50,46) | -10.2 (± 30.85) | -9.9 (± 35.79) | | |
| month 9 (n=46,48) | -5.4 (± 33.49) | -5.8 (± 31.56) | | |
| month 10 (n=42,47) | -11.2 (± 30.25) | -9.3 (± 28.39) | | |
| month 11 (n=41,41) | -8.2 (± 38.19) | -14 (± 29.63) | | |
| month 12 (n=39,38) | -11.6 (± 33.75) | -15.2 (± 21.99) | | |
| month 15 (n=26,26) | -10.5 (± 30.14) | -12.5 (± 29.27) | | |
| month 18 (n=26,25) | -7.6 (± 40.35) | -17.8 (± 28.39) | | |
| month 21 (n=21,25) | -12.1 (± 34.23) | -15.5 (± 34.94) | | |
| month 24 (n=18,22) | -17.9 (± 43.46) | -18.1 (± 34.27) | | |
| month 27 (n=16,18) | -9 (± 41.71) | -12.7 (± 28.53) | | |
| month 30 (n=14,19) | -22.8 (± 35.43) | -22.7 (± 32.46) | | |
| month 33 (n=13,15) | -9.5 (± 44.64) | -25.2 (± 25.96) | | |
| month 36 (n=10,13) | -12.7 (± 65.43) | -13.3 (± 37.84) | | |
| month 39 (n=10,12) | -26.6 (± 42.89) | -25.9 (± 33.15) | | |
| month 42 (n=10,12) | -17.8 (± 39.54) | -18.1 (± 35.25) | | |

| | | | | |
|--------------------|-------------------|--------------------|--|--|
| month 45 (n=10,11) | -12.5 (± 44.89) | -8.5 (± 32.55) | | |
| month 48 (n=9,11) | -19.7 (± 37.88) | -20.1 (± 39.42) | | |
| month 51 (n=9,9) | -17.6 (± 34.6) | -24 (± 31.53) | | |
| month 54 (n=9,9) | -25 (± 30.49) | -6.8 (± 28.07) | | |
| month 57 (n=8,8) | -11 (± 56.61) | -30.8 (± 22.21) | | |
| month 60 (n=8,8) | -24.5 (± 31.89) | -18.9 (± 22.05) | | |
| month 63 (n=6,7) | -28.6 (± 31.2) | -24 (± 26.41) | | |
| month 66 (n=4,6) | -6.7 (± 29.29) | -22.5 (± 36.19) | | |
| month 69 (n=3,5) | -13.4 (± 42.68) | -33.6 (± 10.31) | | |
| month 72 (n=3,4) | -4.5 (± 40.94) | -22.7 (± 23.57) | | |
| month 75 (n=2,3) | -63.3 (± 41.13) | -23.2 (± 25.71) | | |
| month 78 (n=1,1) | 14.5 (± 99999.99) | -53.3 (± 99999.99) | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Percent change from baseline in mean adrenocorticotrophic hormone (ACTH)

| | |
|---|--|
| End point title | Percent change from baseline in mean adrenocorticotrophic hormone (ACTH) |
| End point description: | |
| Blood samples were drawn to obtain ACTH levels. A negative change from baseline indicates improvement. | |
| End point type | Secondary |
| End point timeframe: | |
| baseline, 0.5, 1, 1.5, 2, 2.5, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, 42, 45, 48, 51, 54, 57, 60, 63, 66, 69, 72, 75, 78 months | |

| End point values | Pasireotide 600 ug | Pasireotide 900 ug | | |
|--------------------------------------|--------------------|--------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 82 | 80 | | |
| Units: percent change | | | | |
| arithmetic mean (standard deviation) | | | | |
| month 0.5 (n=78,75) | 9.3 (± 181.17) | -15.9 (± 30.75) | | |
| month 1 (n=78,71) | -10 (± 37.29) | -19.1 (± 30.47) | | |
| month 1.5 (n=74,69) | -13.4 (± 31.64) | -10.5 (± 38.05) | | |
| month 2 (n=72,66) | -7.7 (± 40.86) | -13.2 (± 35.38) | | |

| | | | |
|---------------------|-----------------|--------------------|--|
| month 2.5 (n=69,65) | -8.2 (± 37.32) | -12 (± 47.02) | |
| month 3 (n=69,66) | -9.2 (± 40.85) | -16.3 (± 31.93) | |
| month 4 (n=66,61) | -7.2 (± 38.42) | -12.8 (± 44.06) | |
| month 5 (n=62,55) | -3 (± 42.5) | -15 (± 38.89) | |
| month 6 (n=58,55) | -8.4 (± 43.61) | -17.3 (± 35.6) | |
| month 7 (n=52,52) | -11.4 (± 45.25) | -14.6 (± 30.88) | |
| month 8 (n=48,46) | -5 (± 51.75) | -17 (± 36.87) | |
| month 9 (n=46,47) | -5.3 (± 55.27) | -18.2 (± 35.87) | |
| month 10 (n=42,46) | -10.2 (± 48.82) | -18.2 (± 34.18) | |
| month 11 (n=42,40) | -11.5 (± 44.52) | -17.4 (± 39.06) | |
| month 12 (n=39,39) | -7.4 (± 53.83) | -26.5 (± 33.38) | |
| month 15 (n=26,26) | -14.5 (± 43.44) | -16.3 (± 32.01) | |
| month 18 (n=26,25) | -5.9 (± 57.56) | -21.2 (± 32.91) | |
| month 21 (n=20,23) | -1.5 (± 51.52) | -17.3 (± 34.34) | |
| month 24 (n=18,21) | -10.9 (± 47.95) | -18 (± 26.53) | |
| month 27 (n=16,18) | -10.4 (± 53.33) | -12.5 (± 39.39) | |
| month 30 (n=14,18) | -14.7 (± 56.17) | -20 (± 40.82) | |
| month 33 (n=13,14) | -9.4 (± 55.01) | -2.4 (± 33.07) | |
| month 36 (n=10,13) | 19.1 (± 112.26) | 1.2 (± 35.33) | |
| month 39 (n=10,12) | -20.9 (± 48.68) | -5.3 (± 40.02) | |
| month 42 (n=10,12) | -6.7 (± 59.61) | 2.7 (± 42.35) | |
| month 45 (n=9,11) | 11.9 (± 89.59) | 8.1 (± 50.09) | |
| month 48 (n=9,9) | -10.8 (± 65.52) | 11.7 (± 55.85) | |
| month 51 (n=9,9) | 0 (± 65.82) | -3.1 (± 48.21) | |
| month 54 (n=9,9) | 4.6 (± 77.49) | 7.3 (± 52.94) | |
| month 57 (n=7,7) | 9.6 (± 59.86) | -5 (± 45.19) | |
| month 60 (n=8,8) | 9.6 (± 61.38) | -1.3 (± 39.01) | |
| month 63 (n=6,7) | 11.9 (± 73.78) | 15.4 (± 50.66) | |
| month 66 (n=4,6) | 25.3 (± 75.31) | 18.3 (± 61.35) | |
| month 69 (n=3,5) | 38.9 (± 78.34) | -1.2 (± 23.98) | |
| month 72 (n=3,3) | 35.6 (± 78.48) | 22 (± 46.15) | |
| month 75 (n=2,3) | -5 (± 77.78) | 23.1 (± 110.92) | |
| month 78 (n=1,1) | 50 (± 99999.99) | -11.1 (± 99999.99) | |

Statistical analyses

No statistical analyses for this end point

Secondary: Mean change from baseline in clinical signs and symptoms of Cushing's disease: sitting systolic blood pressure (SBP) and sitting diastolic blood pressure (DBP)

| | |
|------------------------|---|
| End point title | Mean change from baseline in clinical signs and symptoms of Cushing's disease: sitting systolic blood pressure (SBP) and sitting diastolic blood pressure (DBP) |
| End point description: | Sitting blood pressure assessments were performed at every study visit. A negative change from baseline indicates improvement. |
| End point type | Secondary |
| End point timeframe: | baseline, month 3, month 6, month 12, month 24, month 36, month 48, month 60 |

| End point values | Pasireotide 600 ug | Pasireotide 900 ug | | |
|--------------------------------------|--------------------|--------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 82 | 80 | | |
| Units: mmHg | | | | |
| arithmetic mean (standard deviation) | | | | |
| Sitting SBP, month 3 (n=70,67) | -7.4 (± 17.37) | -9.9 (± 17.01) | | |
| Sitting SBP, month 6 (n=59,57) | -6.8 (± 19.35) | -11.4 (± 15.92) | | |
| Sitting SBP, month 12 (n=39,39) | -2.8 (± 18.4) | -9.4 (± 14.61) | | |
| Sitting SBP, month 24 (n=18,23) | -11.6 (± 12.82) | -11 (± 11.58) | | |
| Sitting SBP, month 36 (n=10,13) | -3 (± 17.08) | -11.5 (± 16.23) | | |
| Sitting SBP, month 48 (n=9,10) | -12 (± 14.15) | -3.6 (± 14.56) | | |
| Sitting SBP, month 60 (n=7,8) | -12.8 (± 17.1) | -2 (± 11.83) | | |
| Sitting DBP, month 3 (n=70,67) | -3.3 (± 11.01) | -4.1 (± 13.11) | | |
| Sitting DBP, month 6 (n=59,57) | -4.2 (± 13.54) | -5 (± 11.56) | | |
| Sitting DBP, month 12 (n=39,39) | -2 (± 11.65) | -5.4 (± 10.86) | | |
| Sitting DBP, month 24 (n=18,23) | -8.1 (± 11.35) | -6.4 (± 9.37) | | |
| Sitting DBP, month 36 (n=10,13) | -6.8 (± 14.17) | -7.3 (± 8.25) | | |
| Sitting DBP, month 48 (n=9,10) | -11.7 (± 12.02) | -1 (± 9.3) | | |
| Sitting DBP, month 60 (n=7,8) | -9.1 (± 9.79) | 0.7 (± 7.34) | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Mean change from baseline in clinical signs and symptoms of Cushing's disease: body mass index (BMI)

| | |
|-----------------|--|
| End point title | Mean change from baseline in clinical signs and symptoms of Cushing's disease: body mass index (BMI) |
|-----------------|--|

End point description:

BMI was determined by using height and weight measurements. A negative change from baseline indicates improvement.

End point type Secondary

End point timeframe:

baseline, month 3, month 6, month 12, month 24, month 36, month 48 and month 60

| End point values | Pasireotide 600 ug | Pasireotide 900 ug | | |
|--------------------------------------|--------------------|--------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 82 | 80 | | |
| Units: kg/m ² | | | | |
| arithmetic mean (standard deviation) | | | | |
| month 3 (n=70,67) | -1 (± 1.26) | -1.4 (± 1.29) | | |
| month 6 (n=59,57) | -1.2 (± 1.64) | -2.1 (± 1.72) | | |
| month 12 (n=40,39) | -2.1 (± 2.19) | -2.8 (± 2.21) | | |
| month 24 (n=18,23) | -3.4 (± 2.97) | -3 (± 2.67) | | |
| month 36 (n=10,13) | -2.9 (± 2.47) | -3.3 (± 3.48) | | |
| month 48 (n=9,10) | -3.1 (± 2.14) | -2.4 (± 2.6) | | |
| month 60 (n=8,8) | -2.8 (± 1.85) | -2 (± 2.2) | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Mean change from baseline in clinical signs and symptoms of Cushing's disease: waist circumference

End point title Mean change from baseline in clinical signs and symptoms of Cushing's disease: waist circumference

End point description:

Waist circumference was measured with a measuring tape correctly positioned. A negative change from baseline indicates improvement.

End point type Secondary

End point timeframe:

baseline, month 3, month 6, month 12, month 24, month 36, month 48, month 60

| End point values | Pasireotide 600 ug | Pasireotide 900 ug | | |
|--------------------------------------|--------------------|--------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 82 | 80 | | |
| Units: cm | | | | |
| arithmetic mean (standard deviation) | | | | |
| month 3 (n=64,66) | -1 (± 10.47) | -2.2 (± 5.23) | | |
| month 6 (n=53,54) | -1.9 (± 8.33) | -3.4 (± 5.39) | | |
| month 12(n=34,35) | -4.4 (± 9.4) | -5.6 (± 7.86) | | |

| | | | | |
|---------------------|----------------|----------------|--|--|
| month 24 (n=17,22) | -8.7 (± 9.54) | -5.1 (± 10.22) | | |
| month 36 (n=9,13) | -7.8 (± 10.46) | -6.4 (± 9.97) | | |
| month 48 (n=8,10) | -8.3 (± 11.59) | -5.1 (± 10.03) | | |
| month 60 (n=7,8) | -7.3 (± 12.08) | -4.6 (± 10.9) | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Mean change from baseline in clinical signs and symptoms of Cushing's disease: total cholesterol and triglycerides

| | |
|-----------------|--|
| End point title | Mean change from baseline in clinical signs and symptoms of Cushing's disease: total cholesterol and triglycerides |
|-----------------|--|

End point description:

Blood samples were drawn to obtain total cholesterol and triglycerides' levels. A negative change from baseline indicates improvement.

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

End point timeframe:

baseline, month 3, month 6, month 12, month 24, month 36, month 48, month 60

| End point values | Pasireotide 600 ug | Pasireotide 900 ug | | |
|--------------------------------------|--------------------|--------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 82 | 80 | | |
| Units: mmol/L | | | | |
| arithmetic mean (standard deviation) | | | | |
| Cholesterol, month 3 (n=70,67) | -0.2 (± 1.06) | -0.3 (± 1.01) | | |
| Cholesterol, month 6 (n=59,55) | -0.4 (± 1.24) | -0.4 (± 0.98) | | |
| Cholesterol, month 12 (n=40,39) | -0.5 (± 1.29) | -0.6 (± 1.18) | | |
| Cholesterol, month 24 (n=18,22) | -0.6 (± 1.39) | -0.3 (± 0.81) | | |
| Cholesterol, month 36 (n=10,12) | -0.8 (± 1.24) | -0.1 (± 0.64) | | |
| Cholesterol, month 48 (n=9,10) | -0.9 (± 1.63) | -0.4 (± 0.8) | | |
| Cholesterol, month 60 (n=8,8) | -1.5 (± 1.57) | -0.4 (± 1) | | |
| Triglycerides, month 3 (n=70,67) | 0.1 (± 1.07) | 0.1 (± 1.01) | | |
| Triglycerides, month 6 (n=59,55) | 0 (± 0.92) | 0.1 (± 1) | | |
| Triglycerides, month 12 (n=40,39) | -0.1 (± 0.77) | -0.2 (± 0.69) | | |
| Triglycerides, month 24 (n=18,22) | 0 (± 1.05) | 0 (± 0.82) | | |
| Triglycerides, month 36 (n=10,12) | -0.2 (± 0.99) | 0.3 (± 1.38) | | |
| Triglycerides, month 48 (n=9,10) | -0.5 (± 0.94) | 0.4 (± 1.32) | | |
| Triglycerides, month 60 (n=8,8) | -0.7 (± 1.01) | 0.2 (± 1.02) | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Mean change from baseline in clinical signs and symptoms of Cushing's disease: Beck Depression Inventory (BDI-II) score

| | |
|------------------------|--|
| End point title | Mean change from baseline in clinical signs and symptoms of Cushing's disease: Beck Depression Inventory (BDI-II) score |
| End point description: | The BDI-II is a 21 item self-report rating inventory measuring characteristic attitudes and symptoms of depression. The BDI-II contains 21 questions, each answer being scored on a scale value of 0 to 3. Higher total scores indicate more severe depressive symptoms. The scores range as follows: 0-13: minimal depression; 14-19: mild depression; 20-28: moderate depression; and 29-63: severe depression. A negative change from baseline indicates improvement. |
| End point type | Secondary |
| End point timeframe: | baseline, month 3, month 6, month 12, month 24, month 36, month 48, month 60 |

| End point values | Pasireotide 600 ug | Pasireotide 900 ug | | |
|--------------------------------------|-----------------------|--------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 82 | 80 | | |
| Units: score on a scale | | | | |
| arithmetic mean (standard deviation) | | | | |
| month 3 (n=66,65) | -4.6 (± 8.29) | -1.9 (± 9.88) | | |
| month 6 (n=56,55) | -4.6 (± 9.49) | -5.5 (± 8.81) | | |
| month 12 (n=38,37) | -4.6 (± 9.19) | -5.2 (± 9.94) | | |
| month 18 (n=6,6) | -1.3 (± 5.24) | -7.8 (± 5.78) | | |
| month 24 (n=0,1) | 99999.99 (± 99999.99) | -12 (± 99999.99) | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Mean change from baseline in clinical signs and symptoms of Cushing's disease: Ferriman-Galway hirsutism score

| | |
|------------------------|---|
| End point title | Mean change from baseline in clinical signs and symptoms of Cushing's disease: Ferriman-Galway hirsutism score |
| End point description: | The Ferriman Gallwey scoring system is used to score the degree of excess male pattern body hair. The scorecard of every body location under survey begins from 0 (no excessive terminal hair growth) to 4 (extensive terminal hair growth) and the numbers are added up to a maximum count of 36. A score >= 6 indicates the hirsutism. A negative change from baseline indicates improvement. |
| End point type | Secondary |
| End point timeframe: | baseline, month 3, month 6, month 12, month 24, month 36, month 48, month 60 |

| End point values | Pasireotide 600 ug | Pasireotide 900 ug | | |
|--------------------------------------|--------------------|--------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 82 | 80 | | |
| Units: score on a scale | | | | |
| arithmetic mean (standard deviation) | | | | |
| month 3 (n=52,50) | -1.3 (± 3.02) | -1.3 (± 3.46) | | |
| month 6 (n=44,47) | -0.9 (± 2.88) | -2.4 (± 4.7) | | |
| month 12 (n=30,35) | -1.3 (± 1.99) | -3.5 (± 4.65) | | |
| month 24 (n=12,22) | -2.8 (± 2.72) | -4 (± 4.34) | | |
| month 36 (n=7,12) | -3.7 (± 2.69) | -3.2 (± 4.09) | | |
| month 48 (n=6,10) | -6 (± 3.85) | -2.5 (± 2.84) | | |
| month 60 (n=5,8) | -5 (± 3.32) | -2.9 (± 3.23) | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Mean change from baseline in clinical signs and symptoms of Cushing's disease: bone mineral density (BMD)

| | |
|------------------------|--|
| End point title | Mean change from baseline in clinical signs and symptoms of Cushing's disease: bone mineral density (BMD) |
| End point description: | BMD was measured using Lunar or Hologic dual-energy X-ray absorptiometry (DXA) Instruments. Measurements were done in the lumbar vertebrae (L1-L4), proximal femur (total hip) and proximal femur (femur neck). A negative change from baseline indicates improvement. |
| End point type | Secondary |
| End point timeframe: | baseline, month 3, month 6, month 12, month 24, month 36, month 48, month 60 |

| End point values | Pasireotide 600 ug | Pasireotide 900 ug | | |
|--|--------------------|--------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 82 | 80 | | |
| Units: mg/cm ³ | | | | |
| arithmetic mean (standard deviation) | | | | |
| Lumbar vertebrae, month 3 (n=2,2) | 0 (± 0.02) | 0 (± 0) | | |
| Lumbar vertebrae, month 6 (n=47,39) | 0 (± 0.06) | 0 (± 0.04) | | |
| Lumbar vertebrae, month 12 (n=33,29) | 0 (± 0.07) | 0 (± 0.05) | | |
| Lumbar vertebrae, month 24 (n=16,16) | 0 (± 0.04) | 0 (± 0.05) | | |
| Lumbar vertebrae, month 36 (n=8,9) | 0 (± 0.09) | 0.1 (± 0.12) | | |
| Lumbar vertebrae, month 48 (n=9,8) | 0 (± 0.12) | 0 (± 0.05) | | |
| Lumbar vertebrae, month 60 (n=7,6) | 0 (± 0.14) | 0 (± 0.08) | | |
| Proximal femur (total hip), month 3 (2,2) | 0 (± 0.04) | 0 (± 0.01) | | |
| Proximal femur (total hip), month 6 (n=46,38) | 0 (± 0.07) | 0 (± 0.05) | | |
| Proximal femur (total hip), month 12 (n=33,26) | 0 (± 0.04) | 0 (± 0.03) | | |

| | | | | |
|---|---------------|------------|--|--|
| Proximal femur (total hip), month 24 (n=16,13) | 0 (± 0.04) | 0 (± 0.03) | | |
| Proximal femur (total hip), month 36 (n=8,8) | 0 (± 0.03) | 0 (± 0.06) | | |
| Proximal femur (total hip), month 48 (n=8,8) | 0 (± 0.04) | 0 (± 0.05) | | |
| Proximal femur (total hip), month 60 (n=7,6) | -0.1 (± 0.14) | 0 (± 0.06) | | |
| Proximal femur (femur neck), month 3 (n=2,2) | 0 (± 0) | 0 (± 0.03) | | |
| Proximal femur (femur neck), month 6 (n=46,38) | 0 (± 0.03) | 0 (± 0.05) | | |
| Proximal femur (femur neck), month 12 (n=33,28) | 0 (± 0.04) | 0 (± 0.07) | | |
| Proximal femur (femur neck), month 24 (n=16,14) | 0 (± 0.05) | 0 (± 0.04) | | |
| Proximal femur (femur neck), month 36 (n=8,8) | 0 (± 0.02) | 0 (± 0.04) | | |
| Proximal femur (femur neck), month 48 (n=9,7) | 0 (± 0.05) | 0 (± 0.04) | | |
| Proximal femur (femur neck), month 60 (7,6) | 0 (± 0.1) | 0 (± 0.05) | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Mean change from baseline in clinical signs and symptoms of Cushing's disease: body composition

| | |
|---|---|
| End point title | Mean change from baseline in clinical signs and symptoms of Cushing's disease: body composition |
| End point description: | |
| Body composition as in percentage of body fat by region was assessed by total body scan. A negative change from baseline indicates improvement. | |
| End point type | Secondary |
| End point timeframe: | |
| baseline, month 3, month 6, month 12, month 24, month 36, month 48, month 60 | |

| End point values | Pasireotide 600 ug | Pasireotide 900 ug | | |
|--|--------------------|--------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 82 | 80 | | |
| Units: Percentage of body fat arithmetic mean (standard deviation) | | | | |
| Month 3 (n=2,2) | 2.9 (± 1.48) | 0.3 (± 0.78) | | |
| Month 6 (n=39,32) | -0.4 (± 3.77) | -0.9 (± 4.06) | | |
| Month 12 (n=29,22) | -3 (± 4.23) | -1.6 (± 4.27) | | |
| Month 24 (n=13,14) | -1.9 (± 3.24) | -1.9 (± 5.7) | | |
| Month 36 (n=5,8) | -2 (± 4.2) | -1.1 (± 4.94) | | |
| Month 48 (n=4,7) | -2 (± 5.07) | 0.1 (± 5.63) | | |
| Month 60 (n=4,6) | -2.8 (± 4.64) | -0.5 (± 4.97) | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Change from baseline in tumor volume

| | |
|-----------------|--------------------------------------|
| End point title | Change from baseline in tumor volume |
|-----------------|--------------------------------------|

End point description:

Pituitary magnetic resonance imaging (MRI) was performed to determine tumor volume. A negative change from baseline indicates improvement.

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

End point timeframe:

baseline, 6, 12, 18, 24, 30, 36, 42, 48, 54, 60, 66, 72, 78 months

| End point values | Pasireotide 600 ug | Pasireotide 900 ug | | |
|--------------------------------------|--------------------|-----------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 82 | 80 | | |
| Units: cm ³ | | | | |
| arithmetic mean (standard deviation) | | | | |
| month 6 (n=25, 28) | 9.3 (± 44.02) | -19 (± 36.82) | | |
| month 12 (n=15, 18) | -8.1 (± 62.17) | -43.8 (± 49.47) | | |
| month 18 (n=8, 11) | -18.1 (± 71.62) | -36 (± 65.42) | | |
| month 24 (n=7, 13) | -27.4 (± 82.68) | -11.5 (± 66.28) | | |
| month 30 (n=6, 8) | -52.1 (± 55.2) | -20.9 (± 77.16) | | |
| month 36 (n=3, 5) | -94.1 (± 10.15) | -27.6 (± 78.86) | | |
| month 42 (n=3, 3) | -95.2 (± 8.4) | 84 (± 282.6) | | |
| month 48 (n=3, 3) | -20.5 (± 130.9) | 29.2 (± 164.67) | | |
| month 54 (n=3, 2) | -29.1 (± 107.4) | 20.3 (± 170.15) | | |
| month 60 (n=3, 2) | -13.5 (± 136.97) | 127.6 (± 321.88) | | |
| month 66 (n= 1, 1) | -100 (± 99999.99) | 269.8 (± 99999.99) | | |
| month 72 (n=1, 0) | 45.6 (± 99999.99) | 99999.99 (± 99999.99) | | |
| month 78 (n=1, 0) | 77.2 (± 99999.99) | 99999.99 (± 99999.99) | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Percentage change from baseline in health related quality of life (HRQL) score

| | |
|-----------------|--|
| End point title | Percentage change from baseline in health related quality of life (HRQL) score |
|-----------------|--|

End point description:

A Cushing's syndrome health related quality of life (HRQL) questionnaire was completed. The Cushing's Syndrome HRQL questionnaire contains 12 sentences with 5 possible answers each. The answers are based on Likert scales, with 5 response categories: Always, Often, Sometimes, Rarely and Never; or Very much, Quite a bit, Somewhat, Very little, and Not at all. The answers to each of the items are rated on a scale of 1 to 5. "1" corresponds to the response category "Always" or "Very much" and "5" corresponds to the category "Never" or "Not at all". The score is the sum of all item responses and can range from 12 to 60 points. The lower the score, the greater the Cushing's Syndrome impacts on HRQL. A positive change from baseline indicates improvement.

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

End point timeframe:

baseline, 3 months, 6 months, 12 months

| End point values | Pasireotide 600 ug | Pasireotide 900 ug | | |
|--|--------------------|--------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 82 | 80 | | |
| Units: Percentage change in HRQL score | | | | |
| arithmetic mean (standard deviation) | | | | |
| month 3 (n=67,66) | 20.7 (± 60.26) | 40.1 (± 135.47) | | |
| month 6 (n= 55,56) | 19.6 (± 47.78) | 52.2 (± 169.47) | | |
| month 12 (n=20,20) | 54.9 (± 95.83) | 111.5 (± 266.75) | | |

Statistical analyses

No statistical analyses for this end point

Adverse events

Adverse events information

Timeframe for reporting adverse events:

Adverse events are collected from First Patient First Visit (FPFV) until Last Patient Last Visit (LPLV). All adverse events reported in this record are from date of First Patient First Treatment until Last Patient Last Visit

Adverse event reporting additional description:

AE additional description

| | |
|-----------------|------------|
| Assessment type | Systematic |
|-----------------|------------|

Dictionary used

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

| | |
|--------------------|------|
| Dictionary version | 17.0 |
|--------------------|------|

Reporting groups

| | |
|-----------------------|------------------------|
| Reporting group title | Pasireotide 600 ug bid |
|-----------------------|------------------------|

Reporting group description:

Pasireotide 600 ug bid

| | |
|-----------------------|------------------------|
| Reporting group title | Pasireotide 900 ug bid |
|-----------------------|------------------------|

Reporting group description:

Pasireotide 900 ug bid

| Serious adverse events | Pasireotide 600 ug bid | Pasireotide 900 ug bid | |
|---|------------------------|------------------------|--|
| Total subjects affected by serious adverse events | | | |
| subjects affected / exposed | 23 / 82 (28.05%) | 25 / 80 (31.25%) | |
| number of deaths (all causes) | 0 | 0 | |
| number of deaths resulting from adverse events | 0 | 0 | |
| Neoplasms benign, malignant and unspecified (incl cysts and polyps) | | | |
| Pituitary tumour benign | | | |
| subjects affected / exposed | 0 / 82 (0.00%) | 2 / 80 (2.50%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 2 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Secretory adenoma of pituitary | | | |
| subjects affected / exposed | 0 / 82 (0.00%) | 1 / 80 (1.25%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Vascular disorders | | | |
| Hypertensive crisis | | | |

| | | | |
|--|----------------|----------------|--|
| subjects affected / exposed | 0 / 82 (0.00%) | 1 / 80 (1.25%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Hypertensive emergency | | | |
| subjects affected / exposed | 0 / 82 (0.00%) | 1 / 80 (1.25%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Hypotension | | | |
| subjects affected / exposed | 1 / 82 (1.22%) | 1 / 80 (1.25%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Pregnancy, puerperium and perinatal conditions | | | |
| Pregnancy | | | |
| subjects affected / exposed | 1 / 82 (1.22%) | 0 / 80 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| General disorders and administration site conditions | | | |
| Disease progression | | | |
| subjects affected / exposed | 1 / 82 (1.22%) | 1 / 80 (1.25%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Drug ineffective | | | |
| subjects affected / exposed | 1 / 82 (1.22%) | 1 / 80 (1.25%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Microlithiasis | | | |
| subjects affected / exposed | 0 / 82 (0.00%) | 1 / 80 (1.25%) | |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Reproductive system and breast disorders | | | |
| Adenomyosis | | | |

| | | | |
|---|----------------|----------------|--|
| subjects affected / exposed | 0 / 82 (0.00%) | 1 / 80 (1.25%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Uterine polyp | | | |
| subjects affected / exposed | 1 / 82 (1.22%) | 1 / 80 (1.25%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Respiratory, thoracic and mediastinal disorders | | | |
| Epistaxis | | | |
| subjects affected / exposed | 1 / 82 (1.22%) | 0 / 80 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Oropharyngeal pain | | | |
| subjects affected / exposed | 1 / 82 (1.22%) | 0 / 80 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Psychiatric disorders | | | |
| Agitation | | | |
| subjects affected / exposed | 0 / 82 (0.00%) | 1 / 80 (1.25%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Investigations | | | |
| Electrocardiogram QT prolonged | | | |
| subjects affected / exposed | 0 / 82 (0.00%) | 1 / 80 (1.25%) | |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Lipase increased | | | |
| subjects affected / exposed | 1 / 82 (1.22%) | 0 / 80 (0.00%) | |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Injury, poisoning and procedural complications | | | |
| Ankle fracture | | | |

| | | | |
|---|----------------|----------------|--|
| subjects affected / exposed | 0 / 82 (0.00%) | 1 / 80 (1.25%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Toxicity to various agents | | | |
| subjects affected / exposed | 1 / 82 (1.22%) | 0 / 80 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Cardiac disorders | | | |
| Atrioventricular block second degree | | | |
| subjects affected / exposed | 0 / 82 (0.00%) | 1 / 80 (1.25%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Nervous system disorders | | | |
| Cerebrovascular accident | | | |
| subjects affected / exposed | 0 / 82 (0.00%) | 1 / 80 (1.25%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Cranial nerve paralysis | | | |
| subjects affected / exposed | 0 / 82 (0.00%) | 1 / 80 (1.25%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Dizziness | | | |
| subjects affected / exposed | 0 / 82 (0.00%) | 1 / 80 (1.25%) | |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Dysarthria | | | |
| subjects affected / exposed | 0 / 82 (0.00%) | 1 / 80 (1.25%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Intracranial aneurysm | | | |
| subjects affected / exposed | 0 / 82 (0.00%) | 1 / 80 (1.25%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 2 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Somnolence | | | |

| | | | |
|---|----------------|----------------|--|
| subjects affected / exposed | 0 / 82 (0.00%) | 1 / 80 (1.25%) | |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Ear and labyrinth disorders | | | |
| Ear haemorrhage | | | |
| subjects affected / exposed | 1 / 82 (1.22%) | 0 / 80 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Tympanic membrane perforation | | | |
| subjects affected / exposed | 1 / 82 (1.22%) | 0 / 80 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Vertigo positional | | | |
| subjects affected / exposed | 0 / 82 (0.00%) | 1 / 80 (1.25%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Gastrointestinal disorders | | | |
| Abdominal pain | | | |
| subjects affected / exposed | 0 / 82 (0.00%) | 1 / 80 (1.25%) | |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Anal fistula | | | |
| subjects affected / exposed | 1 / 82 (1.22%) | 0 / 80 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Constipation | | | |
| subjects affected / exposed | 0 / 82 (0.00%) | 1 / 80 (1.25%) | |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Diarrhoea | | | |
| subjects affected / exposed | 2 / 82 (2.44%) | 0 / 80 (0.00%) | |
| occurrences causally related to treatment / all | 2 / 2 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Diverticular perforation | | | |

| | | | |
|---|----------------|----------------|--|
| subjects affected / exposed | 1 / 82 (1.22%) | 0 / 80 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Inguinal hernia | | | |
| subjects affected / exposed | 0 / 82 (0.00%) | 1 / 80 (1.25%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Pancreatitis | | | |
| subjects affected / exposed | 1 / 82 (1.22%) | 0 / 80 (0.00%) | |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Tongue movement disturbance | | | |
| subjects affected / exposed | 0 / 82 (0.00%) | 1 / 80 (1.25%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Umbilical hernia | | | |
| subjects affected / exposed | 0 / 82 (0.00%) | 1 / 80 (1.25%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Hepatobiliary disorders | | | |
| Bile duct stone | | | |
| subjects affected / exposed | 0 / 82 (0.00%) | 1 / 80 (1.25%) | |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Cholangitis | | | |
| subjects affected / exposed | 1 / 82 (1.22%) | 0 / 80 (0.00%) | |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Cholecystitis | | | |
| subjects affected / exposed | 0 / 82 (0.00%) | 1 / 80 (1.25%) | |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Cholecystitis acute | | | |

| | | | |
|--|----------------|----------------|--|
| subjects affected / exposed | 2 / 82 (2.44%) | 0 / 80 (0.00%) | |
| occurrences causally related to treatment / all | 2 / 2 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Cholelithiasis | | | |
| subjects affected / exposed | 4 / 82 (4.88%) | 2 / 80 (2.50%) | |
| occurrences causally related to treatment / all | 4 / 4 | 2 / 2 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Endocrine disorders | | | |
| Adrenal insufficiency | | | |
| subjects affected / exposed | 0 / 82 (0.00%) | 2 / 80 (2.50%) | |
| occurrences causally related to treatment / all | 0 / 0 | 2 / 2 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Pituitary-dependent Cushing's syndrome | | | |
| subjects affected / exposed | 3 / 82 (3.66%) | 3 / 80 (3.75%) | |
| occurrences causally related to treatment / all | 0 / 3 | 0 / 3 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Musculoskeletal and connective tissue disorders | | | |
| Musculoskeletal chest pain | | | |
| subjects affected / exposed | 0 / 82 (0.00%) | 1 / 80 (1.25%) | |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Infections and infestations | | | |
| Cellulitis | | | |
| subjects affected / exposed | 0 / 82 (0.00%) | 1 / 80 (1.25%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Abscess intestinal | | | |
| subjects affected / exposed | 1 / 82 (1.22%) | 0 / 80 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Cervicitis | | | |

| | | | |
|---|----------------|----------------|--|
| subjects affected / exposed | 0 / 82 (0.00%) | 1 / 80 (1.25%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Diverticulitis | | | |
| subjects affected / exposed | 1 / 82 (1.22%) | 0 / 80 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Escherichia urinary tract infection | | | |
| subjects affected / exposed | 1 / 82 (1.22%) | 0 / 80 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Nail infection | | | |
| subjects affected / exposed | 1 / 82 (1.22%) | 0 / 80 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Pneumonia | | | |
| subjects affected / exposed | 1 / 82 (1.22%) | 0 / 80 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Metabolism and nutrition disorders | | | |
| Diabetes mellitus | | | |
| subjects affected / exposed | 1 / 82 (1.22%) | 3 / 80 (3.75%) | |
| occurrences causally related to treatment / all | 1 / 1 | 3 / 3 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Food intolerance | | | |
| subjects affected / exposed | 0 / 82 (0.00%) | 1 / 80 (1.25%) | |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Hyperglycaemia | | | |
| subjects affected / exposed | 1 / 82 (1.22%) | 4 / 80 (5.00%) | |
| occurrences causally related to treatment / all | 1 / 1 | 3 / 4 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Hypoglycaemia | | | |

| | | | |
|---|----------------|----------------|--|
| subjects affected / exposed | 1 / 82 (1.22%) | 0 / 80 (0.00%) | |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Type 2 diabetes mellitus | | | |
| subjects affected / exposed | 1 / 82 (1.22%) | 0 / 80 (0.00%) | |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |

Frequency threshold for reporting non-serious adverse events: 5 %

| Non-serious adverse events | Pasireotide 600 ug bid | Pasireotide 900 ug bid | |
|---|------------------------|------------------------|--|
| Total subjects affected by non-serious adverse events | | | |
| subjects affected / exposed | 78 / 82 (95.12%) | 79 / 80 (98.75%) | |
| Vascular disorders | | | |
| Hypertension | | | |
| subjects affected / exposed | 10 / 82 (12.20%) | 8 / 80 (10.00%) | |
| occurrences (all) | 12 | 10 | |
| Hypotension | | | |
| subjects affected / exposed | 4 / 82 (4.88%) | 5 / 80 (6.25%) | |
| occurrences (all) | 9 | 7 | |
| General disorders and administration site conditions | | | |
| Asthenia | | | |
| subjects affected / exposed | 13 / 82 (15.85%) | 6 / 80 (7.50%) | |
| occurrences (all) | 21 | 8 | |
| Fatigue | | | |
| subjects affected / exposed | 12 / 82 (14.63%) | 24 / 80 (30.00%) | |
| occurrences (all) | 14 | 30 | |
| Injection site haemorrhage | | | |
| subjects affected / exposed | 1 / 82 (1.22%) | 4 / 80 (5.00%) | |
| occurrences (all) | 1 | 5 | |
| Injection site pain | | | |
| subjects affected / exposed | 3 / 82 (3.66%) | 4 / 80 (5.00%) | |
| occurrences (all) | 3 | 4 | |
| Malaise | | | |

| | | | |
|--|------------------------|------------------------|--|
| subjects affected / exposed occurrences (all) | 2 / 82 (2.44%) 3 | 5 / 80 (6.25%) 11 | |
| Oedema peripheral subjects affected / exposed occurrences (all) | 9 / 82 (10.98%) 9 | 6 / 80 (7.50%) 6 | |
| Respiratory, thoracic and mediastinal disorders | | | |
| Cough subjects affected / exposed occurrences (all) | 5 / 82 (6.10%) 6 | 3 / 80 (3.75%) 3 | |
| Oropharyngeal pain subjects affected / exposed occurrences (all) | 1 / 82 (1.22%) 1 | 4 / 80 (5.00%) 4 | |
| Psychiatric disorders | | | |
| Anxiety subjects affected / exposed occurrences (all) | 6 / 82 (7.32%) 8 | 10 / 80 (12.50%) 10 | |
| Depression subjects affected / exposed occurrences (all) | 3 / 82 (3.66%) 3 | 4 / 80 (5.00%) 7 | |
| Insomnia subjects affected / exposed occurrences (all) | 3 / 82 (3.66%) 3 | 13 / 80 (16.25%) 16 | |
| Investigations | | | |
| Alanine aminotransferase increased subjects affected / exposed occurrences (all) | 12 / 82 (14.63%) 15 | 6 / 80 (7.50%) 8 | |
| Aspartate aminotransferase increased subjects affected / exposed occurrences (all) | 6 / 82 (7.32%) 7 | 3 / 80 (3.75%) 4 | |
| Blood alkaline phosphatase increased subjects affected / exposed occurrences (all) | 6 / 82 (7.32%) 7 | 1 / 80 (1.25%) 1 | |
| Blood glucose increased subjects affected / exposed occurrences (all) | 6 / 82 (7.32%) 6 | 3 / 80 (3.75%) 3 | |
| Blood insulin decreased | | | |

| | | | |
|--|------------------|-----------------|--|
| subjects affected / exposed | 1 / 82 (1.22%) | 4 / 80 (5.00%) | |
| occurrences (all) | 2 | 7 | |
| Electrocardiogram QT prolonged | | | |
| subjects affected / exposed | 5 / 82 (6.10%) | 7 / 80 (8.75%) | |
| occurrences (all) | 8 | 7 | |
| Gamma-glutamyltransferase increased | | | |
| subjects affected / exposed | 11 / 82 (13.41%) | 7 / 80 (8.75%) | |
| occurrences (all) | 13 | 9 | |
| Glycosylated haemoglobin increased | | | |
| subjects affected / exposed | 10 / 82 (12.20%) | 8 / 80 (10.00%) | |
| occurrences (all) | 11 | 9 | |
| International normalised ratio increased | | | |
| subjects affected / exposed | 1 / 82 (1.22%) | 4 / 80 (5.00%) | |
| occurrences (all) | 1 | 4 | |
| Lipase increased | | | |
| subjects affected / exposed | 7 / 82 (8.54%) | 5 / 80 (6.25%) | |
| occurrences (all) | 8 | 8 | |
| Low density lipoprotein increased | | | |
| subjects affected / exposed | 5 / 82 (6.10%) | 3 / 80 (3.75%) | |
| occurrences (all) | 9 | 3 | |
| Prothrombin time prolonged | | | |
| subjects affected / exposed | 1 / 82 (1.22%) | 4 / 80 (5.00%) | |
| occurrences (all) | 1 | 5 | |
| Weight decreased | | | |
| subjects affected / exposed | 3 / 82 (3.66%) | 5 / 80 (6.25%) | |
| occurrences (all) | 5 | 5 | |
| Injury, poisoning and procedural complications | | | |
| Contusion | | | |
| subjects affected / exposed | 0 / 82 (0.00%) | 4 / 80 (5.00%) | |
| occurrences (all) | 0 | 4 | |
| Procedural pain | | | |
| subjects affected / exposed | 1 / 82 (1.22%) | 4 / 80 (5.00%) | |
| occurrences (all) | 1 | 5 | |
| Cardiac disorders | | | |

| | | | |
|---|------------------------|------------------------|--|
| Sinus bradycardia subjects affected / exposed occurrences (all) | 8 / 82 (9.76%) 13 | 2 / 80 (2.50%) 2 | |
| Nervous system disorders | | | |
| Dizziness subjects affected / exposed occurrences (all) | 9 / 82 (10.98%) 11 | 9 / 80 (11.25%) 10 | |
| Dysgeusia subjects affected / exposed occurrences (all) | 3 / 82 (3.66%) 5 | 4 / 80 (5.00%) 5 | |
| Headache subjects affected / exposed occurrences (all) | 25 / 82 (30.49%) 66 | 25 / 80 (31.25%) 68 | |
| Migraine subjects affected / exposed occurrences (all) | 0 / 82 (0.00%) 0 | 4 / 80 (5.00%) 8 | |
| Somnolence subjects affected / exposed occurrences (all) | 2 / 82 (2.44%) 2 | 4 / 80 (5.00%) 4 | |
| Blood and lymphatic system disorders | | | |
| Anaemia subjects affected / exposed occurrences (all) | 1 / 82 (1.22%) 1 | 5 / 80 (6.25%) 7 | |
| Iron deficiency anaemia subjects affected / exposed occurrences (all) | 3 / 82 (3.66%) 3 | 4 / 80 (5.00%) 5 | |
| Ear and labyrinth disorders | | | |
| Vertigo subjects affected / exposed occurrences (all) | 4 / 82 (4.88%) 5 | 6 / 80 (7.50%) 7 | |
| Eye disorders | | | |
| Vision blurred subjects affected / exposed occurrences (all) | 3 / 82 (3.66%) 3 | 4 / 80 (5.00%) 5 | |
| Gastrointestinal disorders | | | |
| Abdominal distension | | | |

| | | | |
|---|------------------------|------------------------|--|
| subjects affected / exposed occurrences (all) | 6 / 82 (7.32%) 10 | 6 / 80 (7.50%) 7 | |
| Abdominal pain subjects affected / exposed occurrences (all) | 19 / 82 (23.17%) 41 | 21 / 80 (26.25%) 35 | |
| Abdominal pain upper subjects affected / exposed occurrences (all) | 11 / 82 (13.41%) 15 | 8 / 80 (10.00%) 9 | |
| Constipation subjects affected / exposed occurrences (all) | 9 / 82 (10.98%) 9 | 4 / 80 (5.00%) 4 | |
| Diarrhoea subjects affected / exposed occurrences (all) | 49 / 82 (59.76%) 80 | 46 / 80 (57.50%) 69 | |
| Dyspepsia subjects affected / exposed occurrences (all) | 1 / 82 (1.22%) 1 | 5 / 80 (6.25%) 6 | |
| Faeces soft subjects affected / exposed occurrences (all) | 3 / 82 (3.66%) 3 | 4 / 80 (5.00%) 6 | |
| Haemorrhoids subjects affected / exposed occurrences (all) | 3 / 82 (3.66%) 3 | 4 / 80 (5.00%) 7 | |
| Nausea subjects affected / exposed occurrences (all) | 40 / 82 (48.78%) 53 | 47 / 80 (58.75%) 71 | |
| Vomiting subjects affected / exposed occurrences (all) | 3 / 82 (3.66%) 4 | 9 / 80 (11.25%) 11 | |
| Hepatobiliary disorders Cholelithiasis subjects affected / exposed occurrences (all) | 25 / 82 (30.49%) 31 | 25 / 80 (31.25%) 29 | |
| Skin and subcutaneous tissue disorders Acne | | | |

| | | | |
|---|------------------------|------------------------|--|
| subjects affected / exposed occurrences (all) | 5 / 82 (6.10%) 7 | 2 / 80 (2.50%) 2 | |
| Alopecia subjects affected / exposed occurrences (all) | 10 / 82 (12.20%) 10 | 11 / 80 (13.75%) 18 | |
| Dry skin subjects affected / exposed occurrences (all) | 5 / 82 (6.10%) 5 | 5 / 80 (6.25%) 7 | |
| Ecchymosis subjects affected / exposed occurrences (all) | 1 / 82 (1.22%) 1 | 4 / 80 (5.00%) 4 | |
| Pruritus subjects affected / exposed occurrences (all) | 6 / 82 (7.32%) 9 | 7 / 80 (8.75%) 8 | |
| Rash subjects affected / exposed occurrences (all) | 6 / 82 (7.32%) 10 | 4 / 80 (5.00%) 4 | |
| Skin exfoliation subjects affected / exposed occurrences (all) | 5 / 82 (6.10%) 7 | 3 / 80 (3.75%) 4 | |
| Endocrine disorders Hypothyroidism subjects affected / exposed occurrences (all) | 3 / 82 (3.66%) 3 | 4 / 80 (5.00%) 4 | |
| Musculoskeletal and connective tissue disorders Arthralgia subjects affected / exposed occurrences (all) | 6 / 82 (7.32%) 15 | 10 / 80 (12.50%) 11 | |
| Back pain subjects affected / exposed occurrences (all) | 5 / 82 (6.10%) 5 | 7 / 80 (8.75%) 9 | |
| Muscle spasms subjects affected / exposed occurrences (all) | 1 / 82 (1.22%) 1 | 4 / 80 (5.00%) 5 | |
| Myalgia | | | |

| | | | |
|---|------------------------|------------------------|--|
| subjects affected / exposed occurrences (all) | 11 / 82 (13.41%) 30 | 6 / 80 (7.50%) 8 | |
| Neck pain subjects affected / exposed occurrences (all) | 0 / 82 (0.00%) 0 | 4 / 80 (5.00%) 4 | |
| Pain in extremity subjects affected / exposed occurrences (all) | 7 / 82 (8.54%) 8 | 4 / 80 (5.00%) 4 | |
| Infections and infestations | | | |
| Gastroenteritis subjects affected / exposed occurrences (all) | 0 / 82 (0.00%) 0 | 4 / 80 (5.00%) 4 | |
| Influenza subjects affected / exposed occurrences (all) | 10 / 82 (12.20%) 11 | 5 / 80 (6.25%) 11 | |
| Nasopharyngitis subjects affected / exposed occurrences (all) | 12 / 82 (14.63%) 18 | 12 / 80 (15.00%) 17 | |
| Upper respiratory tract infection subjects affected / exposed occurrences (all) | 6 / 82 (7.32%) 7 | 2 / 80 (2.50%) 2 | |
| Urinary tract infection subjects affected / exposed occurrences (all) | 4 / 82 (4.88%) 4 | 6 / 80 (7.50%) 8 | |
| Metabolism and nutrition disorders | | | |
| Decreased appetite subjects affected / exposed occurrences (all) | 8 / 82 (9.76%) 9 | 9 / 80 (11.25%) 11 | |
| Diabetes mellitus subjects affected / exposed occurrences (all) | 17 / 82 (20.73%) 17 | 18 / 80 (22.50%) 22 | |
| Hypercholesterolaemia subjects affected / exposed occurrences (all) | 8 / 82 (9.76%) 11 | 12 / 80 (15.00%) 13 | |
| Hyperglycaemia | | | |

| | | |
|-----------------------------|------------------|------------------|
| subjects affected / exposed | 31 / 82 (37.80%) | 35 / 80 (43.75%) |
| occurrences (all) | 39 | 45 |
| Hyperlipidaemia | | |
| subjects affected / exposed | 5 / 82 (6.10%) | 3 / 80 (3.75%) |
| occurrences (all) | 7 | 4 |
| Hypertriglyceridaemia | | |
| subjects affected / exposed | 6 / 82 (7.32%) | 5 / 80 (6.25%) |
| occurrences (all) | 10 | 6 |
| Hypoglycaemia | | |
| subjects affected / exposed | 12 / 82 (14.63%) | 5 / 80 (6.25%) |
| occurrences (all) | 17 | 7 |
| Hypokalaemia | | |
| subjects affected / exposed | 6 / 82 (7.32%) | 5 / 80 (6.25%) |
| occurrences (all) | 6 | 6 |
| Type 2 diabetes mellitus | | |
| subjects affected / exposed | 10 / 82 (12.20%) | 5 / 80 (6.25%) |
| occurrences (all) | 11 | 7 |
| Vitamin B12 deficiency | | |
| subjects affected / exposed | 2 / 82 (2.44%) | 5 / 80 (6.25%) |
| occurrences (all) | 4 | 6 |
| Vitamin D deficiency | | |
| subjects affected / exposed | 5 / 82 (6.10%) | 5 / 80 (6.25%) |
| occurrences (all) | 6 | 5 |

More information

Substantial protocol amendments (globally)

Were there any global substantial amendments to the protocol? Yes

| Date | Amendment |
|------------------|--|
| 11 December 2006 | Amendment 1 was to add a protocol version number to the cover page of the original protocol and to add a section describing the history of prior protocol amendments. |
| 15 March 2007 | Amendment 2 was to add the requirement for additional gallbladder ultrasounds to be performed every three months at the German sites only. |
| 18 April 2007 | Amendment 3 was to add closer glucose monitoring for patients with diabetes or impaired fasting glucose as an additional safety measure at the French sites only. |
| 25 May 2007 | Amendment 4 was to change the criteria for dose escalation at Month 3 from mUFC > 1.5 x ULN or ≤ 50% reduction compared to baseline to mUFC < 2 x ULN. It also changed the definition of responders at Month 6 such that any patient dose escalated and unblinded at Month 3 will be automatically counted as a non-responder in the primary efficacy analysis. Other changes, including changes to the inclusion and exclusion criteria were also made. |
| 15 June 2007 | Amendment 5 was to add an analysis of injection site reactions as requested by the German health authorities as well as to specify that DXA scans were not to be performed in Germany. |
| 10 December 2007 | Amendment 6 was to lower the UFC entry criterion from ≤ 2 x ULN to ≤ 1.5 x ULN. The Month 3 dose-determination criteria were adapted as a consequence. The response criteria at Month 6 were amended from mean UFC ≤ 1.5 x ULN and a >50% reduction in mUFC to mUFC ≤ 1 x ULN. Midnight salivary cortisol measurements were added. An extension treatment phase was added for patients benefiting from study treatment. The multiple comparison procedure was removed. Several inclusion and exclusion criteria were amended including a prolongation of the exclusion of pituitary irradiation from 2 to 10 years prior to study start. Further minor changes and corrections to the protocol were also made. |
| 19 February 2008 | Amendment 8 was to include a summary paragraph on dose adjustments and discontinuation during the extension phase for easier understanding and to request additional confirmation of a pituitary ACTH source for patients without IPSS or histological confirmation upon specific request by the French authorities for the French sites only. |
| 04 March 2008 | Amendment 9 was a local amendment valid only for China to set the maximum dose a patient may receive to 900 µg b.i.d. upon specific request by the Chinese Health Authorities. |
| 30 April 2010 | Amendment 10 was issued to allow doses lower than 300 ug bid in patients who require lower doses due to tolerability issues as long as efficacy was maintained, to amend the management of hyperglycemia according to published guidelines, and to add a steering committee. |
| 12 December 2011 | Amendment 11 was issued to include additional hepatic-related safety measures as a result of an internal hepatic medical review of pasireotide studies. |

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.

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|---|
| No statistical analysis was planned for this outcome measure. Due to EudraCT system limitations, which EMA is aware of, data using 999 as data points in this record are not an accurate representation of the clinical trial results. |
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Notes: