



**Clinical trial results:**

**A Single Blind, Randomized, Controlled Study to Evaluate the Safety and Effectiveness of EVICEL® as an Adjunct to Gastrointestinal Anastomosis Techniques**

**Summary**

|                          |                 |
|--------------------------|-----------------|
| EudraCT number           | 2011-005479-17  |
| Trial protocol           | GB BE           |
| Global end of trial date | 06 January 2014 |

**Results information**

|                                |              |
|--------------------------------|--------------|
| Result version number          | v1 (current) |
| This version publication date  | 16 July 2016 |
| First version publication date | 16 July 2016 |

**Trial information**

**Trial identification**

|                       |            |
|-----------------------|------------|
| Sponsor protocol code | 400-11-002 |
|-----------------------|------------|

**Additional study identifiers**

|                                    |             |
|------------------------------------|-------------|
| ISRCTN number                      | -           |
| ClinicalTrials.gov id (NCT number) | NCT01589822 |
| WHO universal trial number (UTN)   | -           |

Notes:

**Sponsors**

|                              |  |
|------------------------------|--|
| Sponsor organisation name    | Ethicon Inc., a Johnson & Johnson Co.  |
| Sponsor organisation address | Route 22 West, Somerville, United States,  |
| Public contact               | Senior Clinical Director, Ethicon Inc., a Johnson & Johnson Co.,<br>1 9082182492, jbatill2@its.jnj.com |
| Scientific contact           | Senior Clinical Director, Ethicon Inc., a Johnson & Johnson Co.,<br>1 9082182492, jbatill2@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? | No |

Notes:

## Results analysis stage

|  |                  |
|--|------------------|
| Analysis stage                                       | Final            |
| Date of interim/final analysis                       | 06 February 2014 |
| Is this the analysis of the primary completion data? | Yes              |
| Primary completion date                              | 06 January 2014  |
| Global end of trial reached?                         | Yes              |
| Global end of trial date                             | 06 January 2014  |
| Was the trial ended prematurely?                     | No               |

Notes:

## General information about the trial

Main objective of the trial:

To evaluate the safety and effectiveness of EVICEL® Fibrin Sealant (Human) for use as an adjunct to stapled anastomosis after lower anterior resection (LAR).

This will be done by assessing the absence of clinical anastomotic leak (success) within 40 days post operatively.

Clinical anastomotic leak is defined as signs and symptoms that are confirmed by one or more of the following methods:

- Confirmation on imaging;
- Visual confirmation (eg., reoperation/drain output).

Protection of trial subjects:

The protocol and consent form were provided to the appropriate Ethics Committee for approval. In addition, an independent Data Monitoring Committee was established and had responsibility for evaluating the progress of the trial and assessing patient safety and data quality.

Background therapy:

Not applicable

Evidence for comparator:

Standard of care (standard surgical technique for GI anastomosis) used as comparator

|   |                     |
|---|---------------------|
| Actual start date of recruitment                          | 29 June 2012        |
| Long term follow-up planned                               | Yes                 |
| Long term follow-up rationale                             | Scientific research |
| Long term follow-up duration                              | 1 Years             |
| Independent data monitoring committee (IDMC) involvement? | Yes                 |

Notes:

## Population of trial subjects

### Subjects enrolled per country

|                                      |                        |
|--------------------------------------|------------------------|
| Country: Number of subjects enrolled | United Kingdom: 31     |
| Country: Number of subjects enrolled | Belgium: 37            |
| Country: Number of subjects enrolled | Canada: 8              |
| Country: Number of subjects enrolled | United States: 45      |
| Country: Number of subjects enrolled | Australia: 25          |
| Country: Number of subjects enrolled | New Zealand: 21        |
| Country: Number of subjects enrolled | Korea, Republic of: 47 |
| Worldwide total number of subjects   | 214                    |
| EEA total number of subjects         | 68                     |

Notes:

| <b>Subjects enrolled per age group</b>    |     |
|---|-----|
| 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)                      | 124 |
| From 65 to 84 years                       | 89  |
| 85 years and over                         | 1   |

## Subject disposition

### Recruitment

Recruitment details:

The first subject was recruited on the 29 June 2012 and last subject was 20 September 2013.

### Pre-assignment

Screening details:

Prospective subjects were screened within 21 days prior to surgery. Prior to any study related procedures, subjects were fully informed of all aspects of the study and asked to sign a consent form. Inclusion criteria are detailed in Section 4 of the protocol.

### Period 1

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

Blinding implementation details:

Actual treatment not discussed with the patient

### Arms

|                              |     |
|------------------------------|-----|
| Are arms mutually exclusive? | Yes |
|------------------------------|-----|

|                  |                       |
|------------------|-----------------------|
| <b>Arm title</b> | Evicel Non randomized |
|------------------|-----------------------|

Arm description:

Evicel Non randomized

|  |                       |
|--|-----------------------|
| Arm type                               | Non randomized run in |
| Investigational medicinal product name | Evicel                |
| Investigational medicinal product code | Evicel                |
| Other name                             |                       |
| Pharmaceutical forms                   | Sealant               |
| Routes of administration               | Topical use           |

Dosage and administration details:

At least 10mL of EVICEL (5mL BAC2 plus 5mL Human Thrombin) was to be dripped or sprayed around the circumference of the anastomotic staple line ensuring its full coverage with a layer of EVICEL of approximately 3mm in thickness and 1cm in width on either side of the staple line.

|                  |                   |
|------------------|-------------------|
| <b>Arm title</b> | Evicel Randomized |
|------------------|-------------------|

Arm description:

Evicel Randomized

|  |                   |
|--|-------------------|
| Arm type                               | Active comparator |
| Investigational medicinal product name | Evicel            |
| Investigational medicinal product code | Evicel            |
| Other name                             |                   |
| Pharmaceutical forms                   | Sealant           |
| Routes of administration               | Topical use       |

Dosage and administration details:

At least 10mL of EVICEL (5mL BAC2 plus 5mL Human Thrombin) was to be dripped or sprayed around the circumference of the anastomotic staple line ensuring its full coverage with a layer of EVICEL of approximately 3mm in thickness and 1cm in width on either side of the staple line.

|                  |                  |
|------------------|------------------|
| <b>Arm title</b> | Standard of care |
|------------------|------------------|

Arm description:

Standard of care

|          |                  |
|----------|------------------|
| Arm type | Standard of care |
|----------|------------------|

| <b>Number of subjects in period 1</b>  | Evicel Non randomized | Evicel Randomized | Standard of care |
|--|-----------------------|-------------------|------------------|
| Started                                | 41                    | 84                | 89               |
| Completed                              | 40                    | 80                | 86               |
| Not completed                          | 1                     | 4                 | 3                |
| Adverse event, serious fatal           | -                     | 1                 | -                |
| Consent withdrawn by subject           | -                     | -                 | 2                |
| Lost to follow-up                      | -                     | 1                 | -                |
| Patient did not complete follow-up     | -                     | 2                 | -                |
| Pt did not complete 90-day visit       | 1                     | -                 | -                |
| Pt overseas and unable to be contacted | -                     | -                 | 1                |

## Baseline characteristics

| <b>Reporting groups</b>                               |                       |
|---|-----------------------|
| Reporting group title                                 | Evicel Non randomized |
| Reporting group description:<br>Evicel Non randomized |                       |
| Reporting group title                                 | Evicel Randomized     |
| Reporting group description:<br>Evicel Randomized     |                       |
| Reporting group title                                 | Standard of care      |
| Reporting group description:<br>Standard of care      |                       |

| <b>Reporting group values</b> | Evicel Non randomized | Evicel Randomized | Standard of care |
|-------------------------------|-----------------------|-------------------|------------------|
| Number of subjects            | 41                    | 84                | 89               |
| Age categorical               |                       |                   |                  |
| Units: Subjects               |                       |                   |                  |
| Adults (18-<50 years)         | 6                     | 14                | 10               |
| Adults (50-<65 years)         | 18                    | 37                | 39               |
| Adults (65-<75 years)         | 11                    | 23                | 28               |
| Adults (>=75 years)           | 6                     | 10                | 12               |
| Gender categorical            |                       |                   |                  |
| Units: Subjects               |                       |                   |                  |
| Female                        | 21                    | 41                | 33               |
| Male                          | 20                    | 43                | 56               |

| <b>Reporting group values</b> | Total |  |  |
|-------------------------------|-------|--|--|
| Number of subjects            | 214   |  |  |
| Age categorical               |       |  |  |
| Units: Subjects               |       |  |  |
| Adults (18-<50 years)         | 30    |  |  |
| Adults (50-<65 years)         | 94    |  |  |
| Adults (65-<75 years)         | 62    |  |  |
| Adults (>=75 years)           | 28    |  |  |
| Gender categorical            |       |  |  |
| Units: Subjects               |       |  |  |
| Female                        | 95    |  |  |
| Male                          | 119   |  |  |

## End points

### End points reporting groups

|   |                       |
|---|-----------------------|
| Reporting group title   | Evicel Non randomized |
| Reporting group description:<br>Evicel Non randomized   |                       |
| Reporting group title   | Evicel Randomized     |
| Reporting group description:<br>Evicel Randomized   |                       |
| Reporting group title   | Standard of care      |
| Reporting group description:<br>Standard of care  |                       |
| Subject analysis set title  | Intent to Treat (ITT) |
| Subject analysis set type   | Intention-to-treat    |
| Subject analysis set description:<br>The ITT set was defined as all randomized subjects (with treatment defined by planned/randomized treatment). |                       |
| Subject analysis set title  | Per Protocol (PP)     |
| Subject analysis set type   | Per protocol          |
| Subject analysis set description:<br>The PP set was defined as all subjects in the ITT set who had no major protocol deviations.                  |                       |
| Subject analysis set title  | Safety                |
| Subject analysis set type   | Safety analysis       |
| Subject analysis set description:<br>The safety set is defined as all subjects who received treatment.  |                       |

### Primary: Absence of clinical anastomotic leak within 40 days post operatively

|  |   |
|--|---|
| End point title  | Absence of clinical anastomotic leak within 40 days post operatively <sup>[1]</sup> |
| End point description:<br>Absence of clinical anastomotic leak within 40 days post operatively |   |
| End point type   | Primary   |
| End point timeframe:<br>Within 40 days post-operatively  |   |

#### Notes:

[1] - 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: Statistical data was provided for all the arms. The endpoint efficacy analysis was conducted using the intent-to-treat (ITT) set according to the protocol. The ITT included only all randomized subjects. Safety analysis set included all patients in the trial, which included non-randomized run-in patients.

| End point values                                   | Evicel Randomized | Standard of care |  |  |
|--|-------------------|------------------|--|--|
| Subject group type                                 | Reporting group   | Reporting group  |  |  |
| Number of subjects analysed                        | 84                | 89               |  |  |
| Units: Absence of Leaks                            |                   |                  |  |  |
| Absence of clinical anastomotic leak within 40 day | 72                | 81               |  |  |

## Statistical analyses

|  |   |
|--|---|
| <b>Statistical analysis title</b>  | Primary analysis                        |
| Statistical analysis description:<br>The primary efficacy endpoint was the absence of clinical anastomotic leak (success) within 40 days post operatively. |   |
| Comparison groups  | Evicel Randomized v Standard of care    |
| Number of subjects included in analysis  | 173                                     |
| Analysis specification   | Pre-specified                           |
| Analysis type  | superiority                             |
| P-value  | = 0.276                                 |
| Method   | Test of natural logarithm of odds ratio |

### Secondary: Incidence of clinical anastomotic leak up to post operative day 90

|                 |   |
|-----------------|---|
| End point title | Incidence of clinical anastomotic leak up to post operative day 90 <sup>[2]</sup> |
|-----------------|---|

End point description:

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

End point timeframe:

Up to 90 days

Notes:

[2] - 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: Statistical data was provided for all the arms. The endpoint efficacy analysis was conducted using the intent-to-treat (ITT) set according to the protocol. The ITT included only all randomized subjects. Safety analysis set included all patients in the trial, which included non-randomized run-in patients.

| <b>End point values</b>     | Evicel Randomized | Standard of care |  |  |
|-----------------------------|-------------------|------------------|--|--|
| Subject group type          | Reporting group   | Reporting group  |  |  |
| Number of subjects analysed | 84                | 89               |  |  |
| Units: Leaks                | 9                 | 6                |  |  |

## Statistical analyses

No statistical analyses for this end point

### Secondary: Incidence of stricture up to post operative day 90

|                 |   |
|-----------------|---|
| End point title | Incidence of stricture up to post operative day 90 <sup>[3]</sup> |
|-----------------|---|

End point description:

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

End point timeframe:

Up to 90 days

Notes:

[3] - 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: Statistical data was provided for all the arms. The endpoint efficacy analysis was conducted using the intent-to-treat (ITT) set according to the protocol. The ITT included only all randomized subjects. Safety analysis set included all patients in the trial, which included non-randomized run-in patients.

| <b>End point values</b>     | Evicel<br>Randomized | Standard of<br>care |  |  |
|-----------------------------|----------------------|---------------------|--|--|
| Subject group type          | Reporting group      | Reporting group     |  |  |
| Number of subjects analysed | 84                   | 89                  |  |  |
| Units: Number of strictures | 2                    | 3                   |  |  |

### Statistical analyses

No statistical analyses for this end point

### Secondary: Incidence of post operative intervention related to clinical anastomotic leak or stricture up to post operative day 90

|                 |   |
|-----------------|---|
| End point title | Incidence of post operative intervention related to clinical anastomotic leak or stricture up to post operative day 90 <sup>[4]</sup> |
|-----------------|---|

End point description:

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

End point timeframe:

Up to 90 days

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: Statistical data was provided for all the arms. The endpoint efficacy analysis was conducted using the intent-to-treat (ITT) set according to the protocol. The ITT included only all randomized subjects. Safety analysis set included all patients in the trial, which included non-randomized run-in patients.

| <b>End point values</b>                       | Evicel<br>Randomized | Standard of<br>care |  |  |
|---|----------------------|---------------------|--|--|
| Subject group type                            | Reporting group      | Reporting group     |  |  |
| Number of subjects analysed                   | 84                   | 89                  |  |  |
| Units: No. of subjects requiring intervention | 9                    | 6                   |  |  |

### Statistical analyses

No statistical analyses for this end point

## Adverse events

### Adverse events information

Timeframe for reporting adverse events:

AEs were collected from the start of randomisation during the procedure, throughout the hospital admission, and until completion of the 90 day follow up visit (with the exception of incidence of stricture which was assessed up to Day 360)

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

### Dictionary used

|                    |        |
|--------------------|--------|
| Dictionary name    | MedDRA |
| Dictionary version | 15.0   |

### Reporting groups

|                                |                                      |
|--------------------------------|--------------------------------------|
| Reporting group title          | EVICEL Fibrin Sealant :Randomized    |
| Reporting group description: - |                                      |
| Reporting group title          | Standard of Care                     |
| Reporting group description: - |                                      |
| Reporting group title          | EVICEL Fibrin Sealant Non Randomized |
| Reporting group description: - |                                      |

| <b>Serious adverse events</b>                                       | EVICEL Fibrin Sealant :Randomized | Standard of Care | EVICEL Fibrin Sealant Non Randomized |
|---|-----------------------------------|------------------|--------------------------------------|
| Total subjects affected by serious adverse events                   |                                   |                  |                                      |
| subjects affected / exposed   | 25 / 84 (29.76%)                  | 22 / 89 (24.72%) | 10 / 41 (24.39%)                     |
| number of deaths (all causes)                                       | 1                                 | 0                | 0                                    |
| number of deaths resulting from adverse events                      | 0                                 | 0                | 0                                    |
| Neoplasms benign, malignant and unspecified (incl cysts and polyps) |                                   |                  |                                      |
| Breast cancer   |                                   |                  |                                      |
| subjects affected / exposed   | 0 / 84 (0.00%)                    | 1 / 89 (1.12%)   | 0 / 41 (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                                |
| Urethral cancer   |                                   |                  |                                      |
| subjects affected / exposed   | 0 / 84 (0.00%)                    | 1 / 89 (1.12%)   | 0 / 41 (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                                |
| Surgical and medical procedures                                     |                                   |                  |                                      |
| Abscess drainage  |                                   |                  |                                      |
| subjects affected / exposed   | 0 / 84 (0.00%)                    | 1 / 89 (1.12%)   | 0 / 41 (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                                |

|  |                |                |                |
|--|----------------|----------------|----------------|
| General disorders and administration site conditions |                |                |                |
| Chest pain   |                |                |                |
| subjects affected / exposed                          | 0 / 84 (0.00%) | 0 / 89 (0.00%) | 1 / 41 (2.44%) |
| occurrences causally related to treatment / all      | 0 / 0          | 0 / 0          | 0 / 1          |
| deaths causally related to treatment / all           | 0 / 0          | 0 / 0          | 0 / 0          |
| Pyrexia  |                |                |                |
| subjects affected / exposed                          | 2 / 84 (2.38%) | 0 / 89 (0.00%) | 0 / 41 (0.00%) |
| occurrences causally related to treatment / all      | 0 / 2          | 0 / 0          | 0 / 0          |
| deaths causally related to treatment / all           | 0 / 0          | 0 / 0          | 0 / 0          |
| Reproductive system and breast disorders             |                |                |                |
| Benign prostatic hyperplasia                         |                |                |                |
| subjects affected / exposed                          | 1 / 84 (1.19%) | 0 / 89 (0.00%) | 0 / 41 (0.00%) |
| occurrences causally related to treatment / all      | 0 / 1          | 0 / 0          | 0 / 0          |
| deaths causally related to treatment / all           | 0 / 0          | 0 / 0          | 0 / 0          |
| Respiratory, thoracic and mediastinal disorders      |                |                |                |
| Pelvic haematoma                                     |                |                |                |
| subjects affected / exposed                          | 0 / 84 (0.00%) | 0 / 89 (0.00%) | 1 / 41 (2.44%) |
| occurrences causally related to treatment / all      | 0 / 0          | 0 / 0          | 0 / 1          |
| deaths causally related to treatment / all           | 0 / 0          | 0 / 0          | 0 / 0          |
| Bronchial secretion retention                        |                |                |                |
| subjects affected / exposed                          | 1 / 84 (1.19%) | 0 / 89 (0.00%) | 0 / 41 (0.00%) |
| occurrences causally related to treatment / all      | 0 / 1          | 0 / 0          | 0 / 0          |
| deaths causally related to treatment / all           | 0 / 0          | 0 / 0          | 0 / 0          |
| Hiccups  |                |                |                |
| subjects affected / exposed                          | 0 / 84 (0.00%) | 1 / 89 (1.12%) | 0 / 41 (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          |
| Pleural effusion                                     |                |                |                |
| subjects affected / exposed                          | 0 / 84 (0.00%) | 1 / 89 (1.12%) | 0 / 41 (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          |
| Respiratory arrest                                   |                |                |                |

|   |                 |                |                |
|---|-----------------|----------------|----------------|
| subjects affected / exposed                           | 0 / 84 (0.00%)  | 1 / 89 (1.12%) | 0 / 41 (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          |
| <b>Respiratory failure</b>                            |                 |                |                |
| subjects affected / exposed                           | 1 / 84 (1.19%)  | 1 / 89 (1.12%) | 0 / 41 (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          |
| <b>Psychiatric disorders</b>                          |                 |                |                |
| <b>Confusional state</b>                              |                 |                |                |
| subjects affected / exposed                           | 0 / 84 (0.00%)  | 0 / 89 (0.00%) | 1 / 41 (2.44%) |
| occurrences causally related to treatment / all       | 0 / 0           | 0 / 0          | 0 / 1          |
| deaths causally related to treatment / all            | 0 / 0           | 0 / 0          | 0 / 0          |
| <b>Depression</b>                                     |                 |                |                |
| subjects affected / exposed                           | 1 / 84 (1.19%)  | 0 / 89 (0.00%) | 1 / 41 (2.44%) |
| occurrences causally related to treatment / all       | 0 / 1           | 0 / 0          | 0 / 1          |
| deaths causally related to treatment / all            | 0 / 0           | 0 / 0          | 0 / 0          |
| <b>Investigations</b>                                 |                 |                |                |
| <b>Blood magnesium decreased</b>                      |                 |                |                |
| subjects affected / exposed                           | 0 / 84 (0.00%)  | 1 / 89 (1.12%) | 0 / 41 (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          |
| <b>Injury, poisoning and procedural complications</b> |                 |                |                |
| <b>Anastomotic haemorrhage</b>                        |                 |                |                |
| subjects affected / exposed                           | 0 / 84 (0.00%)  | 1 / 89 (1.12%) | 0 / 41 (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          |
| <b>Anastomotic leak</b>                               |                 |                |                |
| subjects affected / exposed                           | 9 / 84 (10.71%) | 6 / 89 (6.74%) | 3 / 41 (7.32%) |
| occurrences causally related to treatment / all       | 9 / 9           | 0 / 6          | 3 / 3          |
| deaths causally related to treatment / all            | 0 / 0           | 0 / 0          | 0 / 0          |
| <b>Anastomotic stenosis</b>                           |                 |                |                |
| subjects affected / exposed                           | 1 / 84 (1.19%)  | 0 / 89 (0.00%) | 0 / 41 (0.00%) |
| occurrences causally related to treatment / all       | 1 / 1           | 0 / 0          | 0 / 0          |
| deaths causally related to treatment / all            | 0 / 0           | 0 / 0          | 0 / 0          |

|   |                |                |                |
|---|----------------|----------------|----------------|
| Intestinal anastomosis complication             |                |                |                |
| subjects affected / exposed                     | 0 / 84 (0.00%) | 1 / 89 (1.12%) | 0 / 41 (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          |
| Postoperative ileus                             |                |                |                |
| subjects affected / exposed                     | 0 / 84 (0.00%) | 3 / 89 (3.37%) | 0 / 41 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0          | 0 / 3          | 0 / 0          |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          | 0 / 0          |
| Wound complication                              |                |                |                |
| subjects affected / exposed                     | 1 / 84 (1.19%) | 0 / 89 (0.00%) | 0 / 41 (0.00%) |
| occurrences causally related to treatment / all | 0 / 1          | 0 / 0          | 0 / 0          |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          | 0 / 0          |
| Wound dehiscence                                |                |                |                |
| subjects affected / exposed                     | 0 / 84 (0.00%) | 1 / 89 (1.12%) | 0 / 41 (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          |
| Wound evisceration                              |                |                |                |
| subjects affected / exposed                     | 0 / 84 (0.00%) | 1 / 89 (1.12%) | 0 / 41 (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          |
| Cardiac disorders                               |                |                |                |
| Acute myocardial infarction                     |                |                |                |
| subjects affected / exposed                     | 1 / 84 (1.19%) | 0 / 89 (0.00%) | 0 / 41 (0.00%) |
| occurrences causally related to treatment / all | 0 / 1          | 0 / 0          | 0 / 0          |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          | 0 / 0          |
| Angina unstable                                 |                |                |                |
| subjects affected / exposed                     | 1 / 84 (1.19%) | 0 / 89 (0.00%) | 0 / 41 (0.00%) |
| occurrences causally related to treatment / all | 0 / 1          | 0 / 0          | 0 / 0          |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          | 0 / 0          |
| Atrioventricular block complete                 |                |                |                |
| subjects affected / exposed                     | 0 / 84 (0.00%) | 0 / 89 (0.00%) | 1 / 41 (2.44%) |
| occurrences causally related to treatment / all | 0 / 0          | 0 / 0          | 0 / 1          |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          | 0 / 0          |
| Cardiac arrest                                  |                |                |                |

|   |                |                |                |
|---|----------------|----------------|----------------|
| subjects affected / exposed                     | 1 / 84 (1.19%) | 0 / 89 (0.00%) | 0 / 41 (0.00%) |
| occurrences causally related to treatment / all | 0 / 1          | 0 / 0          | 0 / 0          |
| deaths causally related to treatment / all      | 0 / 1          | 0 / 0          | 0 / 0          |
| <b>Nervous system disorders</b>                 |                |                |                |
| Critical illness polyneuropathy                 |                |                |                |
| subjects affected / exposed                     | 0 / 84 (0.00%) | 1 / 89 (1.12%) | 0 / 41 (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          |
| <b>Gastrointestinal disorders</b>               |                |                |                |
| Abdominal pain                                  |                |                |                |
| subjects affected / exposed                     | 1 / 84 (1.19%) | 0 / 89 (0.00%) | 0 / 41 (0.00%) |
| occurrences causally related to treatment / all | 0 / 1          | 0 / 0          | 0 / 0          |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          | 0 / 0          |
| Colitis   |                |                |                |
| subjects affected / exposed                     | 0 / 84 (0.00%) | 1 / 89 (1.12%) | 0 / 41 (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          |
| Constipation                                    |                |                |                |
| subjects affected / exposed                     | 1 / 84 (1.19%) | 0 / 89 (0.00%) | 0 / 41 (0.00%) |
| occurrences causally related to treatment / all | 0 / 1          | 0 / 0          | 0 / 0          |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          | 0 / 0          |
| Diarrhoea                                       |                |                |                |
| subjects affected / exposed                     | 1 / 84 (1.19%) | 0 / 89 (0.00%) | 0 / 41 (0.00%) |
| occurrences causally related to treatment / all | 0 / 1          | 0 / 0          | 0 / 0          |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          | 0 / 0          |
| Enterocutaneous fistula                         |                |                |                |
| subjects affected / exposed                     | 0 / 84 (0.00%) | 1 / 89 (1.12%) | 0 / 41 (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          |
| Ileus   |                |                |                |
| subjects affected / exposed                     | 3 / 84 (3.57%) | 2 / 89 (2.25%) | 0 / 41 (0.00%) |
| occurrences causally related to treatment / all | 0 / 3          | 0 / 2          | 0 / 0          |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          | 0 / 0          |
| Ileus paralytic                                 |                |                |                |

|   |                |                |                |
|---|----------------|----------------|----------------|
| subjects affected / exposed                     | 1 / 84 (1.19%) | 1 / 89 (1.12%) | 0 / 41 (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          |
| <b>Intestinal obstruction</b>                   |                |                |                |
| subjects affected / exposed                     | 0 / 84 (0.00%) | 1 / 89 (1.12%) | 0 / 41 (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          |
| <b>Intestinal perforation</b>                   |                |                |                |
| subjects affected / exposed                     | 0 / 84 (0.00%) | 1 / 89 (1.12%) | 0 / 41 (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          |
| <b>Rectal haemorrhage</b>                       |                |                |                |
| subjects affected / exposed                     | 0 / 84 (0.00%) | 0 / 89 (0.00%) | 1 / 41 (2.44%) |
| occurrences causally related to treatment / all | 0 / 0          | 0 / 0          | 0 / 1          |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          | 0 / 0          |
| <b>Small intestinal obstruction</b>             |                |                |                |
| subjects affected / exposed                     | 0 / 84 (0.00%) | 2 / 89 (2.25%) | 0 / 41 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0          | 0 / 2          | 0 / 0          |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          | 0 / 0          |
| <b>Small intestinal perforation</b>             |                |                |                |
| subjects affected / exposed                     | 0 / 84 (0.00%) | 1 / 89 (1.12%) | 1 / 41 (2.44%) |
| occurrences causally related to treatment / all | 0 / 0          | 0 / 1          | 0 / 1          |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          | 0 / 0          |
| <b>Hepatobiliary disorders</b>                  |                |                |                |
| <b>Portal vein thrombosis</b>                   |                |                |                |
| subjects affected / exposed                     | 0 / 84 (0.00%) | 1 / 89 (1.12%) | 0 / 41 (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          |
| <b>Skin and subcutaneous tissue disorders</b>   |                |                |                |
| <b>Rash maculo-papular</b>                      |                |                |                |
| subjects affected / exposed                     | 1 / 84 (1.19%) | 0 / 89 (0.00%) | 0 / 41 (0.00%) |
| occurrences causally related to treatment / all | 1 / 1          | 0 / 0          | 0 / 0          |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          | 0 / 0          |
| <b>Renal and urinary disorders</b>              |                |                |                |

|   |                |                |                |
|---|----------------|----------------|----------------|
| renal failure acute                             |                |                |                |
| subjects affected / exposed                     | 1 / 84 (1.19%) | 1 / 89 (1.12%) | 0 / 41 (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          |
| Ureteric stenosis                               |                |                |                |
| subjects affected / exposed                     | 1 / 84 (1.19%) | 0 / 89 (0.00%) | 0 / 41 (0.00%) |
| occurrences causally related to treatment / all | 0 / 1          | 0 / 0          | 0 / 0          |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          | 0 / 0          |
| Urethral stenosis                               |                |                |                |
| subjects affected / exposed                     | 1 / 84 (1.19%) | 0 / 89 (0.00%) | 0 / 41 (0.00%) |
| occurrences causally related to treatment / all | 0 / 1          | 0 / 0          | 0 / 0          |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          | 0 / 0          |
| Infections and infestations                     |                |                |                |
| Abdominal infection                             |                |                |                |
| subjects affected / exposed                     | 0 / 84 (0.00%) | 0 / 89 (0.00%) | 1 / 41 (2.44%) |
| occurrences causally related to treatment / all | 0 / 0          | 0 / 0          | 1 / 1          |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          | 0 / 0          |
| Abdominal sepsis                                |                |                |                |
| subjects affected / exposed                     | 2 / 84 (2.38%) | 2 / 89 (2.25%) | 1 / 41 (2.44%) |
| occurrences causally related to treatment / all | 2 / 2          | 0 / 2          | 0 / 1          |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          | 0 / 0          |
| Abscess   |                |                |                |
| subjects affected / exposed                     | 1 / 84 (1.19%) | 0 / 89 (0.00%) | 0 / 41 (0.00%) |
| occurrences causally related to treatment / all | 1 / 1          | 0 / 0          | 0 / 0          |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          | 0 / 0          |
| Cellulitis                                      |                |                |                |
| subjects affected / exposed                     | 0 / 84 (0.00%) | 1 / 89 (1.12%) | 0 / 41 (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          |
| Endocarditis                                    |                |                |                |
| subjects affected / exposed                     | 0 / 84 (0.00%) | 0 / 89 (0.00%) | 1 / 41 (2.44%) |
| occurrences causally related to treatment / all | 0 / 0          | 0 / 0          | 0 / 1          |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          | 0 / 0          |
| Gastroenteritis                                 |                |                |                |

|   |                |                |                |
|---|----------------|----------------|----------------|
| subjects affected / exposed                     | 1 / 84 (1.19%) | 0 / 89 (0.00%) | 0 / 41 (0.00%) |
| occurrences causally related to treatment / all | 0 / 1          | 0 / 0          | 0 / 0          |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          | 0 / 0          |
| <b>Haematoma infection</b>                      |                |                |                |
| subjects affected / exposed                     | 1 / 84 (1.19%) | 0 / 89 (0.00%) | 0 / 41 (0.00%) |
| occurrences causally related to treatment / all | 0 / 1          | 0 / 0          | 0 / 0          |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          | 0 / 0          |
| <b>infectious peritonitis</b>                   |                |                |                |
| subjects affected / exposed                     | 2 / 84 (2.38%) | 0 / 89 (0.00%) | 0 / 41 (0.00%) |
| occurrences causally related to treatment / all | 2 / 2          | 0 / 0          | 0 / 0          |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          | 0 / 0          |
| <b>Liver abscess</b>                            |                |                |                |
| subjects affected / exposed                     | 1 / 84 (1.19%) | 0 / 89 (0.00%) | 0 / 41 (0.00%) |
| occurrences causally related to treatment / all | 0 / 1          | 0 / 0          | 0 / 0          |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          | 0 / 0          |
| <b>Necrotising fasciitis</b>                    |                |                |                |
| subjects affected / exposed                     | 0 / 84 (0.00%) | 1 / 89 (1.12%) | 0 / 41 (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          |
| <b>Pelvic abscess</b>                           |                |                |                |
| subjects affected / exposed                     | 2 / 84 (2.38%) | 2 / 89 (2.25%) | 0 / 41 (0.00%) |
| occurrences causally related to treatment / all | 2 / 2          | 0 / 2          | 0 / 0          |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          | 0 / 0          |
| <b>Peritonitis</b>                              |                |                |                |
| subjects affected / exposed                     | 2 / 84 (2.38%) | 3 / 89 (3.37%) | 0 / 41 (0.00%) |
| occurrences causally related to treatment / all | 2 / 2          | 0 / 3          | 0 / 0          |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          | 0 / 0          |
| <b>Pyelonephritis</b>                           |                |                |                |
| subjects affected / exposed                     | 0 / 84 (0.00%) | 1 / 89 (1.12%) | 0 / 41 (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          |
| <b>Pyelonephritis acute</b>                     |                |                |                |

|   |                |                |                |
|---|----------------|----------------|----------------|
| subjects affected / exposed                     | 0 / 84 (0.00%) | 0 / 89 (0.00%) | 1 / 41 (2.44%) |
| occurrences causally related to treatment / all | 0 / 0          | 0 / 0          | 0 / 1          |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          | 0 / 0          |
| Urinary tract infection                         |                |                |                |
| subjects affected / exposed                     | 0 / 84 (0.00%) | 3 / 89 (3.37%) | 0 / 41 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0          | 0 / 3          | 0 / 0          |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          | 0 / 0          |
| Metabolism and nutrition disorders              |                |                |                |
| Dehydration                                     |                |                |                |
| subjects affected / exposed                     | 0 / 84 (0.00%) | 1 / 89 (1.12%) | 0 / 41 (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: 5 %

| <b>Non-serious adverse events</b>                     | EVICEL Fibrin Sealant :Randomized | Standard of Care | EVICEL Fibrin Sealant Non Randomized |
|---|-----------------------------------|------------------|--------------------------------------|
| Total subjects affected by non-serious adverse events |                                   |                  |                                      |
| subjects affected / exposed                           | 81 / 84 (96.43%)                  | 83 / 89 (93.26%) | 41 / 41 (100.00%)                    |
| Vascular disorders                                    |                                   |                  |                                      |
| Hypertension  |                                   |                  |                                      |
| subjects affected / exposed                           | 4 / 84 (4.76%)                    | 9 / 89 (10.11%)  | 3 / 41 (7.32%)                       |
| occurrences (all)                                     | 4                                 | 11               | 3                                    |
| Hypotension   |                                   |                  |                                      |
| subjects affected / exposed                           | 13 / 84 (15.48%)                  | 16 / 89 (17.98%) | 5 / 41 (12.20%)                      |
| occurrences (all)                                     | 16                                | 21               | 5                                    |
| General disorders and administration site conditions  |                                   |                  |                                      |
| Fatigue   |                                   |                  |                                      |
| subjects affected / exposed                           | 7 / 84 (8.33%)                    | 3 / 89 (3.37%)   | 4 / 41 (9.76%)                       |
| occurrences (all)                                     | 7                                 | 4                | 7                                    |
| Pain  |                                   |                  |                                      |
| subjects affected / exposed                           | 5 / 84 (5.95%)                    | 10 / 89 (11.24%) | 5 / 41 (12.20%)                      |
| occurrences (all)                                     | 7                                 | 10               | 6                                    |
| Pyrexia   |                                   |                  |                                      |

|  |                        |                        |                       |
|--|------------------------|------------------------|-----------------------|
| subjects affected / exposed<br>occurrences (all) | 15 / 84 (17.86%)<br>18 | 17 / 89 (19.10%)<br>23 | 9 / 41 (21.95%)<br>12 |
| Respiratory, thoracic and mediastinal disorders  |                        |                        |                       |
| Cough  |                        |                        |                       |
| subjects affected / exposed                      | 5 / 84 (5.95%)         | 3 / 89 (3.37%)         | 1 / 41 (2.44%)        |
| occurrences (all)                                | 5                      | 3                      | 1                     |
| Pleural effusion                                 |                        |                        |                       |
| subjects affected / exposed                      | 1 / 84 (1.19%)         | 5 / 89 (5.62%)         | 2 / 41 (4.88%)        |
| occurrences (all)                                | 1                      | 5                      | 2                     |
| Psychiatric disorders                            |                        |                        |                       |
| Anxiety  |                        |                        |                       |
| subjects affected / exposed                      | 5 / 84 (5.95%)         | 3 / 89 (3.37%)         | 2 / 41 (4.88%)        |
| occurrences (all)                                | 5                      | 3                      | 2                     |
| Insomnia   |                        |                        |                       |
| subjects affected / exposed                      | 7 / 84 (8.33%)         | 7 / 89 (7.87%)         | 6 / 41 (14.63%)       |
| occurrences (all)                                | 7                      | 8                      | 8                     |
| Investigations                                   |                        |                        |                       |
| C-reactive protein increased                     |                        |                        |                       |
| subjects affected / exposed                      | 4 / 84 (4.76%)         | 6 / 89 (6.74%)         | 0 / 41 (0.00%)        |
| occurrences (all)                                | 4                      | 6                      | 0                     |
| Oxygen saturation decreased                      |                        |                        |                       |
| subjects affected / exposed                      | 6 / 84 (7.14%)         | 1 / 89 (1.12%)         | 1 / 41 (2.44%)        |
| occurrences (all)                                | 6                      | 1                      | 2                     |
| Urine output decreased                           |                        |                        |                       |
| subjects affected / exposed                      | 7 / 84 (8.33%)         | 10 / 89 (11.24%)       | 2 / 41 (4.88%)        |
| occurrences (all)                                | 9                      | 11                     | 2                     |
| White blood cell count increased                 |                        |                        |                       |
| subjects affected / exposed                      | 5 / 84 (5.95%)         | 2 / 89 (2.25%)         | 1 / 41 (2.44%)        |
| occurrences (all)                                | 6                      | 3                      | 1                     |
| Injury, poisoning and procedural complications   |                        |                        |                       |
| Anastomotic leak                                 |                        |                        |                       |
| subjects affected / exposed                      | 9 / 84 (10.71%)        | 6 / 89 (6.74%)         | 3 / 41 (7.32%)        |
| occurrences (all)                                | 9                      | 6                      | 3                     |
| Incision site pain                               |                        |                        |                       |
| subjects affected / exposed                      | 3 / 84 (3.57%)         | 3 / 89 (3.37%)         | 6 / 41 (14.63%)       |
| occurrences (all)                                | 4                      | 3                      | 7                     |

|  |                        |                        |                        |
|--|------------------------|------------------------|------------------------|
| Procedural pain<br>subjects affected / exposed<br>occurrences (all)                                    | 19 / 84 (22.62%)<br>20 | 17 / 89 (19.10%)<br>19 | 6 / 41 (14.63%)<br>6   |
| Wound complication<br>subjects affected / exposed<br>occurrences (all)                                 | 5 / 84 (5.95%)<br>5    | 2 / 89 (2.25%)<br>2    | 0 / 41 (0.00%)<br>0    |
| Cardiac disorders<br>Tachycardia<br>subjects affected / exposed<br>occurrences (all)                   | 6 / 84 (7.14%)<br>7    | 12 / 89 (13.48%)<br>14 | 4 / 41 (9.76%)<br>6    |
| Ileus<br>subjects affected / exposed<br>occurrences (all)  | 6 / 84 (7.14%)<br>6    | 5 / 89 (5.62%)<br>5    | 1 / 41 (2.44%)<br>1    |
| Nervous system disorders<br>Dizziness<br>subjects affected / exposed<br>occurrences (all)              | 5 / 84 (5.95%)<br>5    | 9 / 89 (10.11%)<br>12  | 4 / 41 (9.76%)<br>5    |
| Peripheral sensory neuropathy<br>subjects affected / exposed<br>occurrences (all)                      | 3 / 84 (3.57%)<br>3    | 5 / 89 (5.62%)<br>6    | 2 / 41 (4.88%)<br>3    |
| Blood and lymphatic system disorders<br>Anaemia<br>subjects affected / exposed<br>occurrences (all)    | 3 / 84 (3.57%)<br>4    | 5 / 89 (5.62%)<br>5    | 4 / 41 (9.76%)<br>4    |
| Gastrointestinal disorders<br>Abdominal distension<br>subjects affected / exposed<br>occurrences (all) | 12 / 84 (14.29%)<br>14 | 17 / 89 (19.10%)<br>19 | 5 / 41 (12.20%)<br>6   |
| Abdominal pain<br>subjects affected / exposed<br>occurrences (all)                                     | 17 / 84 (20.24%)<br>20 | 17 / 89 (19.10%)<br>23 | 8 / 41 (19.51%)<br>8   |
| Constipation<br>subjects affected / exposed<br>occurrences (all)                                       | 14 / 84 (16.67%)<br>15 | 17 / 89 (19.10%)<br>19 | 11 / 41 (26.83%)<br>12 |
| Diarrhoea<br>subjects affected / exposed<br>occurrences (all)  | 11 / 84 (13.10%)<br>11 | 15 / 89 (16.85%)<br>18 | 8 / 41 (19.51%)<br>12  |

|  |                        |                        |                        |
|--|------------------------|------------------------|------------------------|
| Nausea<br>subjects affected / exposed<br>occurrences (all)   | 42 / 84 (50.00%)<br>63 | 47 / 89 (52.81%)<br>65 | 22 / 41 (53.66%)<br>43 |
| Proctalgia<br>subjects affected / exposed<br>occurrences (all)   | 3 / 84 (3.57%)<br>5    | 5 / 89 (5.62%)<br>5    | 1 / 41 (2.44%)<br>1    |
| Rectal haemorrhage<br>subjects affected / exposed<br>occurrences (all)                                       | 3 / 84 (3.57%)<br>3    | 5 / 89 (5.62%)<br>6    | 4 / 41 (9.76%)<br>4    |
| Vomiting<br>subjects affected / exposed<br>occurrences (all)   | 20 / 84 (23.81%)<br>29 | 22 / 89 (24.72%)<br>26 | 11 / 41 (26.83%)<br>14 |
| Skin and subcutaneous tissue disorders<br>Pruritus<br>subjects affected / exposed<br>occurrences (all)       | 9 / 84 (10.71%)<br>10  | 8 / 89 (8.99%)<br>8    | 6 / 41 (14.63%)<br>7   |
| Renal and urinary disorders<br>Dysuria<br>subjects affected / exposed<br>occurrences (all)                   | 3 / 84 (3.57%)<br>3    | 5 / 89 (5.62%)<br>5    | 2 / 41 (4.88%)<br>2    |
| Urinary retention<br>subjects affected / exposed<br>occurrences (all)  | 3 / 84 (3.57%)<br>3    | 5 / 89 (5.62%)<br>5    | 0 / 41 (0.00%)<br>0    |
| Infections and infestations<br>Urinary tract infection<br>subjects affected / exposed<br>occurrences (all)   | 5 / 84 (5.95%)<br>5    | 11 / 89 (12.36%)<br>15 | 1 / 41 (2.44%)<br>1    |
| Wound infection<br>subjects affected / exposed<br>occurrences (all)  | 2 / 84 (2.38%)<br>3    | 5 / 89 (5.62%)<br>5    | 4 / 41 (9.76%)<br>4    |
| Metabolism and nutrition disorders<br>Decreased appetite<br>subjects affected / exposed<br>occurrences (all) | 8 / 84 (9.52%)<br>10   | 6 / 89 (6.74%)<br>6    | 2 / 41 (4.88%)<br>2    |
| Hypokalaemia<br>subjects affected / exposed<br>occurrences (all)   | 5 / 84 (5.95%)<br>5    | 9 / 89 (10.11%)<br>11  | 5 / 41 (12.20%)<br>5   |



## More information

### Substantial protocol amendments (globally)

Were there any global substantial amendments to the protocol? Yes

| Date          | Amendment   |
|---------------|---|
| 07 March 2012 | 1) Clarity on measurement of level of anastomosis<br>2) Exclusion criteria updated<br>3) Stopping rules included                  |
| 09 May 2013   | Several protocol clarifications and expansion of visit windows to allow for standard follow up visits to align with study visits. |

Notes:

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### Interruptions (globally)

Were there any global interruptions to the trial? No

### Limitations and caveats

None reported