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The influence of two policies of closure of the laparotomy wound in the rate of surgical site infection in colorectal cancer surgery: the New Operation trial

Submission date 15/05/2009	**Recruitment status** No longer recruiting	[_] Prospectively registered [_] Protocol [_] Statistical analysis plan [X] Results [_] Individual participant data
Registration date 17/06/2009	**Overall study status** Completed	
Last Edited 05/04/2012	**Condition category** Cancer	

Plain English summary of protocol
Not provided at time of registration

Contact information

Type(s)
Scientific

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Additional identifiers

Protocol serial number
09/01; PI08/90196

Study information

Scientific Title
A prospective double blinded randomised multicentre trial of the influence of two policies of closure of the laparotomy wound in the rate of surgical site infection in colorectal cancer surgery

Acronym
NewOp

Study objectives
A decreased faecal load in the surgical wound diminished the incidence of surgical site infection.

Ethics approval required
Old ethics approval format

Ethics approval(s)
The Medical Ethics Committee of the Virgen del Camino Academic Medical Centre, Pamplona gave approval on the 7th May 2009 (ref: 6/2008). Under Spanish law, all other centres will be included under this approval.

Primary study design
Interventional

Study design
Prospective double blinded randomised multicentre trial

Study type(s)
Treatment

Health condition(s) or problem(s) studied
Colorectal cancer

Interventions
Control group: at the end of the operation the nurses and surgeons will change gloves, a new set of surgical instruments will be used and the surgical drapes surrounding the laparotomy will be changed.

Study group: at the end of the operation and before closing the laparotomy; the surgical assistant will retire all the surgical drapes and the surgeon will retire the plastic coverage of the wound and the wound will be covered with a povidone-soaked gauze. Nurse and surgical teams will scrub again and the surgical instruments will be changed.

Total duration of follow-up: one month after the recruitment of the last patient.

Intervention Type
Other

Phase
Not Applicable

Primary outcome(s)
Incidence of surgical site infection. The criteria to define surgical site infection are described by Disease Control and Prevention National Healthcare Safety Network (Spain). For the purposes of

this study superficial and deep wound infections would be considered as a unique entity condition. This will be measured 30 days after the operation.

Key secondary outcome(s)
The relationship between wound infection rate and the following variables:
1. Age
2. Sex
3. Location of the tumour (colon/rectum)
4. TNM stage
5. Obesity
6. Level of glucose
7. Long course radiotherapy

Measured 30 days after the operation.

Completion date
01/06/2011

Eligibility

Key inclusion criteria
1. Aged above 18 years, either sex
2. Colon and rectal cancer

Participant type(s)
Patient

Healthy volunteers allowed
No

Age group
Adult

Lower age limit
18 Years

Sex
All

Key exclusion criteria
1. Before the enrolment: emergency surgery
2. At enrolment:
2.1. Not willing to participate
2.2. Non-resectable tumours
2.3. Multi-visceral resection planned
2.4. Recurrence of colon or rectal carcinoma
2.5. Laparoscopic abdominoperineal resection
2.6. Patients programmed to place a mesh simultaneously for an incisional hernia
3. At allocation:
3.1. Non-resectable tumours

3.2. The surgeon decides to prescribe antibiotics due to faecal contamination during operation
3.3. Any violation of the protocol
4. At follow-up:
4.1. Peri-operative mortality
4.2. Patients reoperated for any reason in the first 30 days after primary surgery
4.3. Patients with an organ/space infection draining through the wound
4.4. Patients not followed for at least 30 days after surgery

Date of first enrolment
01/06/2009

Date of final enrolment
01/06/2011

Locations

Countries of recruitment
Spain

Study participating centre
Hospital Virgen del Camino
Pamplona
Spain
31008

Sponsor information

Organisation
Carlos III Institute of Health (Instituto de Salud Carlos III) (Spain)

ROR
https://ror.org/00ca2c886

Funder(s)

Funder type
Research council

Funder Name
Spanish National Research Council (Consejo Superior de Investigaciones Cientificas [CSIC]) (Spain)

Alternative Name(s)

Spanish National Research Council, El CSIC, The Spanish National Research Council, El Consejo Superior de Investigaciones Científicas (CSIC), CSIC, elcsic

Funding Body Type
Government organisation

Funding Body Subtype
National government

Location
Spain

Results and Publications

Individual participant data (IPD) sharing plan

IPD sharing plan summary

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Results article	results	01/07/2012		Yes	No