

# Beneficial effects of thoracic epidural anaesthesia on mortality after surgery for colon cancer

<b>Submission date</b> 25/05/2019	<b>Recruitment status</b> No longer recruiting	<input type="checkbox"/> Prospectively registered
		<input type="checkbox"/> Protocol
<b>Registration date</b> 07/06/2019	<b>Overall study status</b> Completed	<input type="checkbox"/> Statistical analysis plan
		<input type="checkbox"/> Results
<b>Last Edited</b> 29/08/2019	<b>Condition category</b> Surgery	<input type="checkbox"/> Individual participant data
		<input type="checkbox"/> Record updated in last year

## Plain English summary of protocol

### Background and study aims

Perioperative use of epidural analgesia reduces the 36-month postoperative mortality rate. This effect may be due to systemic effects of local anaesthetics or to a reduced stress response caused by the thoracic epidural analgesia itself.

### Who can participate?

Patients scheduled to undergo elective open colon cancer surgery.

### What does the study involve?

Patients records are followed up over a 4 year period following surgery.

### What are the possible benefits and risks of participating?

None.

### Where is the study run from?

Marienhospital Vechta gGmbH, Germany.

### When is the study starting and how long is it expected to run for?

January 1997 to December 2015

### Who is funding the study?

The study is funded by the investigator.

### Who is the main contact?

Dr Christian Hönemann,  
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## Contact information

Type(s)

Scientific

**Contact name**

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## **Additional identifiers**

**Clinical Trials Information System (CTIS)**

Nil known

**ClinicalTrials.gov (NCT)**

Nil known

**Protocol serial number**

MarienVEC\_12

## **Study information**

**Scientific Title**

Epidural anaesthesia reduces mortality after colon cancer surgery

**Acronym**

EARMAC

**Study objectives**

Epidural anaesthesia reduces mortality after colon cancer surgery

**Ethics approval required**

Old ethics approval format

**Ethics approval(s)**

Approved DATE, Ethikkommission der Ärztekammer Niedersachsen (Ethical Committee of the Ärztekammer Niedersachsen, ÄKN Ethikkommission, Berliner Allee 20, 30175 Hannover, Germany; 05113802208; ethikkommission@aekn.de), ref:

**Study design**

Observational study

**Primary study design**

Observational

**Study type(s)**

Other

**Health condition(s) or problem(s) studied**

Patients with elective colon cancer surgery

**Interventions**

Patient records were used to follow-up on outcomes over 4 years for patients who had undergone elective colon cancer surgery with or without thoracic epidural anesthesia/analgesia.

**Intervention Type**

Other

**Primary outcome(s)**

Mortality, measured by review of patient charts and a database of a local cancer database in Oldenburg, Germany

**Key secondary outcome(s)**

1. Perioperative complications
2. Stroke
3. Myocardial infarction
4. Blood transfusion
5. Duration of stay

All measured by review of patient charts and a database of a local cancer database in Oldenburg, Germany

**Completion date**

31/12/2015

**Eligibility**

**Key inclusion criteria**

Scheduled to undergo elective open colon cancer surgery

**Participant type(s)**

Patient

**Healthy volunteers allowed**

No

**Age group**

Adult

**Sex**

All

**Key exclusion criteria**

1. Non elective surgery
2. Laparoscopic surgery

**Date of first enrolment**

01/01/1997

**Date of final enrolment**

31/12/2007

## Locations

**Countries of recruitment**

Germany

**Study participating centre**

Marienhospital Vechta gGmbH

Marienstraße 6-8

Vechhta

Germany

49377

## Sponsor information

**Organisation**

Marienhospital Vechta gGmbH

## Funder(s)

**Funder type**

Other

**Funder Name**

Investigator initiated and funded

## Results and Publications

**Individual participant data (IPD) sharing plan**

The datasets generated during and/or analysed during the current study are available from the corresponding author on reasonable request

## **IPD sharing plan summary**

Available on request