# Scandinavian Diverticulitis Trial – SCANDIV

a randomized prospective multicenter trial

Laparoscopic lavage vs. primary resection as treatment for perforated diverticulitis

# Patient registration form (3pages)

**Hospital:**

**Surgeon`s name:**

Patient no. according to randomisation:
Year of birth (also not included pat.):
Male ☐ Female ☐

**Admission:** date: dd /mm -20 approximate time: h : min **Weight :** **kg**
**Symptom debut:** date: dd /mm -20 approximate time: h : min **Height :** **cm**

**ASA score** 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐
*degree of systemic disease*: *1 =none 2= mild 3 =severe 4 =life threatening 5 =moribund patient*

**Previous diverticulitis:** None ☐ Single ☐ Multiple ☐

**Previous abdominal surgery:** None ☐ Single ☐ Multiple ☐
If yes: Year(s) _____ Cause _____ Type of surgery _____
_____

## Co-morbidity

**None** ☐

| | | | |
|---|---|---|---|
| Ischemic heart disease/ Heart failure | ☐ | Immunodeficiency, Chronic Hepatitis | ☐ |
| Chronic obstructive lung disease /Asthma | ☐ | Cigarette Smoking (>10 /day) | ☐ |
| Uraemia demanding dialysis | ☐ | Anti-inflammatory medication | ☐ |
| Insulin treated diabetes | ☐ | (steroids, anti-TNF) | |
| Active malignancy | ☐ | Alcoholism, Drug abuse | ☐ |

Other co-morbidity ☐ Type: _____

Comments: _____

## Inclusion criteria

| | | |
|---|---|---|
| **Clinical suspicion of perforated diverticulitis indicating surgery** | Yes ☐ | No ☐ |
| **Free air and diverticulitis findings on CT scan** | Yes ☐ | No ☐ |
| **Age above 18 years** | Yes ☐ | No ☐ |
| **Patient tolerates general anaesthesia** | Yes ☐ | No ☐ |
| **Written consent given** | Yes ☐ | No ☐ |

## Exclusion criteria

| | | |
|---|---|---|
| **Pregnant** | Yes ☐ | No ☐ |
| **Bowel obstruction** | Yes ☐ | No ☐ |

Principal investigator: Professor Tom Øresland, Tel: +47-41327475 E-mail: tom.oresland@medisin.uio.no
Research fellow: Johannes Schultz, Tel:+47-99546005, E-mail: johannes.kurt.schultz@ahus.no
Akershus University Hospital, Tel: 02900 from abroad: +47-91502900

## Randomization (the patient is not to be informed about the result of randomization before the operation)

**Patient meets criteria for inclusion:** Yes ☐ No ☐
**Patient included:** Yes ☐ No ☐
Reason if no: _____
**Randomized to**: Primary resection ☐ Laparoscopic peritoneal lavage ☐

## Antibiotic treatment

**Start of antibiotic treatment:** preoperative ☐ peroperative ☐ postoperative ☐
Type of antibiotics given: _____
Comments: _____

## Peroperative phase

**Operation start:** date: dd /mm -20 time: h : min
**Operation end:** date: dd /mm -20 time: h : min

**Hinchey grade of peritonitis:**

**Hinchey grade:** I ☐ IIa ☐ IIb ☐ III ☐ IV ☐
Comments:_____

| Grade | Definition |
|---|---|
| I | Pericolic abscess |
| IIa | Distant abscess amendable to percutaneous drainage |
| IIb | Complex abscess associated with fistula |
| III | Generalized purulent peritonitis |
| IV | Faecal peritonitis |

**Amount of saline** used for rinsing of the abdominal cavity (minimum 4 litres)**:**

**Procedure:** Hartmann`s procedure ☐
Resection and anastomosis ☐ Defunctioning stoma Yes ☐ No ☐
Laparoscopic Peritoneal lavage ☐
Other ☐
Reason if not operated according to randomization: _____
_____

**Peroperative complications:** Yes ☐ No ☐
If yes, specify:_____
**Epidural anaesthesia:** Yes ☐ No ☐
**Estimated blood loss:** ml

**Most experienced surgeon on the operation team:**
Colorectal surgeon: ☐
Gastroenterological surgeon: ☐
General surgeon: ☐
Resident ☐

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## Postoperative phase

**Duration of intensive care:** _____ days (excluded standard postoperative observation)

**Number of blood units given:** _____

**Postoperative complications:**

**None** ☐

| | | | |
|---|---|---|---|
| Superficial wound infection | ☐ | Heart and lung complications | ☐ |
| Deep (intra abdominal) infection | ☐ | Stoma complications | ☐ |
| Secondary peritonitis | ☐ | Urinary tract infection | ☐ |
| Bleeding | ☐ | Deep vein thrombosis/thromboembolus | ☐ |
| Pneumonia | ☐ | Cerebrovascular event | ☐ |

Other ☐ specify:_____

**Reoperations:** Yes ☐ No ☐

Reason and type of reoperation: _____

**Maximum postoperative CRP (mg/L):** _____ **Minimum Haemoglobin (g/dL) :** _____

**Discharge date:** dd /mm -20__

**Discharged to:** Home ☐ Other hospital ☐ Nursing home ☐ Rehabilitation centre ☐

Other ☐ _____

## Clavien-Dindo Classification of Surgical Complications:

**Clavian score** I ☐ II ☐ IIIa ☐ IIIb ☐ IVa ☐ IVb ☐ V ☐

| Grade | Definition |
|---|---|
| Grade I | Any deviation from the normal course without the need for pharmacological treatment or surgical, endoscopic and radiologic interventions<br>Allowed therapeutic regimens are: drugs as antiemetics, antipyretics, analgetics, diuretics, electrolytes and physiotherapy. This grade also includes wound infections opened at the bedside |
| Grade II | Requiring pharmacological treatment with drugs other than such allowed for grade I complications<br>Blood transfusions and total parenteral nutrition are also included |
| Grade III | Requiring surgical, endoscopic or radiological intervention |
| III a | Intervention not under general anaesthesia |
| III b | Intervention under general anaesthesia |
| Grade IV | Life-threatening complication (including CNS complications)* requiring IC/ICU management |
| IV a | Single organ dysfunction (including dialysis) |
| IV b | Multiorgan dysfunction |
| Grade V | Death of a patient |

*Brain haemorrhage, ischemic stroke, subarrachnoidal bleeding, but excluding transient ischemic attacks.
CNS, central nervous system; IC, intermediate care; ICU, intensive care unit.

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