

# Risk study of pre-neoplastic lesions in the low esophagus

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| <b>Submission date</b><br>20/01/2019   | <b>Recruitment status</b><br>No longer recruiting | <input type="checkbox"/> Prospectively registered<br><input type="checkbox"/> Protocol                       |
| <b>Registration date</b><br>13/02/2019 | <b>Overall study status</b><br>Completed          | <input type="checkbox"/> Statistical analysis plan<br><input type="checkbox"/> Results                       |
| <b>Last Edited</b><br>11/02/2019       | <b>Condition category</b><br>Cancer               | <input type="checkbox"/> Individual participant data<br><input type="checkbox"/> Record updated in last year |

## Plain English summary of protocol

Background and study aims

Barrett's esophagus is an acquired condition that predisposes to the development of esophageal adenocarcinoma. The main objective of this research was to establish an association between the endoscopic and the histopathological findings regarding differently sized endoscopic columnar epithelial mucosa projections in the low esophagus, under 3.0 centimeters in longitudinal extent.

Who can participate?

All patients coming in with a request for upper gastrointestinal endoscopy, regardless of the clinical indication.

What does the study involve?

Upper gastrointestinal endoscopy followed by a biopsy.

What are the possible benefits and risks of participating?

The benefits and risks of participating are the same of gastrointestinal endoscopy.

Where is the study run from?

Clínica Cirúrgica do Aparelho Digestivo, Clínica de Endoscopia do Hospital Casa de Saúde and Serviço de Endoscopia da Unidade de Cirurgia Digestiva do Hospital Universitário de Santa Maria, in Santa Maria, RS, Brazil

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

July 2015 to June 2017.

Who is funding the study?

Hospital Universitário de Santa Maria and investigator initiated and funded.

Who is the main contact?

Hairton Copetti  
hairtoncopetti@gmail.com

# Contact information

## Type(s)

Public

## Contact name

Mr Hairton Copetti

## Contact details

Av. Presidente Vargas 2355 - Policlínica Provedor Wilson Aita

Sala 1307 - 13º Andar

Santa Maria

Brazil

97015-513

# Additional identifiers

## Protocol serial number

1.008.491

# Study information

## Scientific Title

Risk study of pre-neoplastic lesions in differently-sized mucosa projections of columnar epithelium in the low esophagus

## Study objectives

Establish an association between the endoscopic and the histopathological findings regarding differently sized endoscopic columnar epithelial mucosa projections in the low esophagus, under 3.0 centimeters in longitudinal extent

## Ethics approval required

Old ethics approval format

## Ethics approval(s)

Instituto Universitário Italiano de Rosário's Bioethics Committee, 28/06/2016, ref. nro. 04/16.

## Study design

Prospective, experimental study, of diagnostic investigation, by a series of consecutive cases in three different locations

## Primary study design

Other

## Study type(s)

Screening

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

Progression of Barrett's esophagus to adenocarcinoma

## **Interventions**

All consecutive patients coming in with a request for upper gastrointestinal endoscopy were included, regardless of the clinical indication, between April/2015 and August/2016.

In performing the exams, habitual technique for upper gastrointestinal endoscopies was followed: suspicious areas were identified by mucosa projection, from the top of the gastric folds to the columnar mucosa, more reddish and vascularized in the low esophagus. At this moment, insufflation was diminished for better identification of the gastric folds. Then, a 1.5% application of acetic acid was used for coloring. Once the suspicious area was identified, a previously laser-graded biopsy clamp with 0.5 cm intervals, designed by the author, was introduced through the gastroscope working canal; the projection was measured and then biopsies were performed following the Seattle Protocol (Figs. 3, 4, 5, 6 and 7).

The observation time was during the exam. There was no follow-up.

## **Intervention Type**

Device

## **Primary outcome(s)**

Diagnosis of Barrett's esophagus was determined using upper gastrointestinal endoscopy to detect the presence of columnar mucosa in the esophagus in the shape of digitiform projections, or segments that cover the circumference of the esophagus partially or totally.

## **Key secondary outcome(s)**

1. The number of suspected lesions was determined using upper gastrointestinal endoscopy.
2. The size of suspected lesions was measured using previously laser-graded biopsy clamp with 0.5cm intervals, designed by the author, and divided in three groups of interest: Group 1 - projections up to 0.99cm, group 2 - 1.00 to 1.99cm and group 3 - 2.00 to 2.99cm, and then biopsied following the Seattle Protocol.
3. The number of suspected lesions during endoscopic examination was 81, where 59 subjects (72.8%) did not confirm for Barrett's esophagus after histologic exam, and 22 (27.2%) were confirmed, representing 1.74% of sample total

## **Completion date**

30/07/2017

## **Eligibility**

### **Key inclusion criteria**

Request for upper gastrointestinal endoscopy

### **Participant type(s)**

Other

### **Healthy volunteers allowed**

No

### **Age group**

All

**Sex**

All

**Key exclusion criteria**

1. Oesophageal obstruction
2. Post-oesophagectomy and bariatric surgery patients
3. Projections  $\geq 3$ cm
4. Patients under 18 years of age

**Date of first enrolment**

01/06/2015

**Date of final enrolment**

30/08/2016

**Locations****Countries of recruitment**

Brazil

**Study participating centre****Clínica Cirúrgica do Aparelho Digestivo**

Av. Presidente Vargas 2355 - Policlínica Provedor Wilson Aita

Sala 1307 - 13º Andar

Santa Maria

Brazil

97015-513

**Study participating centre****Clínica de Endoscopia do Hospital Casa de Saúde**

Rua Ary Lagranha Domingues, 188 - Perpétuo Socorro

Santa Maria

Brazil

97045-060

**Study participating centre****Serviço de Endoscopia da Unidade de Cirurgia Digestiva do Hospital Universitário de Santa Maria**

Av. Roraima 1000, Prédio 22, Campus, Bairro Camobi

Santa Maria

Brazil

97105-900

**Sponsor information**

**Organisation**

Hospital Universitário de Santa Maria

**ROR**

<https://ror.org/00aqfrr40>

**Funder(s)****Funder type**

Hospital/treatment centre

**Funder Name**

Investigator initiated and funded

**Funder Name**

Hospital Universitário de Santa Maria

**Results and Publications****Individual participant data (IPD) sharing plan**

The datasets generated during and/or analysed during the current study are/will be available upon request from Hairton Copetti, [hairtoncopetti@gmail.com](mailto:hairtoncopetti@gmail.com), the files will be stored in a personal computer, in the researcher's office, protected by password, only available upon request, and will be shared according to the terms of our consent from participants. The files will be stored for five years.

**IPD sharing plan summary**

Available on request

**Study outputs**

| Output type                                   | Details                       | Date created | Date added | Peer reviewed? | Patient-facing? |
|---|-------------------------------|--------------|------------|----------------|-----------------|
| <a href="#">Participant information sheet</a> | Participant information sheet | 11/11/2025   | 11/11/2025 | No             | Yes             |