



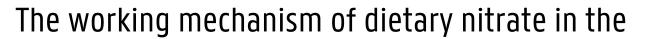
# DEPARTMENT OF HUMAN STRUCTURE & REPAIR - GROUP OF EXPERIMENTAL SURGERY

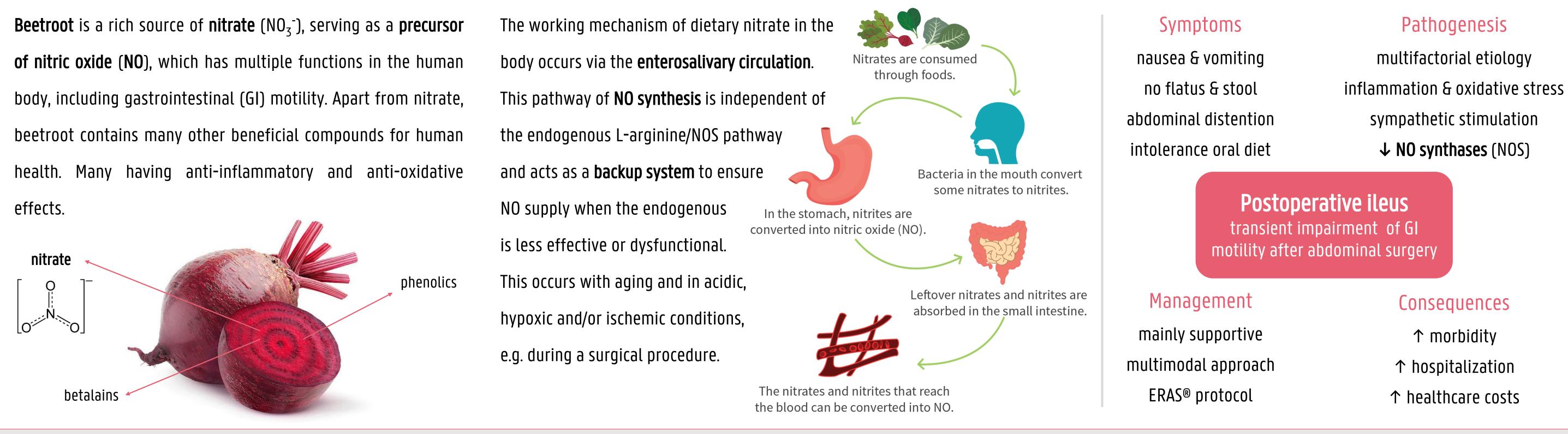
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# **USE OF BEETROOT JUICE TO PROTECT AGAINST POSTOPERATIVE ILEUS** FOLLOWING COLORECTAL SURGERY: BEET IT STUDY

INTRODUCTION

**BACKGROUND & RATIONALE** 





#### OBJECTIVE

The goal of the **BEET IT clinical study** (NCT05133024) is to examine if preoperative intake of beetroot juice can improve recovery of GI function following colorectal surgery, and thereby help to reduce the duration of postoperative ileus (POI) and protect against prolonged POI (PPOI).

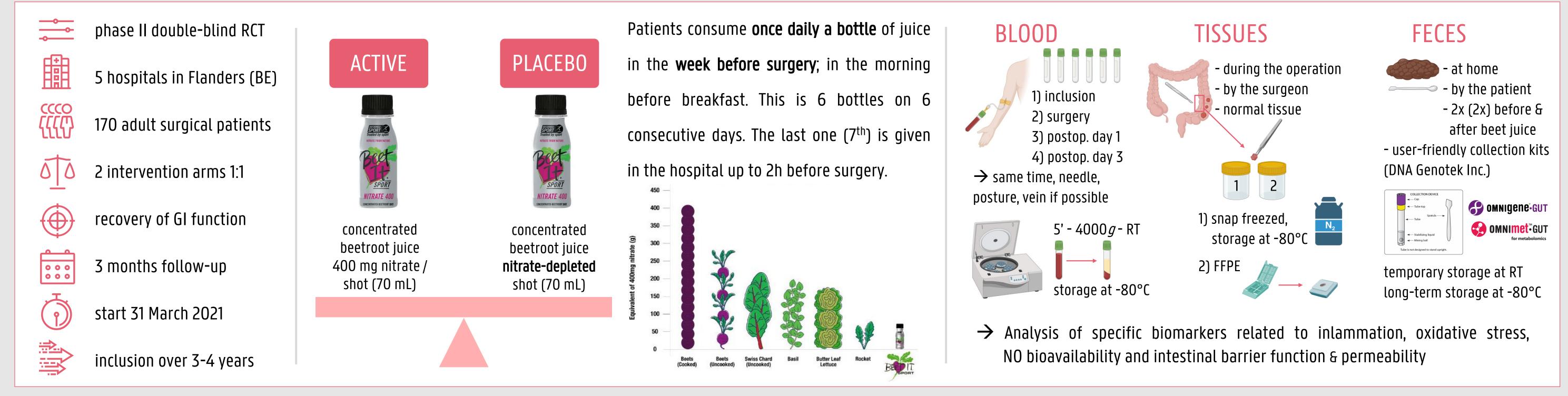


## **METHODS**

#### **STUDY DESIGN**

#### INTERVENTION

#### **STUDY PROCEDURES**



#### **STUDY ENDPOINTS**

#### DATA COLLECTION

POSTOPERATIVE

e.g. first stool, analgesia

## **CURRENT INCLUSION STATUS**

<u>Primary outcome:</u>		Data are collected via the <b>Electronic Patient Dossier</b> (EPD) and <b>patient diary</b> . All data	To date, 47 patients have been included. Of these, 63.8%
Recovery of GI function, a composite	PREOPERATIVE	are subsequently entered in the Case Report Form (CRF) and electronic CRF via the	are $arsigma$ , with a median age of 66 (56-72) years old
endpoint requiring recovery of both	e.g. age, sex, weight	Research Electronic Data Capture (REDCap) tool, a secure web-based application	(range: 32–89 years). Apart from the slow enrolment
upper GI (tolerance of a solid diet)		from which the study dataset is built. All data are <b>pseudonimized</b> .	rate, compliance is excellent.

and lower GI (passage of flatus and

stool) functions.

- Secondary outcomes:
- Time until 1<sup>st</sup> flatus
- Time until 1<sup>st</sup> stool
- Time until 1<sup>st</sup> tolerance liquids / semi-solid food / solid food
- Incidence and recovery of PPOI
- Length of hospital stay
- Postoperative complications

REDCap INTRAOPERATIVE EPD DIARY CRF e.g. blood loss, duration

The diary includes **basic demographic** and **compliance information**, **postoperative** 

findings and a movement and food questionnaire. After study completion, survival

**analysis** will be used to statistically analyze the data, using appropriate methods to

account for competing risks, intercurrent events and missing data. An **interim** 

**analysis** is planned at 50% recruitment; i.e. data of 85 patients have been collected.

Center	n included	<i>n</i> to include
UZ Gent	10	60
UZ Leuven	24	50
UZ Antwerpen	11	40
AZ St-Lucas Gent	2	10
Ziekenhuis O-Limburg	-	10
TOTAL	47	170
To be continued		May 2023

