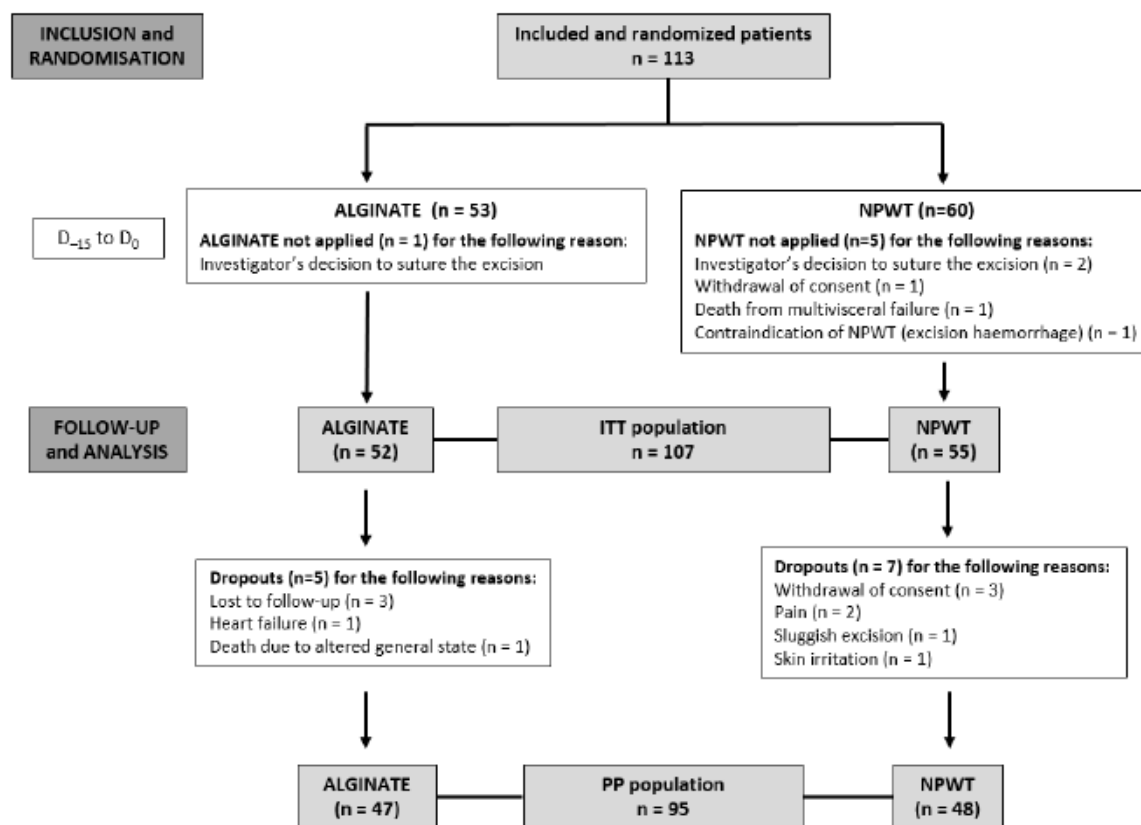


## Participant flow



## Baseline characteristics

	ALGOSTERIL, n = 52	NPWT, n = 55
<b>Patients</b>		
Mean age, years (SD)	50.8 (21.0)	54.9 (22.4)
Male, n (%)	26 (50.0)	25 (45.5)
Diabetes mellitus, n (%)	5 (9.6)	9 (16.4)
Current smokers, n (%)	16 (30.8)	21 (38.2)
Obesity, n (%)	11 (21.2)	18 (32.7)
<b>Surgical excisions</b>		
Etiology, n (%)		
Infectious	29 (55.8)	27 (49.1)
Traumatic	16 (30.8)	19 (34.5)
Tumour-related	7 (13.4)	9 (16.4)
Localisation, n (%)		
Lower limb	21 (40.4)	26 (47.3)
Upper limb	18 (34.6)	17 (30.9)
Thoracic	2 (3.8)	3 (5.5)
Back	4 (7.7)	4 (7.3)
Abdominal	2 (3.8)	1 (1.8)
Lumbar/sacral	0	2 (3.6)
Buttock	1 (1.9)	1 (1.8)
Anal/perineal/genital	4 (7.7)	1 (1.8)
Median surface area, cm <sup>2</sup> (IQR)	100(60-174)	80 (49-150)
Median volume, cm <sup>3</sup> (IQR)	145 (75-300)	150 (70-300)

## Primary outcome

	ALGOSTERIL, n = 52	NPWT, n = 55
Mean time, days (SD)	19.98 (7.76)	20.54 (10.03)
95% CI	17.7 to 22.3	17.6 to 23.5
Median (IQR)	19.0 (14.0-24.0)	19.5 (14.0-27.0)
Range	8.0-37.0	7.0-47.0
Mean time ALGINATE minus NPWT, days (SD)	-0.56 (1.84)	
95% CI	-4.22 to 3.10	

## Secondary outcomes

### 1/ Care costs

Patients were first followed up in the hospital (operating theatre, intensive care unit, or hospitalisation unit) and then in an after-care and rehabilitation facility and/or in home hospitalisation, and/or at home under care provided by a district nurse.

These therapeutic pathways being the main drivers of the costs, this difference resulted in a difference in the management's costs between both strategies for 20 days of treatment. Net saving for Algosteril® were estimated at approximatively €1.500 per patient.

### 2/ Patient quality of life

No intergroup difference on the tested items: noise nuisance, background pain and discomfort during sleep or movements

### 3/ Tolerance

	ALGOSTERIL, n = 52		NPWT, n = 55	
Adverse event	AEs n	Patients n (%)	AEs n	Patients n (%)
<b>At least one AE</b>	<b>0</b>	<b>0 (0)</b>	<b>14</b>	<b>13 (23.6)</b>
Severe pain	0	0 (0)	5	5 (9.1)
Hemorrhage (one serious°)	0	0 (0)	4	3(5.5)
Skin irritation	0	0 (0)	2	2(3.6)
Infection	0	0 (0)	2	2(3.6)
Joint ankylosis	0	0 (0)	1	1(1.8)