



DVS

# Thermo coagulation as a treatment of the great saphenous vein insufficiency and his tributaries: preliminary analysis

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## 1. Descriptive statistics

### 1.1. Patient characteristics

#### Continuous variables

variable	Statistics							
	N	mean	std	median	min	max	Q1	Q3
age	20	50.7	14.9	52.5	25.0	70.0	38.0	64.5
CEAP (1-6)	20	2.1	0.7	2.0	1.0	5.0	2.0	2.0
BMI	20	24.9	3.5	24.8	17.6	31.2	22.5	27.5

#### Discrete variables

gender			
gender	Frequency	Percent	
M	5	25.00	
V	15	75.00	

profession: S/E			
profession__S_E	Frequency	Percent	
staand	13	65.00	
zittend	7	35.00	

CEAP (1-6)			
CEAP__1_6_	Frequency	Percent	
1	1	5.00	
2	18	90.00	
5	1	5.00	

## 1.2. Side effects

## Incapacity to work

variable	Statistics							
	N	mean	std	median	min	max	Q1	Q3
Incapacity to work (days)	20	10.4	8.6	12.0	0.0	21.0	2.5	21.0

## Pain killers

variable	Statistics							
	N	mean	std	median	min	max	Q1	Q3
total numbers of analgetcs	20	0.9	1.2	0.0	0.0	3.0	0.0	2.0
days of analgetics intake	20	0.6	0.9	0.0	0.0	4.0	0.0	1.0

## total numbers of analgetcs

total_numbers_of_analgetcs	Frequency	Percent
0	12	60.00
1	2	10.00
2	3	15.00
3	3	15.00

## days of analgetics intake

days_of_analgetics_intake	Frequency	Percent
0	12	60.00
1	7	35.00
4	1	5.00

### Ecchymosis

variable	Statistics							
	N	mean	std	median	min	max	Q1	Q3
ecchymosis score d7)	20	0.0	0.0	0.0	0.0	0.1	0.0	0.0

ecchymosis score d7)			
ecchymosis_score_d7_	Frequency	Percent	
0	15	75.00	
0.022	1	5.00	
0.023	1	5.00	
0.027	1	5.00	
0.058	1	5.00	
0.07	1	5.00	

### Periphlebitis

variable	Statistics							
	N	mean	std	median	min	max	Q1	Q3
periphlebitis (days)	20	1.4	3.4	0.0	0.0	14.0	0.0	0.0

#### periphlebitis (days)

periphlebitis__days_	Frequency	Percent
0	16	80.00
3	1	5.00
5	2	10.00
14	1	5.00

### Paresthesia

paresthesia: 0-1			
paresthesia_____0_1	Frequency	Percent	
0	20	100.00	

### 1.3. Outcome measurements

#### Vein diameter Preop

variable	Statistics							
	N	mean	std	median	min	max	Q1	Q3
mean diameter vein (mm)	20	6.2	1.3	5.8	4.2	9.0	5.6	7.0
diameter cross (mm)	20	7.5	2.1	7.5	4.3	11.7	6.0	9.3
diameter knie (mm)	19	5.3	1.4	5.1	3.7	9.1	4.2	5.8
diameter middij (mm)	20	5.8	1.4	6.0	3.3	8.0	4.7	7.1

#### Vein diameter 1 month postop

variable	Statistics							
	N	mean	std	median	min	max	Q1	Q3
mean diameter vein (mm)1	20	6.0	1.4	6.0	3.6	8.5	5.2	7.2
diameter cross (mm)1	20	7.4	1.9	7.5	3.4	11.6	6.2	8.2
diameter knie (mm)1	19	5.0	1.5	4.8	2.5	7.5	4.2	5.6
diameter middij (mm)1	20	5.6	1.3	5.6	3.0	7.8	4.6	6.4

#### Quality of life

variable	Statistics							
	N	mean	std	median	min	max	Q1	Q3
QOL	20	37.1	13.1	33.0	20.0	65.0	27.5	46.0
QOL d7	20	37.4	15.3	33.0	20.0	64.0	23.5	53.5
QOL 1M	20	25.5	4.9	23.5	20.0	34.0	21.0	29.0

## Pain

variable	Statistics							
	N	mean	std	median	min	max	Q1	Q3
painscore d2: 0-10	20	2.2	2.5	1.0	0.0	7.0	0.5	3.0
painscore d5: 0-10	20	1.9	2.1	1.5	0.0	7.0	0.0	3.5
painscore d7: 0-10	20	1.6	2.0	1.0	0.0	8.0	0.0	3.0
painscore d10 (0-10)	20	0.6	0.9	0.0	0.0	3.0	0.0	1.0

## Patient satisfaction

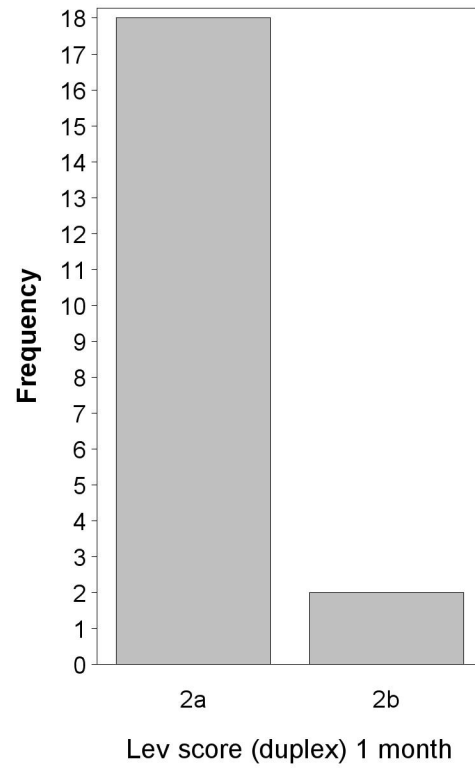
variable	Statistics							
	N	mean	std	median	min	max	Q1	Q3
patient_satisfaction	20	9.2	0.9	9.0	7.0	10.0	9.0	10.0



## Duplex control

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Lev score (duplex) 1 month		
Lev_score__duplex__1_month	Frequency	Percent
2a	18	90.00
2b	2	10.00



**2. Main analysis: occlusion overall**

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		95% confidence interval		
	Difference estimate	Lower Limit	Upper Limit	P-value
Improvement at 1 month compared to preop?	-0.14	-0.59	0.31	0.5233

A positive (negative) difference estimate indicates increase (decrease) over time

### 3. Secondary analysis: occlusion at specific locations

	Difference estimate	95% confidence interval		P-value
		Lower Limit	Upper Limit	
Cross: Improvement at 1 month compared to preop?	-0.17	-0.93	0.59	0.6446
Knee: Improvement at 1 month compared to preop?	-0.33	-1.01	0.34	0.3149
Mid Thigh: Improvement at 1 month compared to preop?	-0.23	-0.77	0.31	0.3872

A positive (negative) difference estimate indicates increase (decrease) over time

#### 4. Secondary analysis: quality of life, pain, patient satisfaction, duplex control

##### 4.1. Quality of life

	Difference estimate	95% confidence interval		P - values	
		Lower Limit	Upper Limit	Raw	Bonferroni
QOL: change over time				0.0003	
Improvement at 1 week compared to preop?	0.35	-5.92	6.62	0.9106	1.0000
Improvement at 1 month compared to preop?	-11.60	-17.95	-5.25	0.0007	0.0021
Change between 1 week and 1 month?	-11.95	-17.93	-5.97	0.0002	0.0007

A positive (negative) difference estimate indicates increase (decrease) over time

## 4.2. Pain

