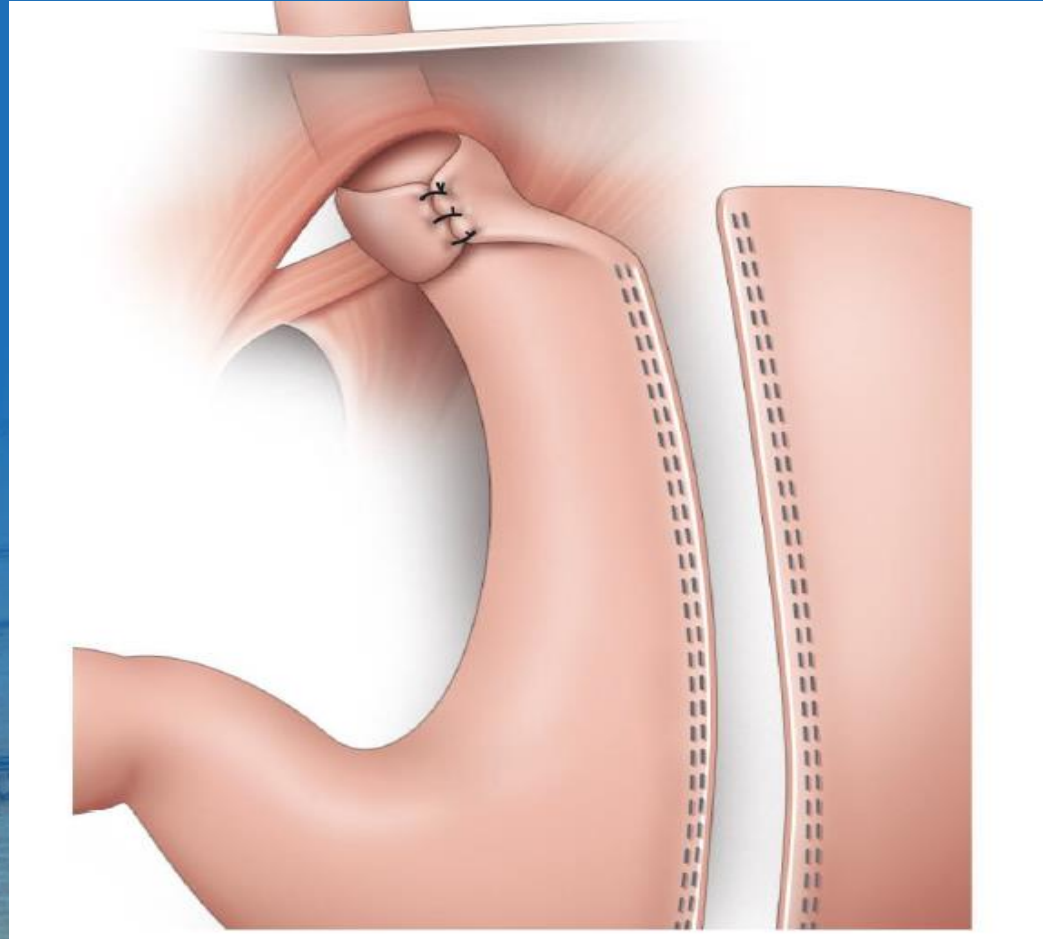


NISSEN SLEEVE GASTRECTOMY

Time to go!!!!



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DISCLOSURES Pr Nocca

RESEARCH

PROWELL, BODYNOV, EZISURG, AMINOGRAMM

PATENT

MID

CONSULTANT/SPEAKER

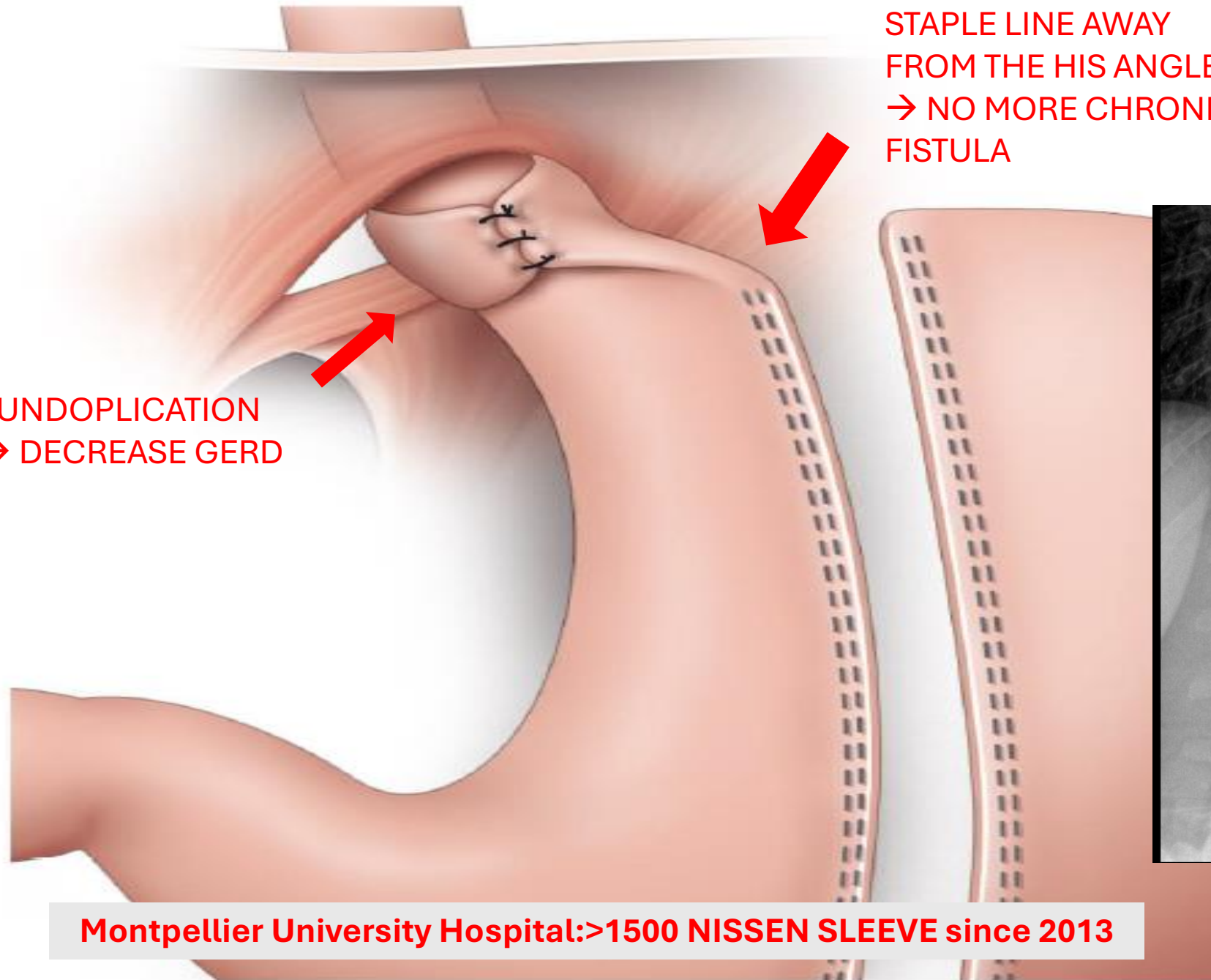
ETHICON, APPLIED, WL GORE, NOVO NORDISK, EZISURG,
INTOCARE,

BACKGROUND

- Sleeve is the most performed bariatric procedure.
- GERD after Sleeve 20-50%
- Barretts after Sleeve: 5-18%

FUNDOPLICATION
→ DECREASE GERD

STAPLE LINE AWAY
FROM THE HIS ANGLE
→ NO MORE CHRONIC
FISTULA



Montpellier University Hospital: >1500 NISSEN SLEEVE since 2013

Nissen Sleeve Gastrectomy

Pr. D.NoCCA, Dr. S.Joumaa

Service de Chirurgie Digestif, CHU Montpellier

Original article

Nissen sleeve gastrectomy: 5-year follow-up results

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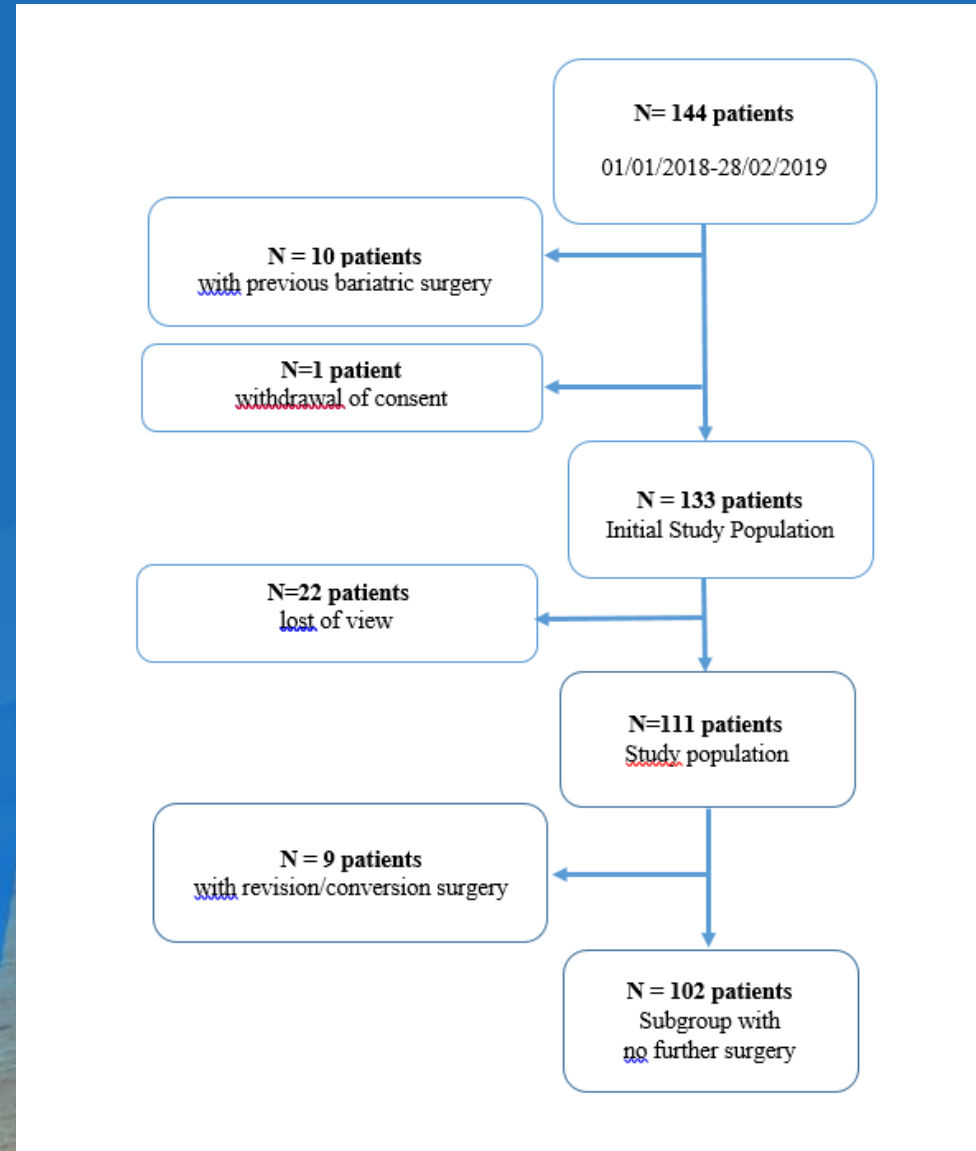
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Flow chart of patient selection



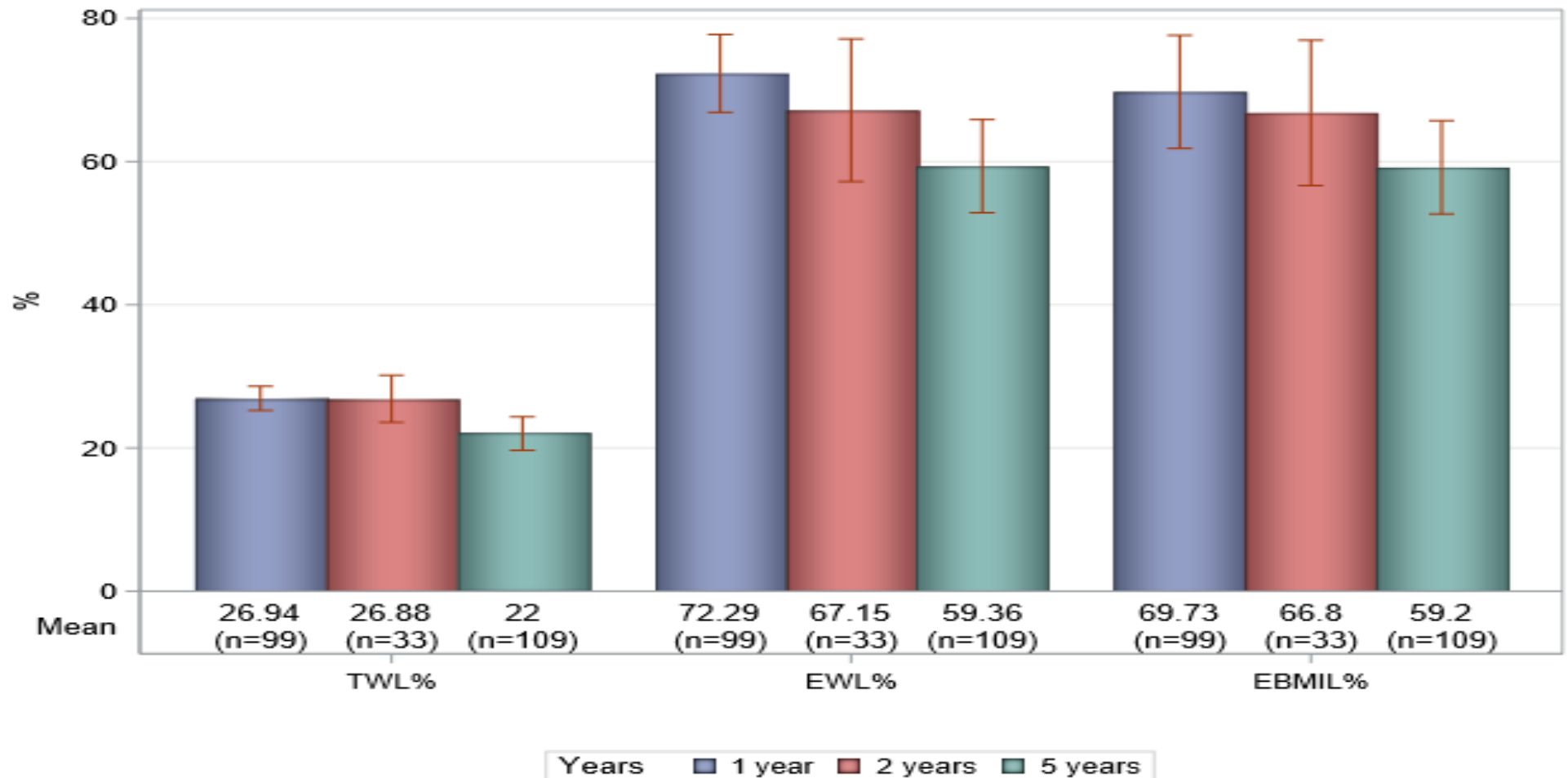
Demographic characteristics of the study population



Table 1. Demographic characteristics of the study population

	Study population (N = 111)	Subgroup with no further surgery (N = 102)
Age, mean (\pm SD)	42.9 (\pm 15.0)	42.9 (\pm 14.6)
Weight, mean (\pm SD)	113.1 (\pm 17.6)	113.1 (\pm 18)
BMI, median (Q1;Q3)	40.4 (38.2;43.4)	40.2 (38.2;43.4)
GERD clinical symptoms, n/N (%)	63/111 (56.8)	56/102 (54.9)
GERD endoscopic findings, n/N (%)	31/104 (29.8)	27/95 (28.4)
Type 2 Diabetes, n/N (%)	25/111 (22.0)	22/102 (21.6)
Hypertension, n/N (%)	30/110 (27.3)	28/101 (27.7)
Sleep Apnea Disorder, n/N (%)	81/111 (73.0)	74/102 (72.6)
Female gender, n/N (%)	87/111 (78.4)	80/102 (78.4)
Excess weight, mean (\pm SD)	44.7 (\pm 15.7)	44.8 (\pm 16.2)

WEIGHT LOSS



GERD endpoints

Table 2. Five-year results

<i>GERD remission endpoints (population with GERD at baseline)</i>		
<i>All clinical remission, n/N (%) (primary endpoint)</i>	53/62 (85.5)*	50/56 (89.3)*
<i>Clinical remission, no PPI treatment, n/N (%)</i>	51/62 (82.3)	48/56 (85.7)
<i>Clinical remission, no secondary surgery, n/N (%)</i>	50/62 (80.6)	NA
<i>Other GERD endpoint (population without GERD at baseline)</i>		
<i>De novo clinical GERD, n/N (%)</i>	3/47 (6.4)*	2/45 (4.4)*

F
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81.9%

COMPLICATIONS

REOPERATION RATE: 8.1%



Table 3
Outcomes requiring surgical intervention

Outcomes	Onset	Grade C-D	Clinical presentation	Initial management	Evolution	Secondary management
Emergency surgery						
Wrap perforation N = 3/111	Day 2	IIIb	Acute peritonitis	Wrap resection	Subcapsular splenic hematoma	Radiologic drainage
	Month 9	IIIb (late)	Acute peritonitis	Wrap resection	NE	No 5-yr data
	Month 9	IIIb (late)	Acute peritonitis	Drainage	NE	None
Wrap-induced stenosis N = 1/111	Day 13	IIIb	Dysphagia	Wrap resection	NE	None
Secondary GERD and revision surgery						
Wrap opening N = 4/111	Month 22	NA	GERD	Nissen fundoplication	NE	None
	Month 8	NA	GERD	Toupet fundoplication	NE	None
	Month 36	NA	GERD weight regain	Wrap resection	GERD	RYGB conversion
	Month 58	NA	GERD weight regain	Wrap resection	NE	None
Wrap intrathoracic migration N = 1/111	Month 63	NA	GERD	Hiatal hernia repair	NE	None

Early Onset = before day 30; Late onset = after day 30; Grade C-D = Grade Clavien-Dindo; RYGB = Roux – en Y Gastric Bypass; GERD = gastroesophageal reflux disease; NE = noneventful; NA = Not applicable.

MORTALITY RATE WAS NIL

COMPLICATIONS WRAP PERFORATIONS

- RISK FACTORS: relative contra-indication!!!
 - AGE>60
 - BMI>50 (technical difficulties)
 - PREVIOUS BAND
 - GASTRITIS
 - SMOKERS
 - HYPOXEMIA
 - ATHEROSCLEROSIS
 - POST OP STEROIDS MEDICATION WHITOUT PPI

WRAP PERFORATIONS

PREVENTION:

- Learning curve in patients BMI 35-45
- To avoid traumatic or thermic injury of the fundus during the release.
- To know risk factors.....

TREATMENT:

- Quick diagnose: tachycardia, dysphagia, fever → CT Scan
- To remove the wrap
- Average hospital stay: 7 days...



Take home messages...

Results

%EWL

%GERD remission

%De novo GERD

% long term
re operation rate

GBP

55-65%

60.4%

10.7

22.1%

SLEEVE

50-60%%

25%

31.6%

15.8%

NISSEN SLEEVE

59.4%

85.5%

6.4%

8.1%

CONCLUSION

Currently, Nissen-Sleeve Gastrectomy is safe and an efficient option if you respect the technical key points and if you respect contra-indications!!!

Learning curve may be difficult if you are not an upper GI surgeon...

NISSEN SLEEVE WORKSHOPS



**DIRECTOR OF THE COURSE:
Pr D.NOCCA**

Head of the Bariatric team of Universitary Montpellier Hospital. Director of the scientific committee of SOFFCOM. Founder President of ICYLS



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Michel Gagner

"Be never happy about an operation, don't think that it has reached its finality, it can always be improved"

Thank you!

