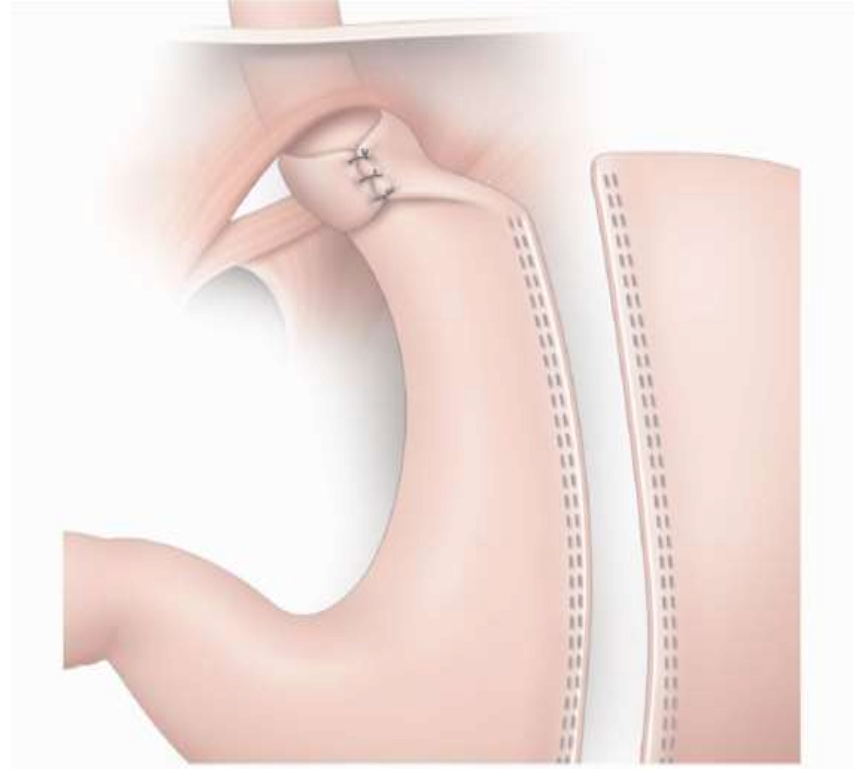


Efficacy of Nissen Sleeve Gastrectomy (NSG) on mid-term endobrachyoesophageal regression

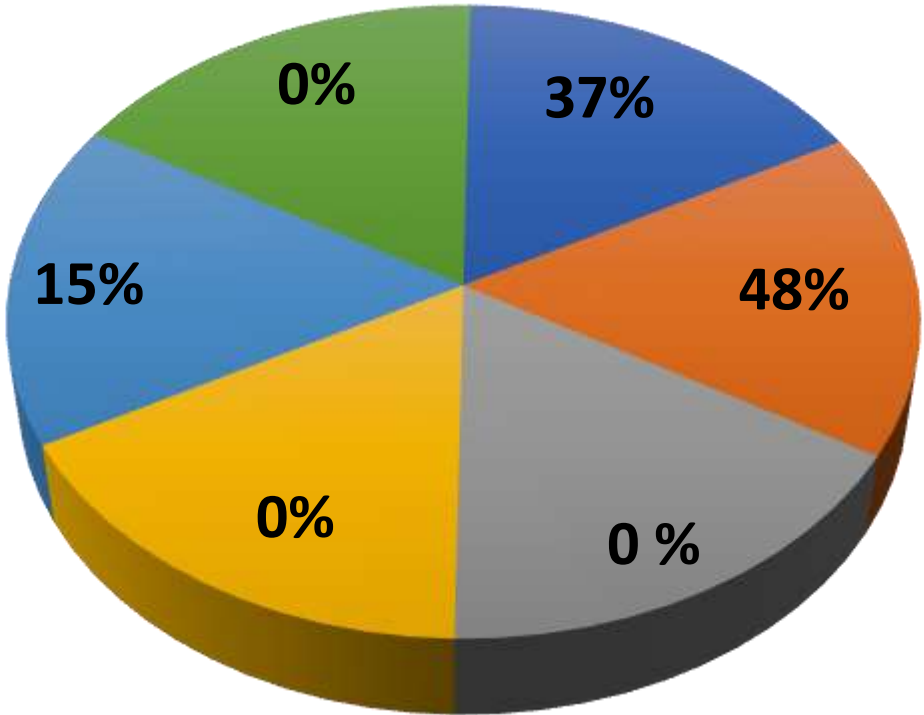
P.Brinas : CHU Toulouse, D.NOCCA : CHU Montpellier



I have no potential conflict of interest to report



CASE MIX DISCLOSURE



- RYGB
- SG
- OAGB
- DS/SADI-S
- REVISIONAL
- ENDOSCOPIC

Sleeve Gastrectomy

Most common bariatric-metabolic surgery (BMS) currently performed globally

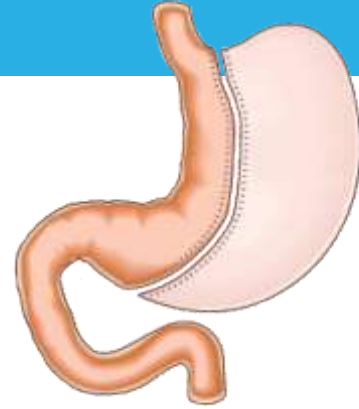
Easier, few complications, great efficacy compared to gastric bypass (GBP)

But :

Post operative gastro oesophageal reflux disease (GERD) is high (60%)

De novo GERD : 20-30%

More oesophagitis than GBP : 1st risk factor for Barrett oesophagus (BE)



Barrett Oesophagus

Risk factor of oesophageal adenocarcinoma
Up to 5% according to nature of metaplasia



Prevalence : 1,2-5,6% of patients in occident
11,6% of patients with a sleeve gastrectomy (SG)

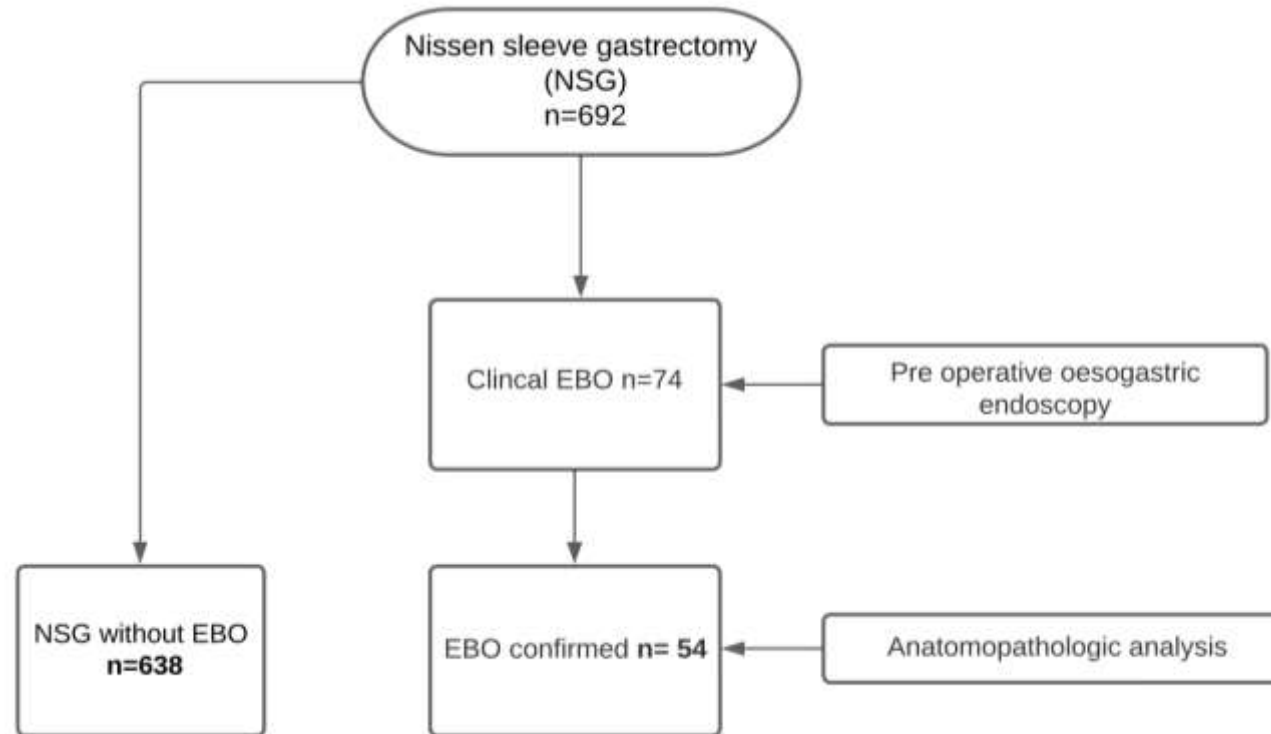
**→ Guidelines : SG should be avoided in patients with a true BE.
GBP should be preferred**

→ What if GBP can't be performed ?



The Study:

- Retrospective, observationnal, bi-centric from 2013 to 2021



- All patients had a pre op oesophagogastroduodenoscopy (EGD)
- EGD at 1-2 y post op and 3-5 y
- BE > 1 cm was confirmed with anapath analysis

Results :



54 patients with BE (7,8% of the whole cohort)

41 patients (75,9%) : cardiac metaplasia, 10 patients (18,5%) : intestinal metaplasia

38 patients with EGD 1-2 y. (27,8% of missing data)

Complete healing of BE in 64,1% (25 patients)

7 patients with EGD at 3-5 y.

Complete healing of BE in 71% (5patients)

Incidence rate of BE post op was nil

1 eosophageal adenocarcinoma at 6,5y treated with Lewis Santy and oesophago coloplasty.

Litterature



Incidence rate of BE post SG remains low but significant. Between 4 to 6%
Few data about NSG (0% in our study)

Regression rate of BE :

Guidelines IFSO 2020 : No study reported regression of BE post SG

After a GBP : 56-62 % of BE regression

After Nissen Fundoplication : Szachnowicz *et al* . : 180 patients, 80 month follow up : 67% of regression

- Similar to your study (64% at 2 y.)

Nissen Fundoplication remains superior to medical treatment for BE regression and it's complications



Conclusion

NSG has favourable effects on the development and regression of BE
Show same effectiveness as other standard procedures (weight loss, regression of comorbidities)

Useful in case of refusal or contra indications for GBP

Technique under evaluation:



- more trials to come (GINSBY)
- learning curve to achieve

