

EXPLORING PREOPERATIVE CLINICAL PROFILES AND 24-HOUR PH-IMPEDANCE FOR ANTI-REFLUX SURGERY IN PATIENTS WITH OVERWEIGHT OR OBESITY

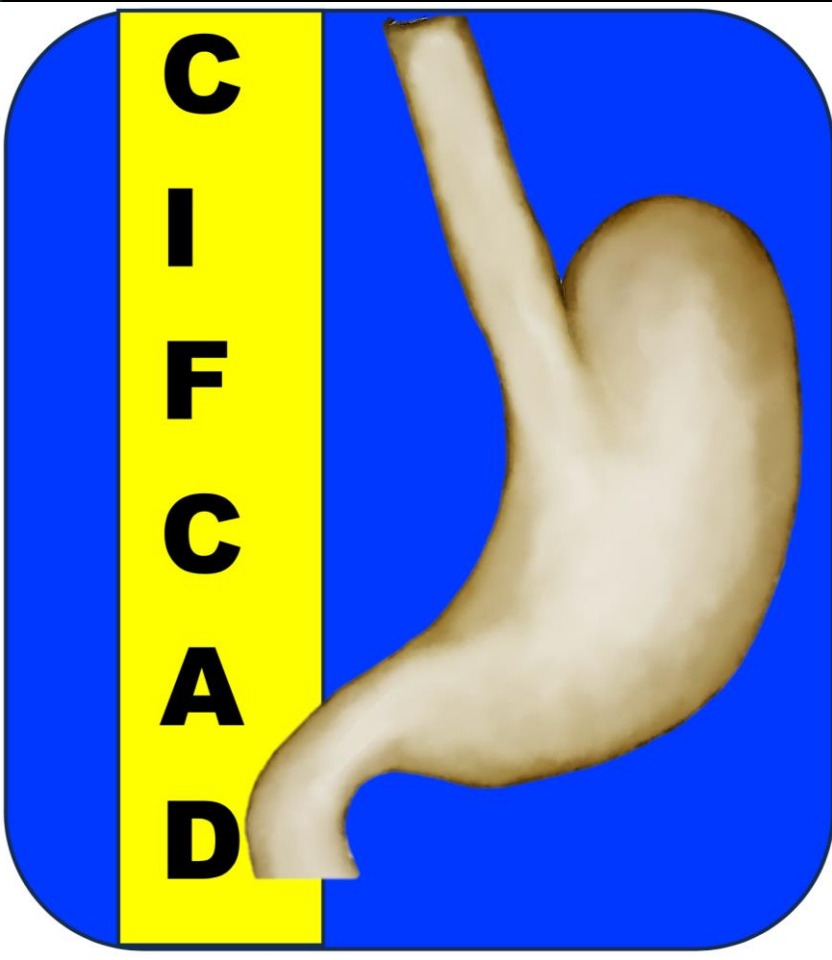
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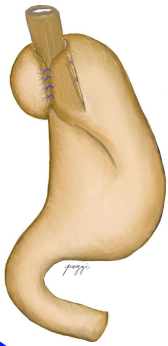
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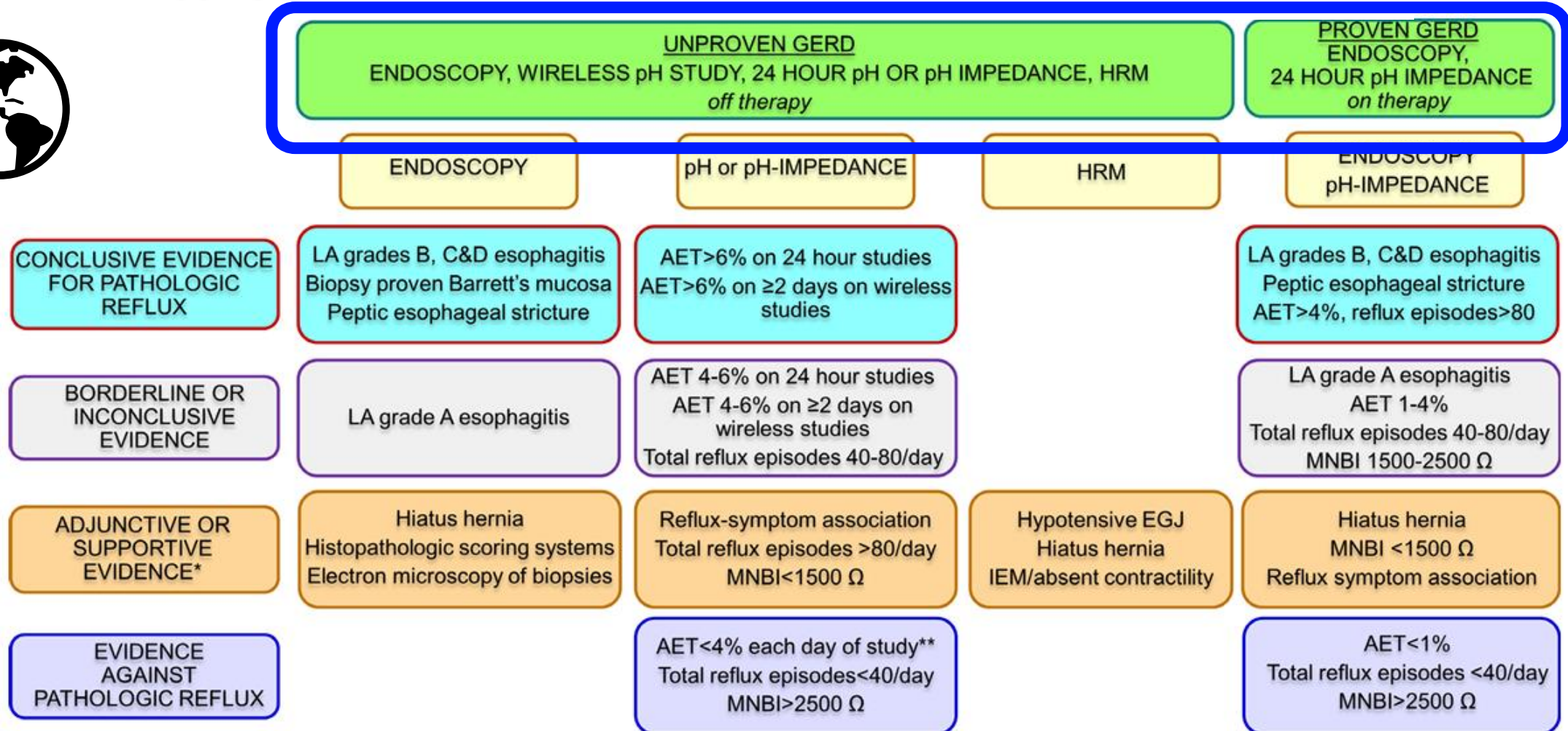


Centro de Investigación de Fisiología y Cirugía del Aparato Digestivo





Updates to the modern diagnosis of GERD: Lyon consensus 2.0

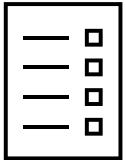


Objectives and Methods



Objective

- Looking for identify patterns of acid and non-acid reflux, .
- Assess **24Hour pH-impedance** findings.

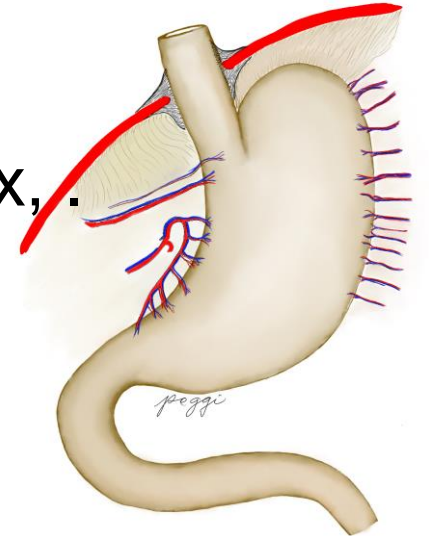


Population

- **GERD symptomatic patients** with overweight or obesity

Methods

- Descriptive and Retrospective Analysis of a Prospective Cohort 1996-2023.

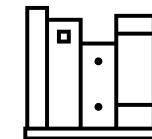
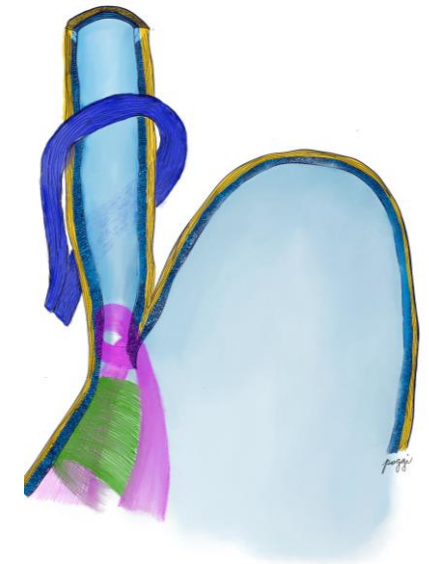
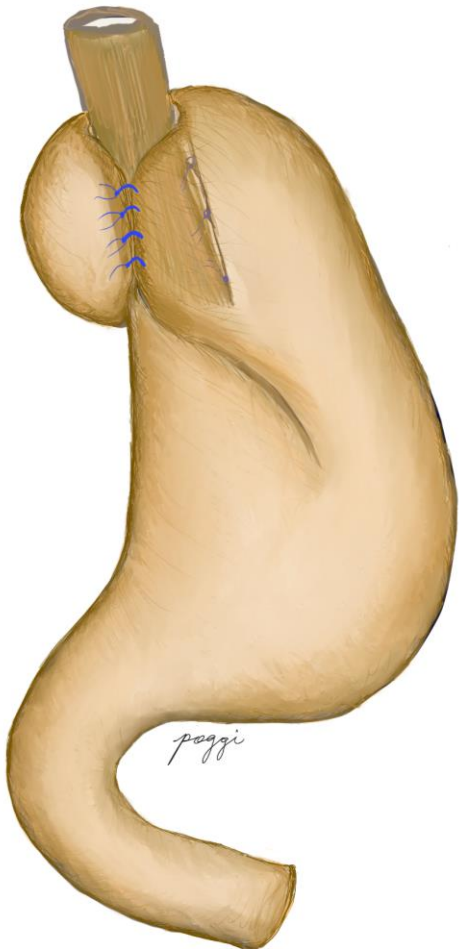


Results

Table 1

Demographic and clinical data	Results (n= 178)
Sex, n (%)	
Female	71 (39.9)
Male	107 (60.1)
BMI, median (IQR)	28.3 (26.4-30.8)
Age, mean (SD)	48.1 ± 12.7
Time of disease, median (IQR) (years)	4 (2-7)
Fast eating, n (%)	
Yes	145 (81.4)
No	33 (18.6)
Symptoms, n (%)	
Heartburn	138 (77.5)
Regurgitation	136 (76.4)
Chest pain	106 (59.5)
Cough	51 (28.6)
Pharyngitis	41 (23.0)
Bronchospasm	29 (16.3)
Time to diagnosis, median (IQR) (years)	2 (1-5)

BMI: Body mass index, IQR: Interquartile range, SD: Standard deviation



Results

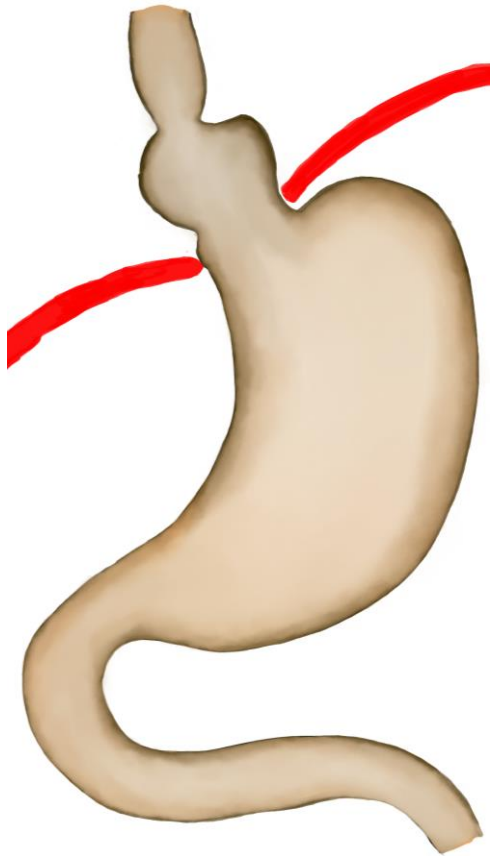
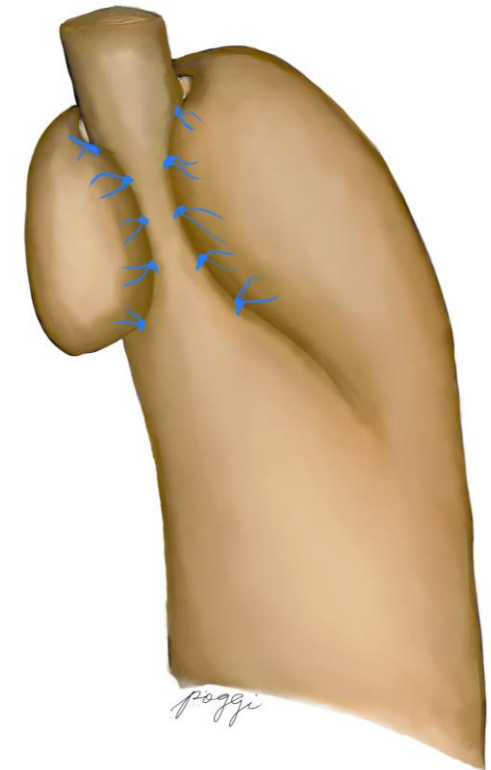


Table 2

24 h pH-impedance monitoring	Results (n = 115)
Pathological reflux	91 (79.1)
Symptom index, median (IQR) (%)	50 (0-79)
AET, median (IQR) (%)	6.7 (3-11.8)
Proximal esophageal involvement, n (%)	107 (93.0)
DeMeester score, median (IQR)	23.9 (10.9-48.9)
Position of major reflux, n (%)	
Upright	106 (92.2)
Supine	9 (7.8)
Total reflux episodes, median (IQR)	68 (45-97)
Upright	53 (32-77)
Supine	10 (4-19)
Acid	45 (22-62)
Non acid	19 (9-36)
Type of reflux, n (%)	
Acid	36 (31.3)
Alkaline	10 (8.7)
Mixed with predominantly acid	51 (44.3)
Mixed to predominantly alkaline	16 (13.9)
MNBI, median (IQR) (ohms) (n = 31)	1860 (860-3490)

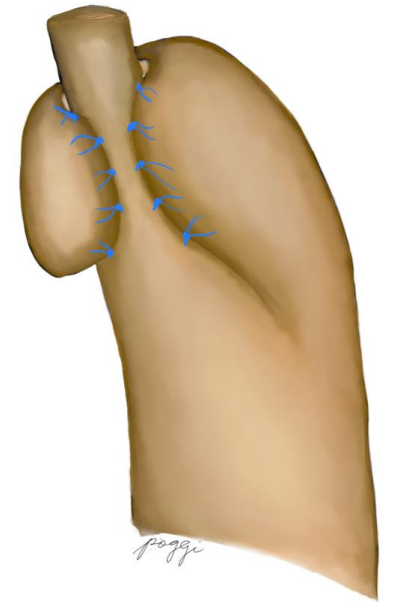


AET: Acid exposure time, MNBI: Mean nocturnal baseline impedance

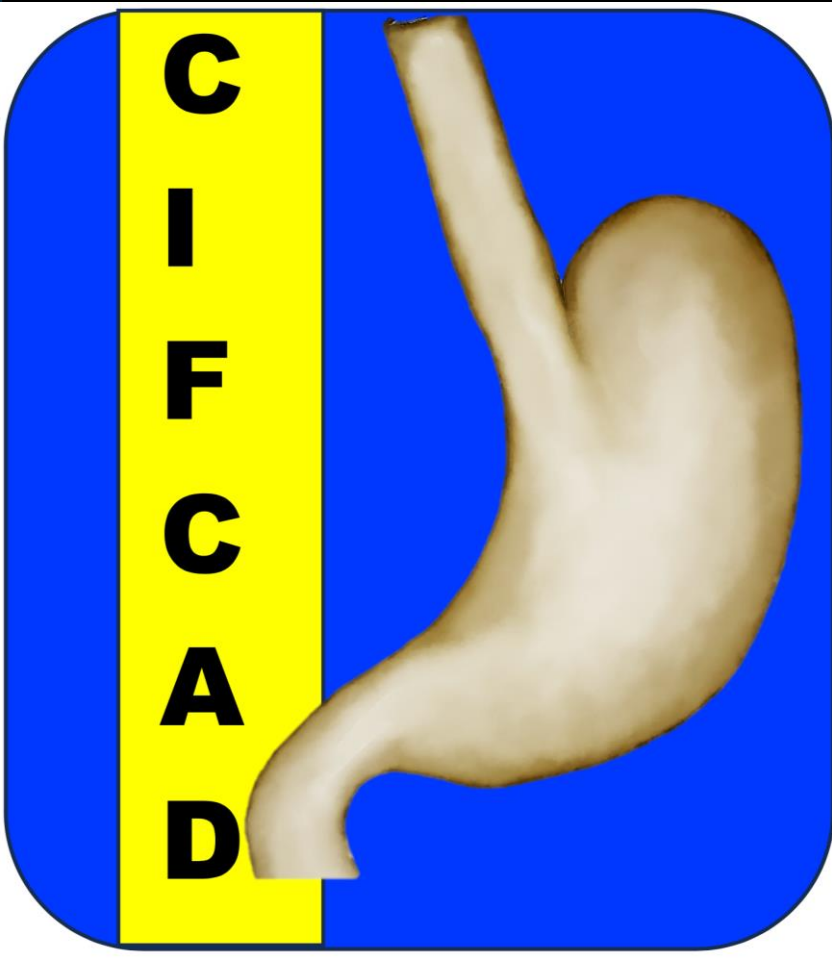


Conclusions

- Most of our patients are male with a median BMI in the overweight range.
- High prevalence of acid pathological reflux
- High prevalence of proximal esophageal involvement.
- The mean nocturnal baseline impedance was within the abnormal range.
- Preoperative 24h pH-impedance data establish patient profiles and will help postoperative follow-up, enhancing surgical outcomes.



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Grateful for Your Attention!

