

# SEVERITY OF GASTROPARESIS PREDICTS SYMPTOM IMPROVEMENT AFTER G-POEM

## Introduction

- Gastroparesis has a significant impact on quality of life with intractable nausea, vomiting, bloating, and pain
- There are no reliable predictors of improvement
- We predicted that higher severity of symptoms would result in greater improvement in symptoms after G-POEM

## Methods

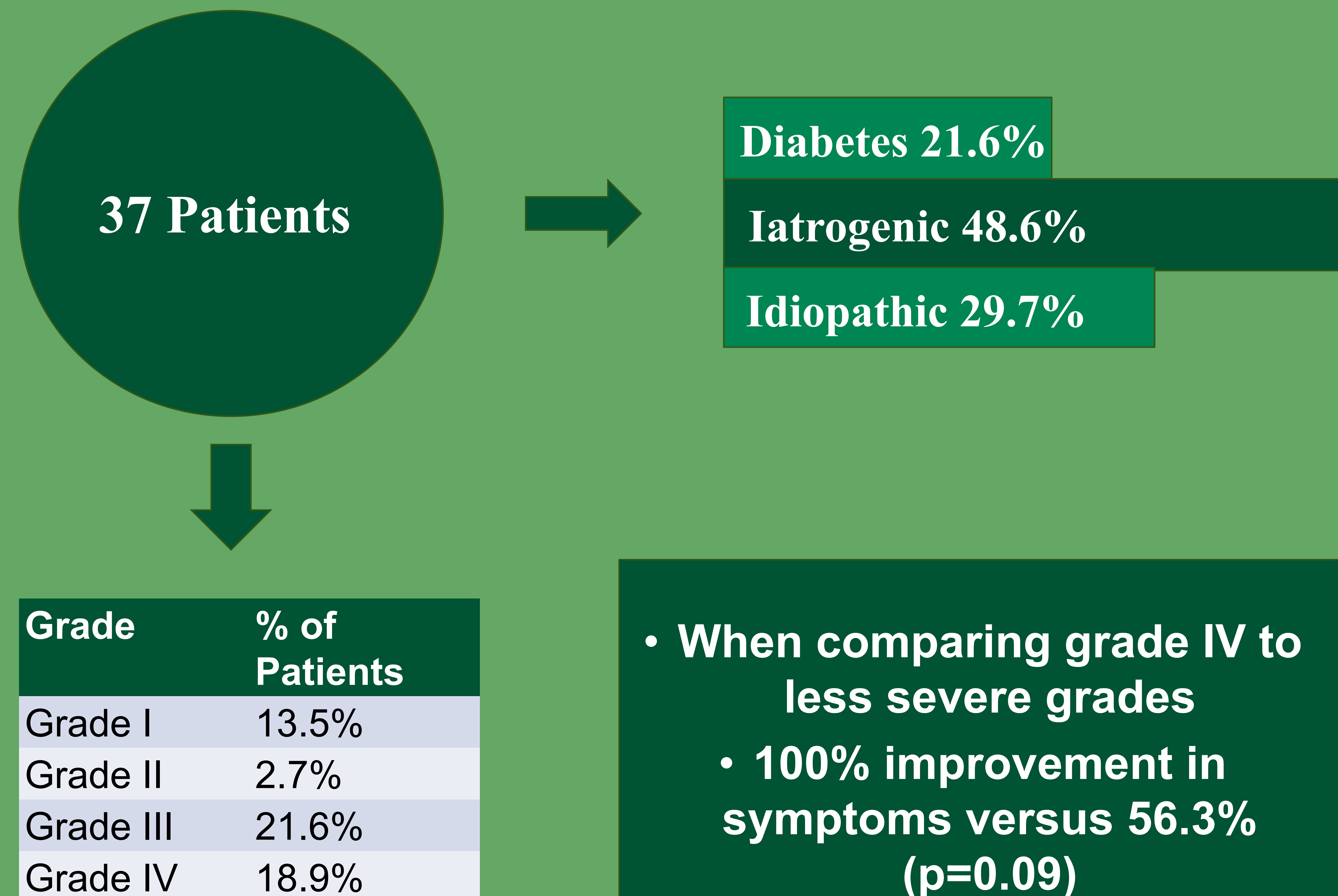
- Prospectively maintained database of patients undergoing G-POEM

| Grade     | Retention at 4 hours |
|-----------|----------------------|
| Grade I   | 11-20%               |
| Grade II  | 21-35%               |
| Grade III | 36-50%               |
| Grade IV  | > 50%                |

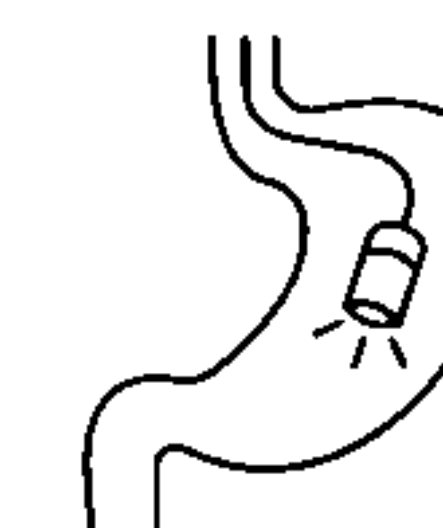
- Symptoms evaluated with Gastroparesis Cardinal Symptom Index (GCSI)
- Preoperatively and postoperatively

## Results

37 patients with gastroparesis received a G-POEM from 2023 to 2025



## Conclusions



Gastroparesis patients with higher gastric retention were more likely to have improvement in GCSI scores after G-POEM



This trended towards significance, likely due to small n



Gastric emptying test results can assist in guiding treatment choice and help surgeons counsel patients on expected symptom improvement after G-POEM