

ASA

ASMBS

AGA

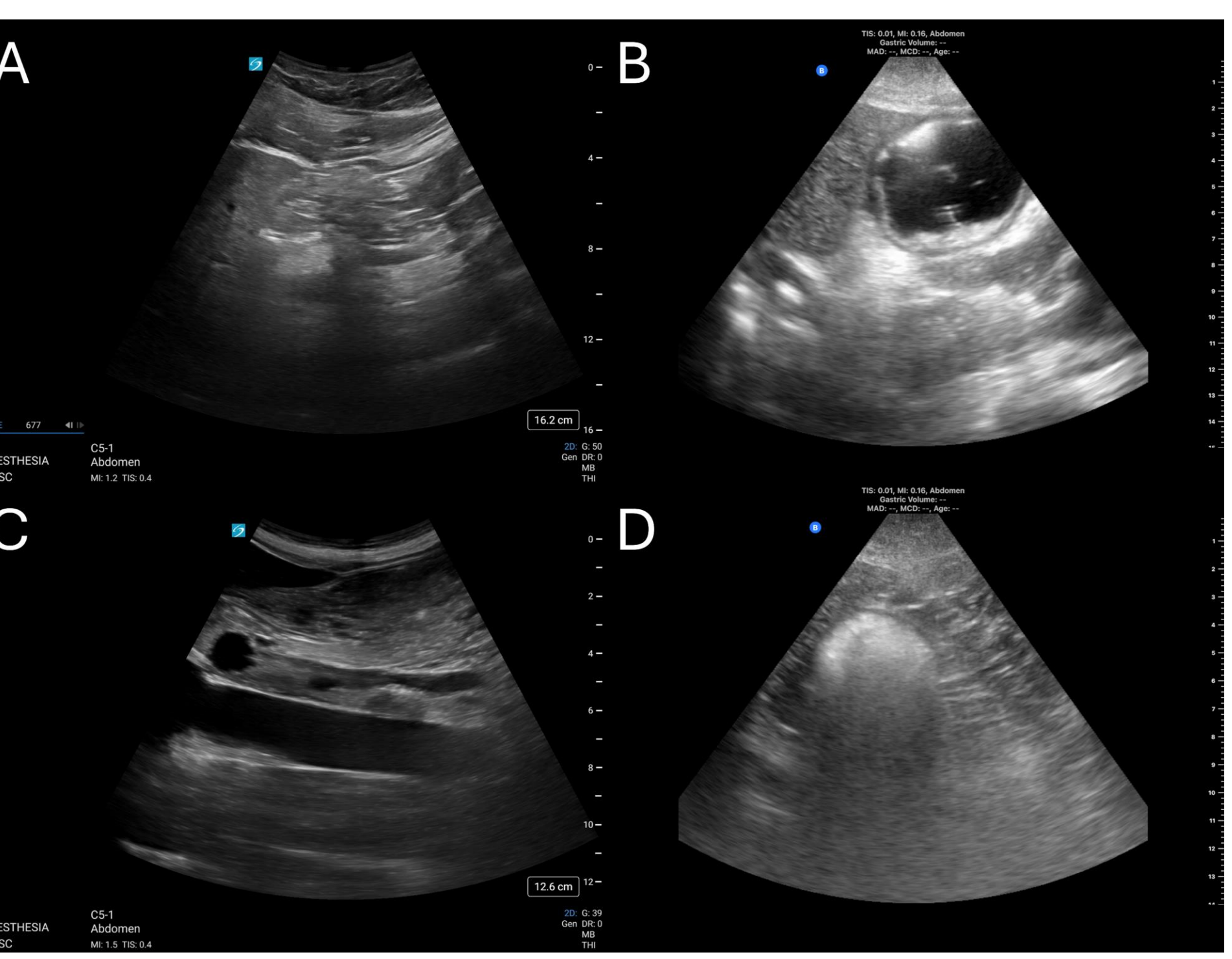
ISPCOP

SAGES

- Continue GLP-1 perioperatively
- Consider holding if risk factors are present
- Risk Factors
 - Recent escalation of GLP-1 dose
 - Higher doses of GLP-1
 - **WEEKLY DOSING**
 - Presence of GI symptoms
 - Medical conditions that delay gastric emptying

METHODS

- Population → Diabetic patients undergoing elective surgery
- N = 206
 - 106 taking GLP-1, 100 control
- Preoperative gastric ultrasound
 - Gastric Volume in RLD
 - Perlas grade



A = empty

B = Clears

C = Thick
liquid/late
stage solids

D = recent
solids

Should we hold the GLP-1?

YES!*

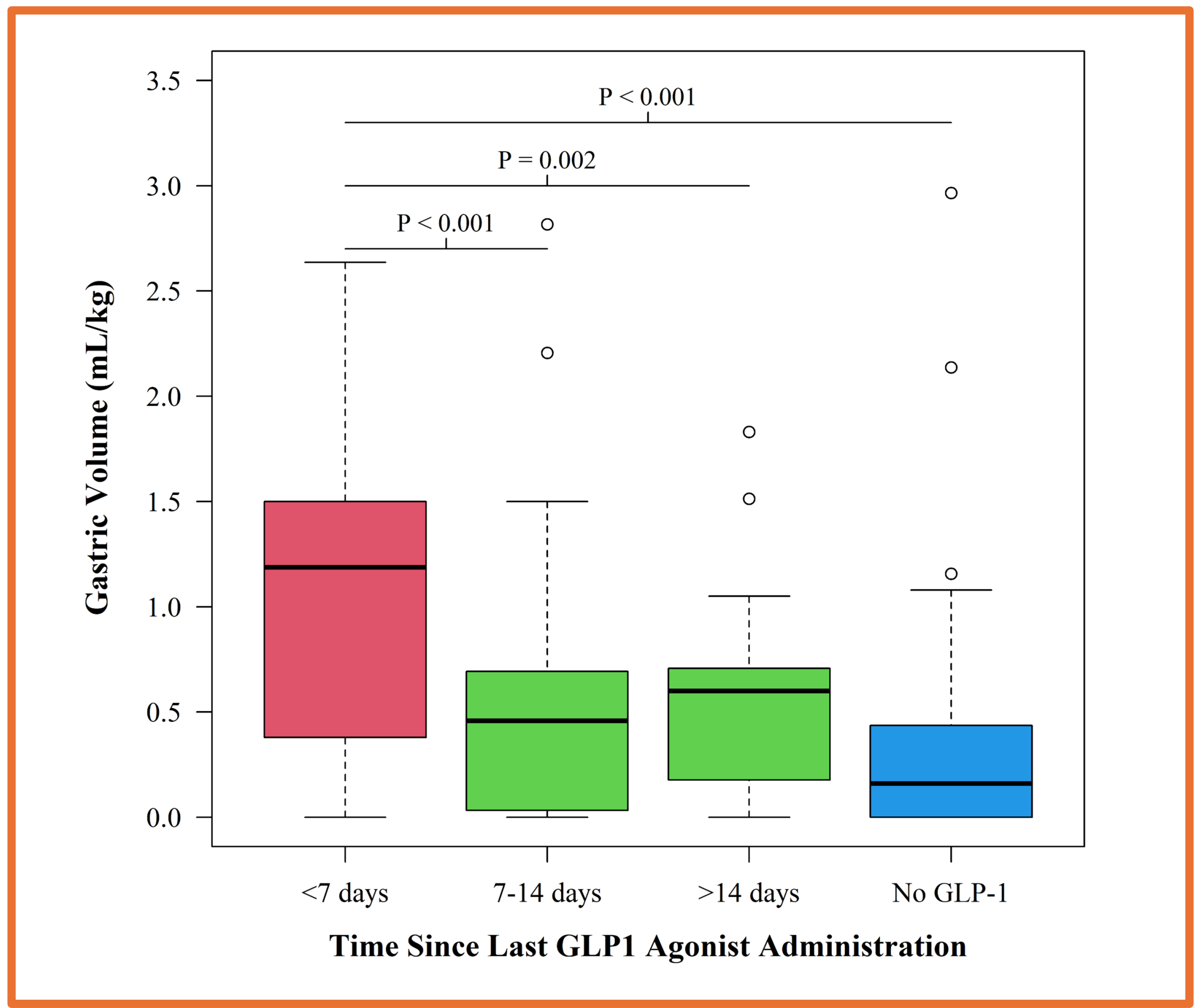
*But don't just cancel. Assess further!

+96.3% of our patients were WEEKLY dosed

- **SIGNIFICANT** increase in gastric volume if weekly GLP-1 taken within 7 days

- **11x risk of full stomach**

- Median GV ~3.8x higher in GLP-1 users



Median Gastric Volumes

- < 7 day = 1.2 mL/kg
- 7-14 days = 0.4 mL/kg
- > 14 days = 0.5 mL/kg
- Control = 0.2 mL/kg

RESULTS

- Median GV GLP-1 vs control
 - 0.61mL/kg vs 0.16mL/kg (p < 0.001)
- Odds of full stomach
 - OR 11.3 (p < 0.001)
- Increased Perlas grade in GLP-1 users (p < 0.001)
- 1 aspiration event in GLP-1 group (~1%)
- No difference in holding medication >7 days vs 7-14 days vs control (p < 0.001, p = 0.002, p < 0.001)

References

1. Van de Putte P, Perlas A. <https://doi.org/10.1111/anae.14164>
2. Perlas A, Mitsakakis N, Liu L, Cino M, Haldipur N, Davis L, et al. <https://doi.org/10.1213/ane.0b013e318274fc19>
3. Joshi GP, Abdelmalak BB, Weigel WA, Soriano SG, Harbell MW, Kuo CI, et al. <https://www.asahq.org/about-asa/newsroom/news-releases/2023/06/american-society-of-anesthesiologists-consensus-based-guidance-on-preoperative>
4. Kindel TL, Wang AY, Wadhwa A, Schulman AR, Sharaiha RZ, Kroh M, et al. <https://doi.org/10.1016/j.soard.2024.08.033>