

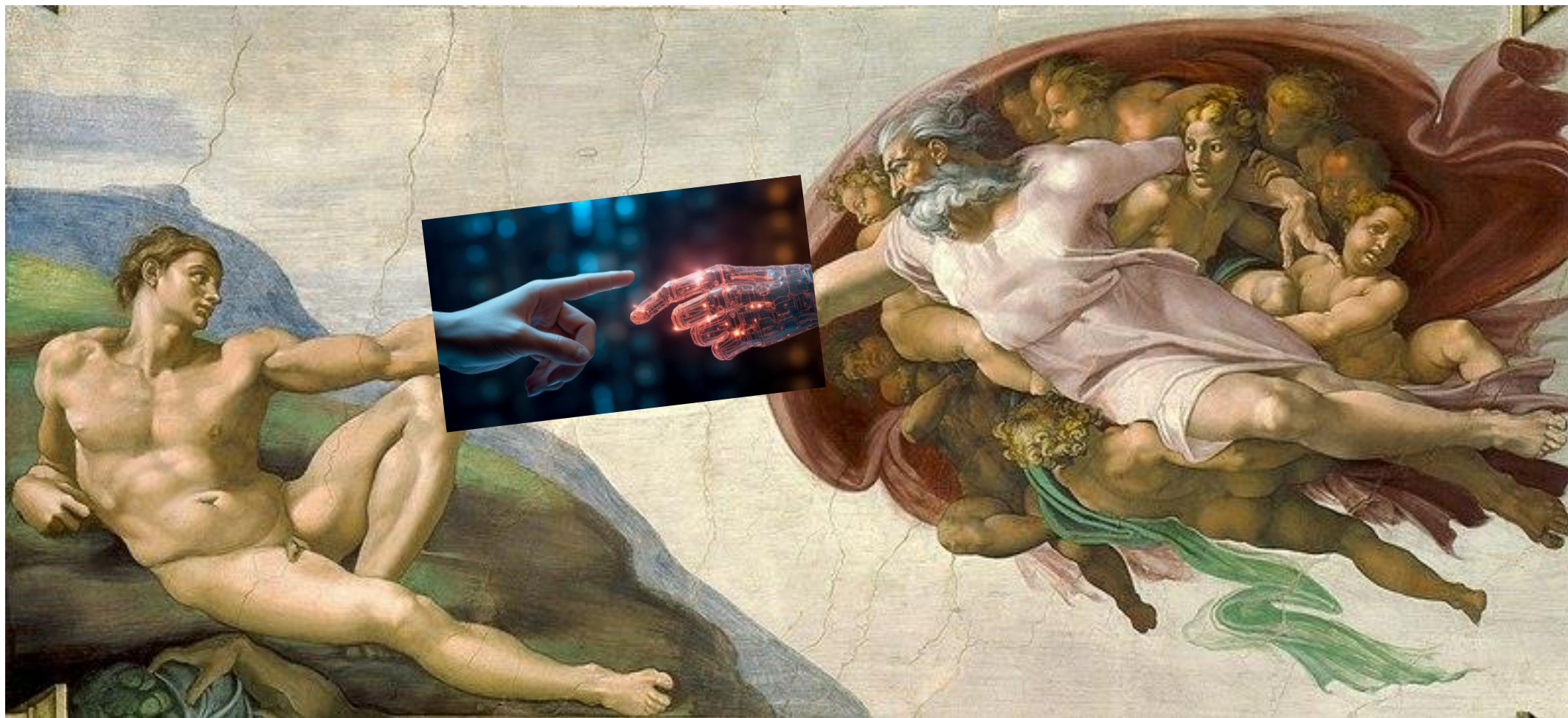
Innovative advances in bariatric surgery: assessing the efficacy of ChatGPT-4 in optimal surgical technique selection

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In accordance with «EACCME criteria for the Accreditation of Live Educational Events», **I have no potential conflict of interest to report**



Assessing the Accuracy and Reliability of AI-Generated Medical Responses: An Evaluation of the Chat-GPT Model

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Exploring the Potential of Chat GPT in Personalized Obesity Treatment

Sedat Arslan¹

Chat GPT and its potential role in medicine

Fatima Nazir¹, Shafaq Jawed², Syed Maaz Tariq²

A Chat(GPT) about the future of scientific publishing

Elisa L Hill-Yardin¹, Mark R Hutchinson², Robin Laycock³, Sarah J Spencer⁴

Evaluation of ChatGPT in surgical research

Sergi Sanchez-Cordero¹, Julio Mayol²



MAIN OBJECTIVE

Analyze the surgical technique selection by ChatGPT-4 in cases of Bariatric Surgery comparing it with the technique applied according to the algorithm of our hospital center



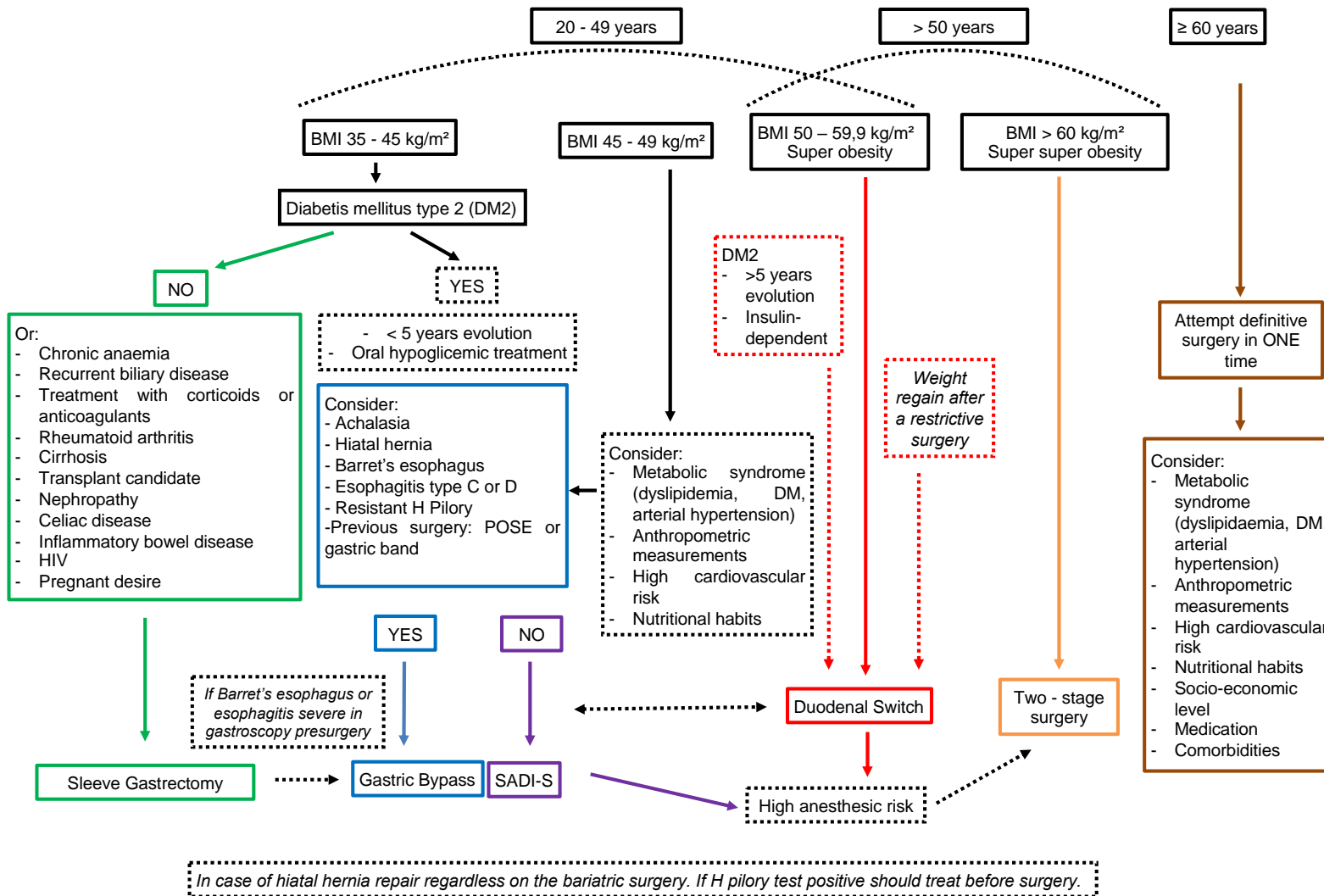
METHODS

Single-retrospective analysis January 2022 – December 2023

All candidates for bariatric surgery

1. Age, Sex
2. Medical and Surgical History
3. BMI max/current
4. Additional tests if necessary (gastroscopy, intestinal transit, phmetry...)

Same clinical information as the surgeon!



Which bariatric technique is considered the best option for this patient?

RESULTS

n = 161 patients (70'2% women; average age 50'9 +/- 9 y)

Average BMI max 46.05 kg/m² (+/- 5.62 SD)

97'5% laparoscopy – 97% primary surgery

HTN

Yes

51'5% (83)

DM

Yes, oral antidiabetics drugs

27'32% (44)

Yes, insuline

6,28 (10)

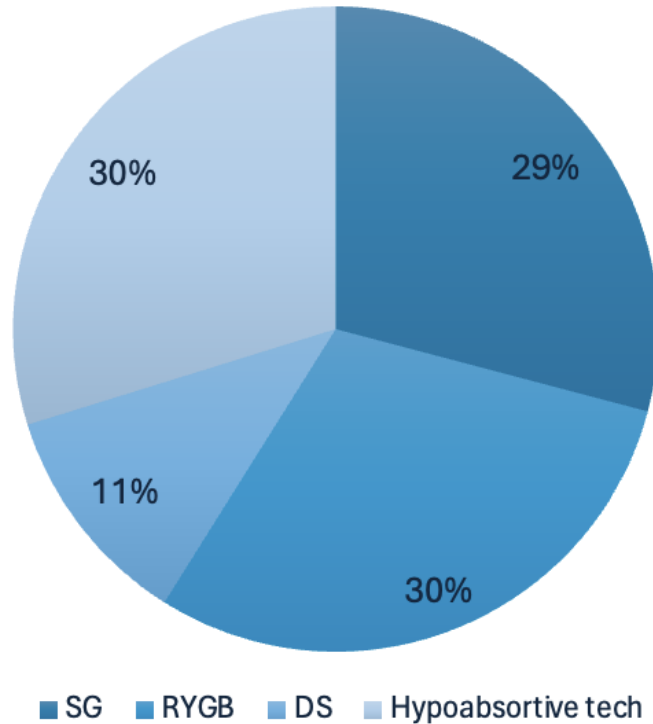
OSAS

Yes, CPAP

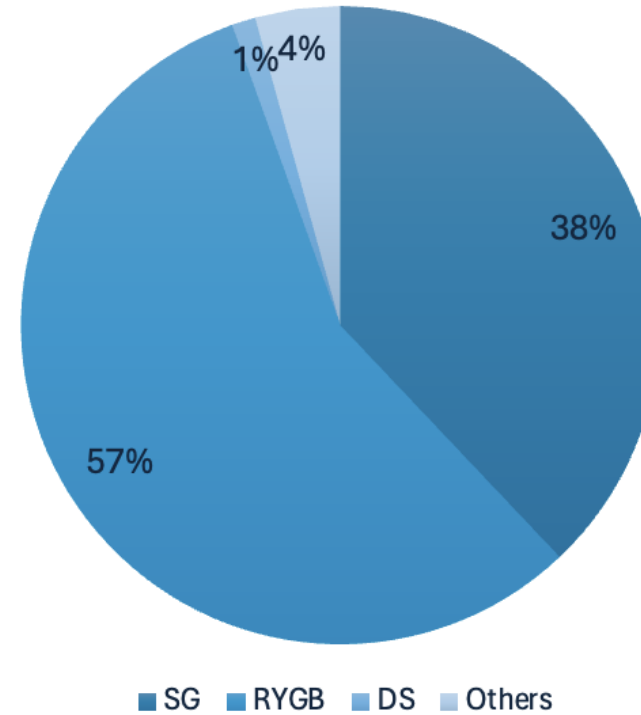
53,41% (86)

RESULTS

Surgical Algorithm – Gold Standard



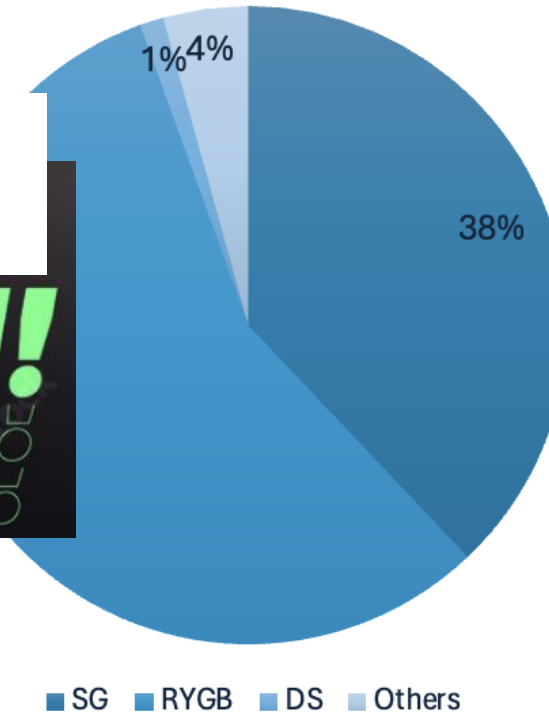
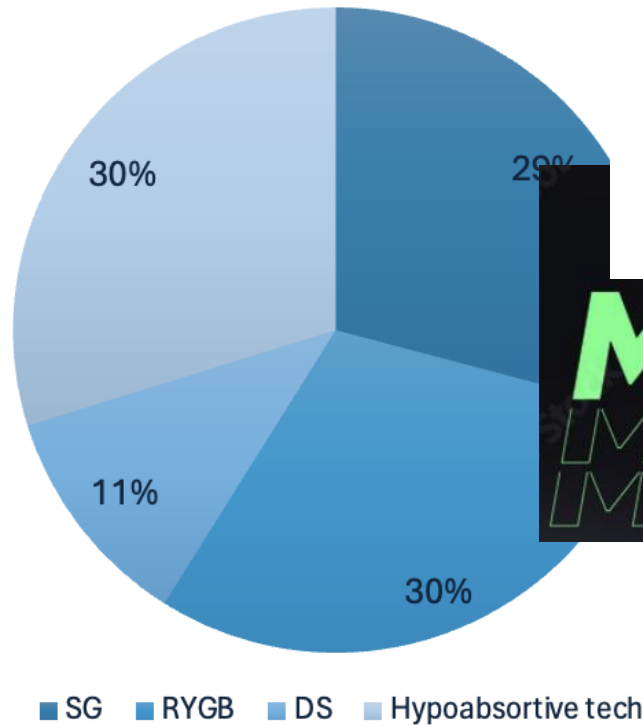
Chat GPT 4 Recommendations



RESULTS

Surgical Algorithm – Gold Standard

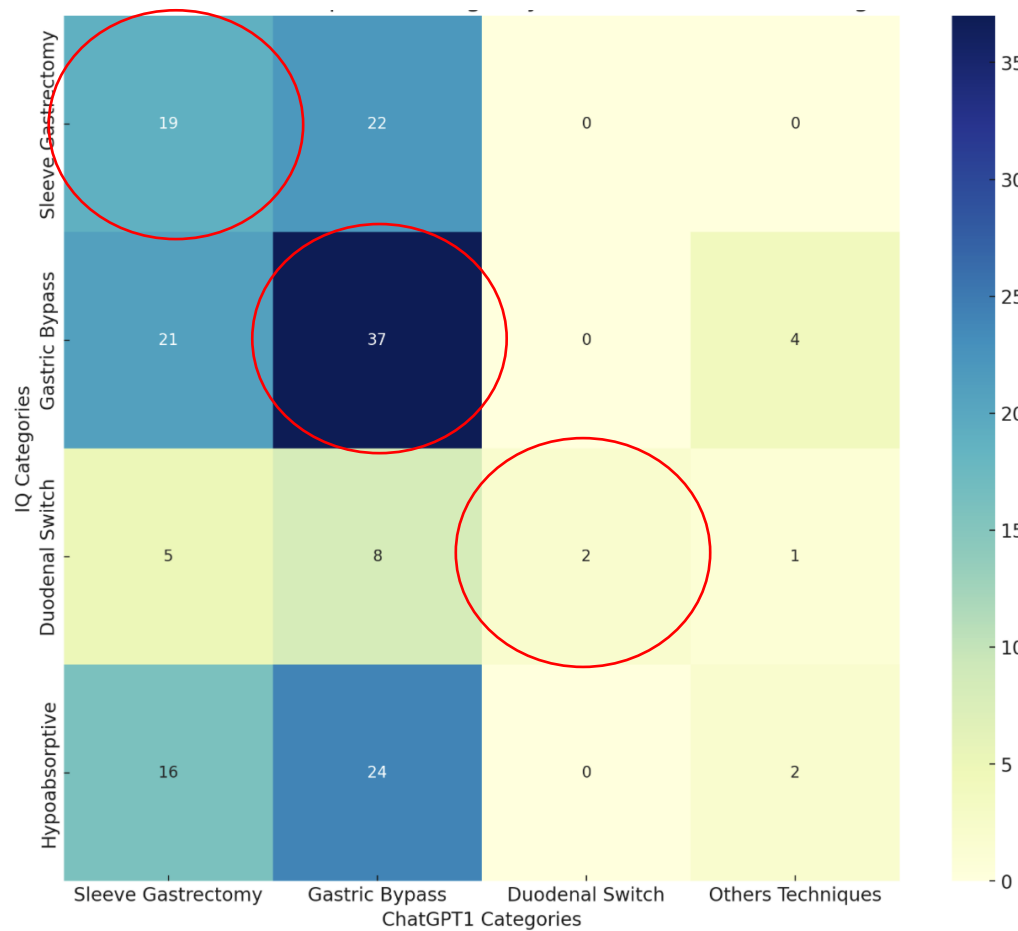
Chat GPT 4 Recommendations



34'16%
MATCH!



RESULTS



Cramer's V test – 0'0693



No correlation

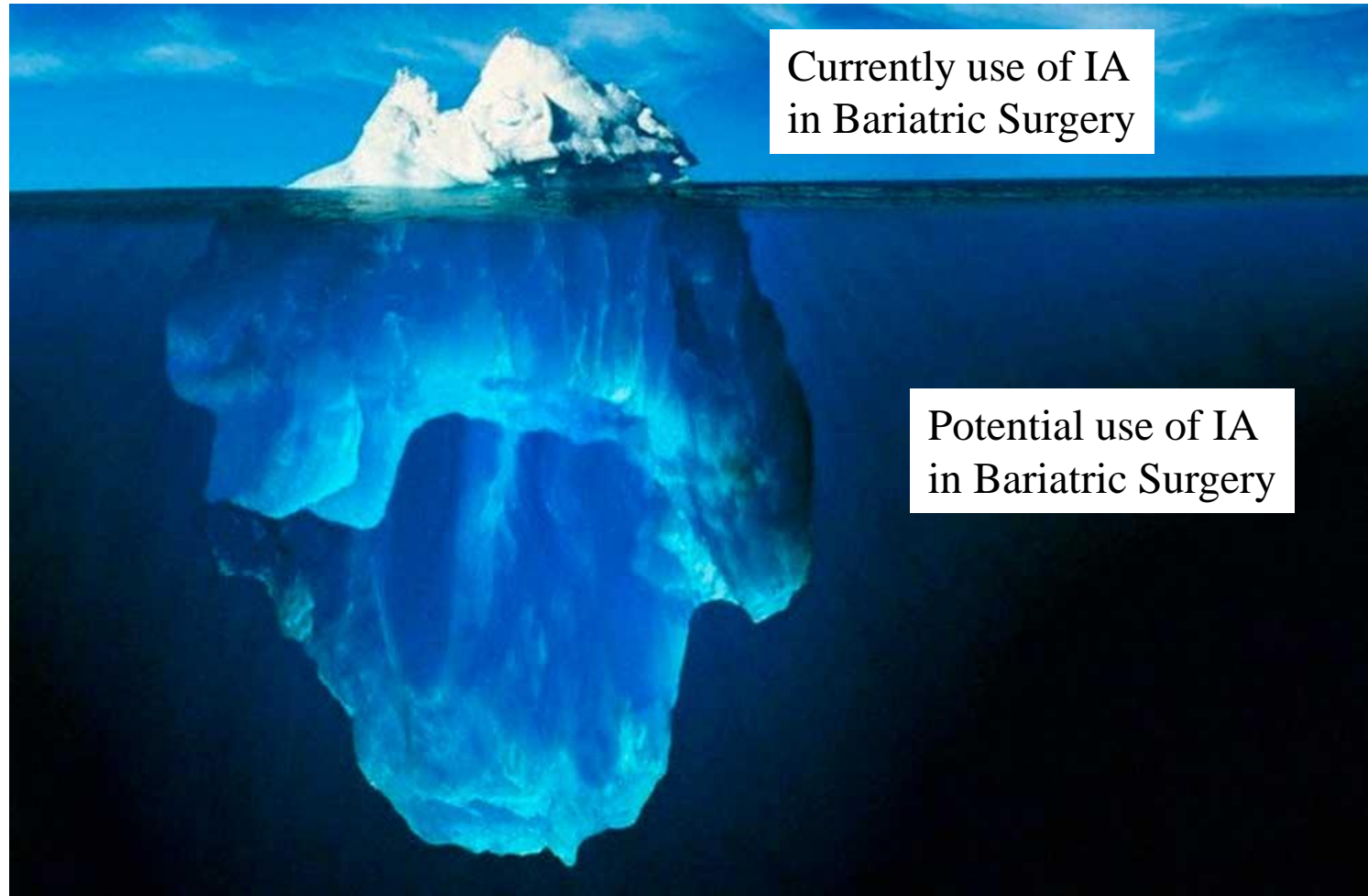


DISCUSSION

At the moment, we
can't determine
ChatGPT4 is useful
for surgical
technique selection



Training
Professional IA tools



CONCLUSION



CONCLUSION



Thank you!

