Utility of ChatGPT for Automated Creation of Patient Education Handouts: An Application in Bariatric Surgery

Jigish Khamar MD, Tania Kazi MD, Maryam Khan BA, Shrey Acharya BHSc, Yung Lee MD MPH, Bright Huo MD, Karim Ramji MD MBA, Vanessa Boudreau MD MSc, Aristithes Doumouras MD MPH, Dennis Hong MD MSc

Background

Challenges in patient education for bariatric surgery

Time constraints and limited resources

Methods

Literature Search (ASMBS) to identify Patient Handouts

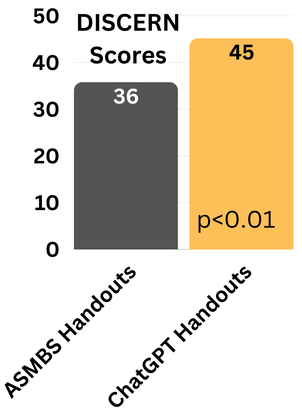
ChatGPT generated AI handouts

Handouts evaluated using DISCERN tool

Readability assessed with SMOG test

Data analyzed and compared

Results



Readability Scores

ASMBS Handouts: Grade 8

ChatGPT Handouts: Grade 11

Objectives

Use of AI (ChatGPT-4o mini)

Generating education materials

Improving patient accessibility & confidence

Research Objective

Evaluate feasibility of ChatGPT-generated patient handouts

Conclusions

1. AI-generated content is comprehensive and high-quality
2. Readability and accessibility need improvement
3. Future research should explore broader applications

Jigish Khamar, MD

General Surgery - PGY1
McMaster University, Hamilton, ON, Canada

Email: jigish.khamar@medportal.ca

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