Documentation of Quality of Care Data for Roux en Y Gastric Bypass: Comparison of Synoptic and Narrative Operative Reports

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Introduction

- Operative reporting is the foundation of surgical communication
- The quality indicators (QIs) contained in these reports can be used to document the performance of processes that affect patient care
- QIs may afford quality assurance with improvement in health care
- Survey data indicate that bariatric surgeons feel the quality of care may be impaired in the absence of such communication.
- Multiple investigations suggest that the quality of Narrative operative reports (NR) is poor.

Objective

- To assess the degree to which the electronic synoptic report (SR) documents the operative QIs compared to narrative reports (NR) for Roux en Y Gastric Bypass (RYGB).

Materials and Procedures

- 40 prospectively collected RYGB synoptic reports
- 40 case-matched historical NRs.
- Compared against checklist QIs that were established by a national Delphi process.
- These checklist QIs are validated and have high inter-rater agreement at our institution.

Results

- SR had a mean completion of 99.7% (+/-SD 1.3%) compared to 64.0% (+/-SD 6.3%) for NR (t=36.0, p<0.0001).
- All subsections of SR were >99% complete and significantly higher than NR (p<0.001), see **Table 1**.

Conclusions

- The RYGB synoptic report is superior to the narrative report for inclusion of accepted quality indicators.
- Important elements, including process of care, demographics, and anatomical-related data, were frequently missing from the NR.
- The SR is an encouraging method for improving documentation .
- The SR may serve as a measure of quality care in RYGB.

Table 1. Completeness of Synoptic (SR) vs Narrative (NR) Operative Reports

Subsection	#Items	SR completion (mean% +/- SD)	NR completion (mean% +/- SD)	p value
Overall	75	99.7 +/- 1.3	64.0 +/- 6.3	<0.001
Team Demographics	12	100 +/- 0	77.4 +/- 13.3	<0.001
Patient Details	8	99.8 +/- 1.9	37.5 +/- 10.0	<0.001
Pre-operative Events	5	99.6 +/- 3.1	36.6 +/- 19.7	<0.001
Operative Details	13	100 +/- 0	65.0 +/- 14.6	<0.001
Small Bowel Division Details	3	100 +/- 0	99.3 +/- 5.2	0.044
Entero-enterostomy Details	7	99.7 +/- 2.2	78.9 +/- 7.2	<0.001
Gastrojejunostomy Details	14	99.5 +/- 2.4	70.4 +/- 5.8	<0.001
Closure Details	10	99.5 +/- 3.1	58.0 +/- 17.4	<0.001
Post-operative Details	3	100 +/- 0	43.6 +/- 21.4	<0.001

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CONFLICT OF INTEREST DECLARATION

I, Shannon Stogryn declare that in the past 3 years:
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I have been a paid member of the following speakers' bureau:
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I have done paid speaking engagements for the following companies*:
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