

Textbook Outcomes After Esophagectomy: A Single-Centre Experience from a High-Volume Centre in Pakistan

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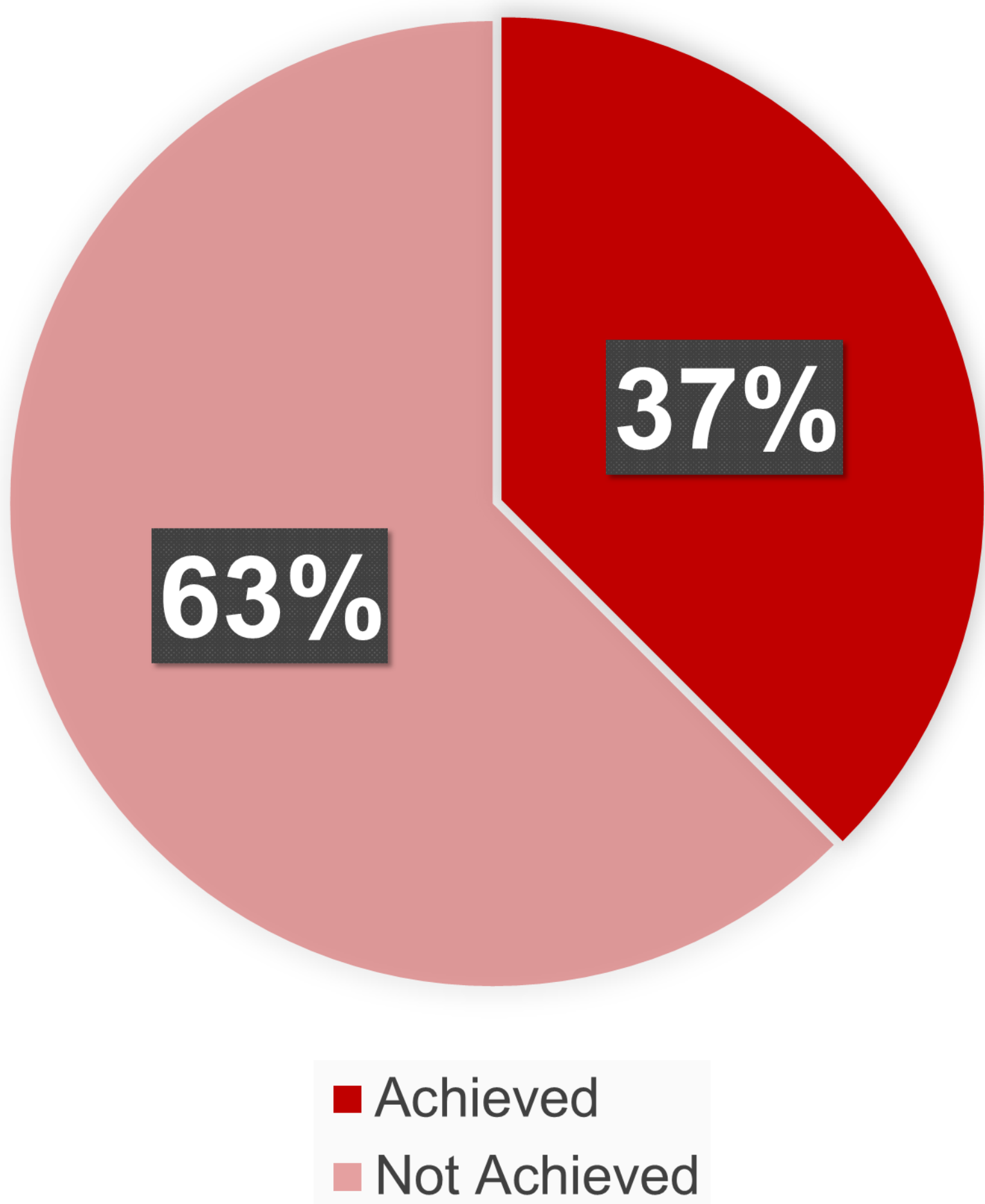
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OBJECTIVE

- To determine the rate of Textbook Outcome and Its individual components in patients undergoing esophagectomy.

Textbook Outcome Achieved



RESULTS

- The overall Textbook Outcome rate was **37.5% (33/88)**.
- Individual component success rates were excellent for avoiding ICU readmission (**98.9%**) and prolonged hospital stay (**97.7%**).
- The anastomotic leak rate was **3.4%**, and in-hospital mortality was **1.1%**.
- The most significant barrier to achieving TO was inadequate lymph node yield (<20 nodes), which occurred in **56.8%** of cases.
- Other reasons for failure included severe complications (10.2%) and margin positivity (3.4%).

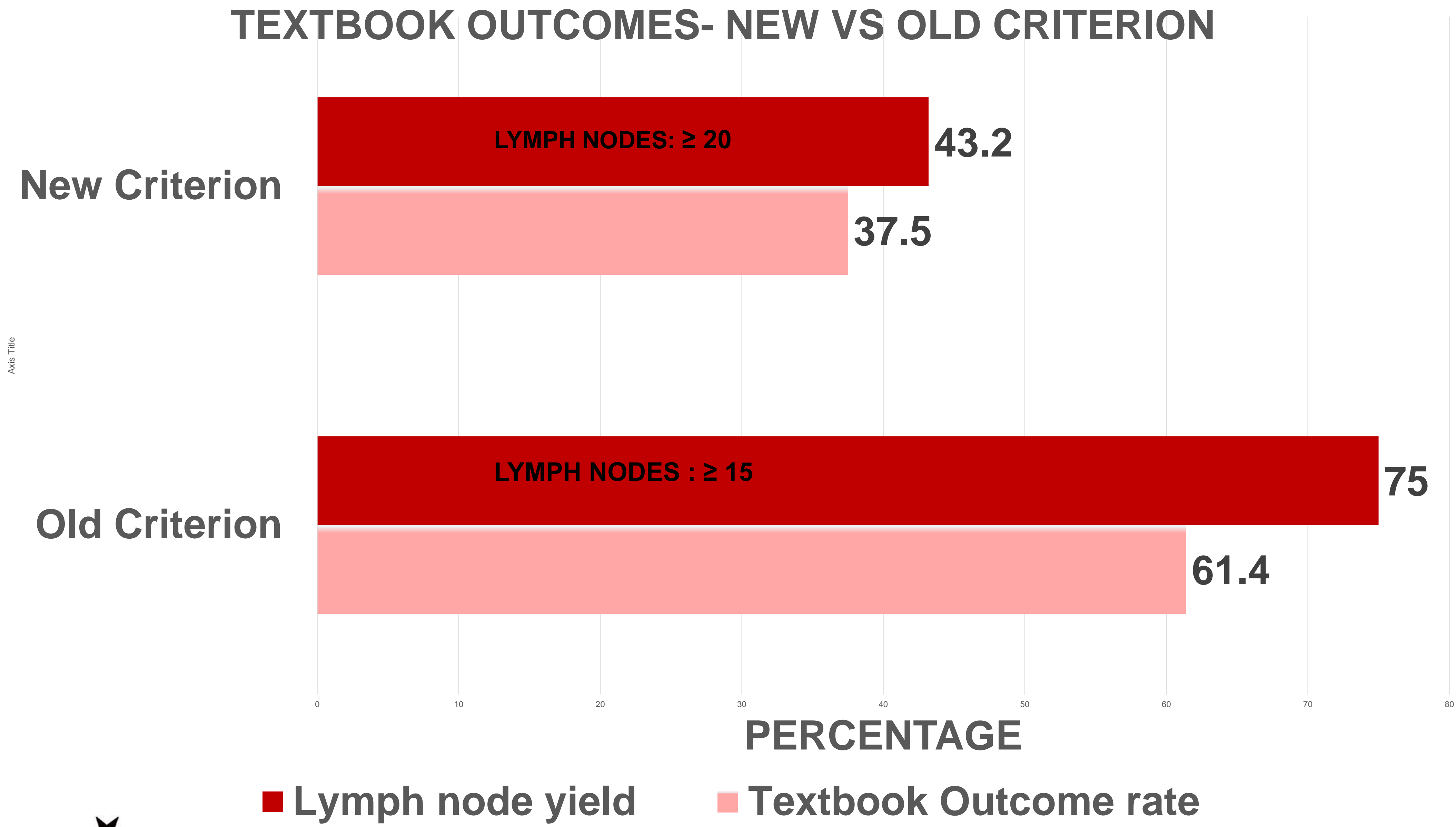
METHODS

- A retrospective observational study was conducted on all patients undergoing elective esophagectomy between April 2023 and April 2025.
- Textbook Outcomes (TO) was defined as the achievement of all the following criteria: R0 resection, retrieval of **≥20 lymph nodes**, no intraoperative complications, no severe postoperative complications (Clavien–Dindo ≥III), no anastomotic leak, no ICU readmission, no hospital readmission, hospital stay ≤14 days, and no in-hospital mortality.

TEXTBOOK OUTCOMES-INDIVIDUAL CRITERION MET

Criterion	Textbook Outcomes Rate (%)
Negative margin (R0)	96.6
Lymph node yield ≥20	43.2
No intraoperative complication	95.5
No CD ≥ Grade 3 complication	89.8
No anastomotic leak	96.6
No ICU readmission	98.9
Hospital stay ≤14 days	97.7
No in-hospital mortality	98.9
No surgical readmission	96.6

TEXTBOOK OUTCOMES- NEW VS OLD CRITERION



CONCLUSION

- The achievement of a Textbook Outcome in **37.5%** of patients provides a benchmark for quality and highlights a highly effective perioperative pathway in most domains.
- Lymph node yield below 20 remains the foremost modifiable factor preventing TO

