# PW 1.09



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# **Predictors of Nonhealing of Anal Fistula Following Ligation of Intersphincteric Fistula Tract Procedure**



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## Introduction

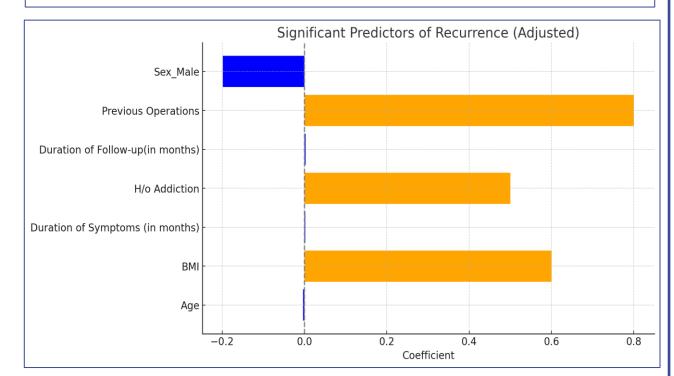
- Fistula-in-ano affects approximately 40% of patients with acute anorectal sepsis, presenting with symptoms such as perineal openings, purulent discharge, and pain.
- The Ligation of Intersphincteric Fistula Tract (LIFT) procedure is a sphincter-saving technique for managing fistula-in-ano.
- Despite its use, factors influencing nonhealing and recurrence of fistulas treated with LIFT remain insufficiently explored.
- This study aims to identify predictors of nonhealing and recurrence in primary, recurrent, simple, and complex anal fistulas treated with the LIFT procedure.

### **Materials & Methods**

- **Design** Record-based longitudinal study conducted between July 2021 and July 2022 at AIIMS Patna.
- **Study Population** 63 patients who underwent (LIFT) procedure for anal fistulas.
- Data Collection -
  - Demographic Details: Age, sex, BMI, addiction history, and comorbidities.
  - Clinical Presentation: Duration of symptoms,

## Conclusions

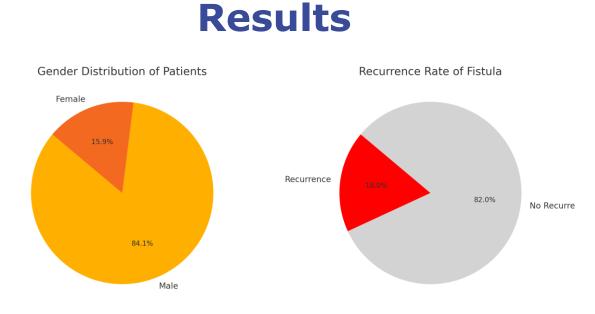
- Longitudinal Observational Study of 63 patients who underwent LIFT for Fistula in Ano.
- BMI and hospital stay are significantly associated with nonhealing. Smoking and previous fistula operations are risk factors for recurrence.
- Clinical Implications: Consider patient-related factors (BMI, smoking) in management. Optimize procedurespecific variables.
- Limitations: Small sample size, single-center design. Larger, multi-center studies needed.



- chief complaints.
- Operative Details: Type of procedure, intraoperative findings.
- Postoperative Outcomes: Pain scores, healing time, return to work, follow-up duration, and outcomes (healed, recurrence).
- **Primary Objective:** Identify factors associated with nonhealing.
- Secondary Objective: Assess postoperative complications, healing timelines, and quality of life.

#### **Inclusion Criteria**

- Primary, recurrent, simple, and complex fistula
- Age >18 years
- Patients who have completed at least 3 months of follow-up



#### **1.Demographics and Clinical Characteristics**

- 1. Average age of patients: 48.2 years
- 2. Sex distribution: 53 males, 10 females
- 3. Average BMI: 26.4

#### 2.Primary Outcomes

- Significant associations were found between nonhealing and BMI (OR: 1.1, 95% CI: 1.01-1.3) and length of hospital stay (OR: 1.32, 95% CI: 1.02-1.77).
- 2. Recurrence rate: 18%

#### **3.Risk Factors for Recurrence**

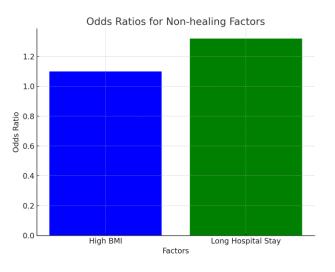
- 1. Smoking and previous fistula operations were identified as significant risk factors.
- 2. Failure rates: Similar for simple (33.3%) and complex (35.1%) fistulas.

#### 3. Postoperative Outcomes

- 1. Common symptoms: Pain, discharge per rectum
- 2. Median healing time: 17 days
- 3. Time to return to work: 14-18 days
- 4. Follow-up duration: 6-24 months

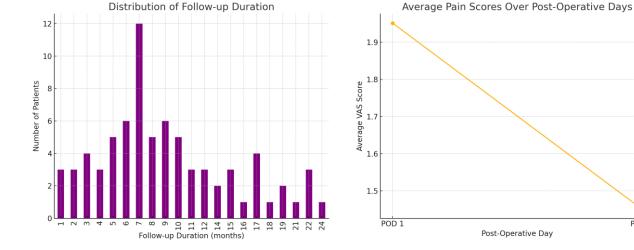
#### 4. Quality of Life

- 1. Postoperative complications were minimal, with no reported cases of incontinence.
- 2. Overall satisfaction and quality of life improved post-surgery.





POD 2



### References

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