
DEDER GENERAL HOSPITAL

STG Compliance/Adherence Monitoring Report

Condition: Appendicitis

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July ,2017EC

DEDER, ETHIOPIA

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1. Introduction

Appendicitis is the most frequently encountered surgical emergency in general hospitals and requires timely diagnosis and management to prevent complications such as perforation, peritonitis, or abscess formation. The Ethiopian **Standard Treatment Guidelines (STGs)** offer clear, evidence-based protocols to ensure effective, safe, and standardized management of this condition across all levels of care.

This report presents the results of a focused **STG compliance audit** for appendicitis cases at **Deder General Hospital**, conducted to evaluate alignment with national standards and improve surgical care quality.

2. Objectives

2.1 General Objective

- To assess adherence to Ethiopia's national Standard Treatment Guidelines in the diagnosis, treatment, and follow-up of patients with appendicitis.

2.2 Specific Objectives

- To evaluate whether clinical history and physical examinations were properly documented.
- To assess use of diagnostic tests and imaging as per the STG.
- To examine surgical and perioperative care practices.
- To verify compliance in postoperative complication monitoring and follow-up care.
- To identify opportunities to sustain or enhance quality of appendicitis care.

3. Methodology

3.1 Study Area

This audit was conducted at **Deder General Hospital**, located in East Hararghe Zone, Oromia Region, serving as a general referral center.

3.2 Study Design

A **retrospective chart audit** using a structured STG-based checklist.

3.3 Study Period

Medical records were reviewed for cases managed between **June 8 and July 8, 2017 E.C.**

3.4 Sample Size and Inclusion Criteria

- **Number of charts reviewed:** 4
- Inclusion: All appendicitis cases surgically managed with adequate documentation of diagnosis, treatment, and follow-up.

3.5 Data Collection Tool

A **12-point checklist** based on STG parameters for appendicitis was used to determine compliance for each case. Each item was scored as:

- **Compliant (1)**
- **Non-Compliant (0)**

Results were summarized quantitatively and narratively.

4. Results

All **4 patient records** demonstrated **100% compliance** with the national STGs for appendicitis management.

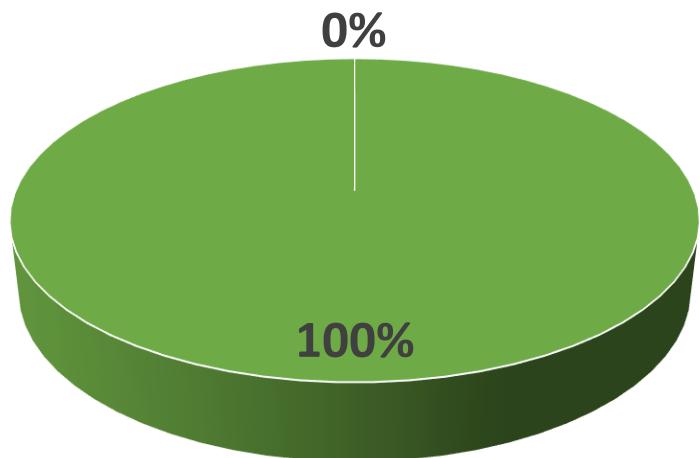
Table 1: STG Compliance Summary – Appendicitis (n = 4)

S/N	Criteria	Compliant	Non-Compliant
1	Was the history comprehensive and documented?	4	0
2	Were appropriate diagnostic tests ordered (e.g., CBC, ultrasound)?	4	0
3	Was a differential diagnosis included?	4	0
4	Was the diagnosis documented in line with STG criteria for appendicitis?	4	0
5	Were relevant diagnostic tools (e.g., ultrasound/CT) used appropriately?	4	0
6	Was the treatment choice in accordance with the STG (e.g., surgery indicated)?	4	0

S/N	Criteria	Compliant	Non-Compliant
7	Were preoperative antibiotics prescribed and fasting protocols followed?	4	0
8	Was the correct surgical procedure performed (e.g., open/laparoscopic appendectomy)?	4	0
9	Were perioperative protocols followed (e.g., antibiotic prophylaxis, sterile technique)?	4	0
10	Was the patient monitored for complications (e.g., infection, wound dehiscence, ileus)?	4	0
11	Was pain managed according to guidelines?	4	0
12	Were follow-up visits scheduled within the STG-recommended time frame?	4	0
	Total	48	0
	Compliance Rate	100%	0%

PIECHART: SW APPENDICITIS (STG) Compliance Monitoring Report 4th qrtr 2017ec

SW APPENDICITIS (STG) Compliance Monitoring Report 4th qrtr 2017ec



■ COMPLIANT ■ NON-COMPLIANT

5. Discussion

This audit confirms that Deder General Hospital demonstrated **100% compliance** across all twelve STG-based indicators for appendicitis care. All four reviewed patients received timely diagnosis, proper investigations, surgical intervention per guideline, perioperative management, and scheduled follow-ups.

The documentation was thorough, with all surgical and nursing teams adhering to infection prevention protocols, pain control regimens, and discharge procedures. This high level of compliance reflects the hospital's commitment to standardized care, routine clinical audits, and ongoing quality improvement efforts.

Although the sample size was limited, the findings strongly suggest excellent integration of STG principles into surgical practice. Expanding audits to more cases and different conditions will help sustain and further institutionalize this quality.

6. Recommendations

- Sustain current STG-compliant practices for appendicitis care.
- Expand clinical audits to include other emergency surgeries (e.g., bowel obstruction, trauma).
- Maintain regular training on surgical protocols and documentation standards.
- Share this audit success during staff meetings to reinforce best practices.
- Integrate compliance reviews into monthly morbidity and mortality (M&M) discussions.

7. Action Plan

Action Item	Responsible Unit	Timeline	Performance Indicator
Conduct monthly audits for surgical STG compliance	Quality Improvement Team	Monthly	Quarterly reports completed
Present appendicitis audit findings in meetings for shared learning	Clinical Director & Sw head	Immediately	Meeting minutes with case discussion documented
Scale up audit scope to include other emergency surgical conditions	QA Team	Immediately	Broader range of audited conditions

8. Conclusion

The audit of **4 appendicitis cases** managed at Deder General Hospital during **June 8 – July 8, 2017 E.C.** revealed **100% compliance** with Ethiopia's Standard Treatment Guidelines. This reflects a strong system of clinical governance and standardized care delivery in surgical services. The hospital is well-positioned to maintain this level of excellence and extend quality assurance practices to additional procedures and departments.

9. References

1. Federal Ministry of Health Ethiopia. *National Standard Treatment Guidelines for General Hospitals – 3rd Edition*. Addis Ababa: FMOH, 2014.
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3. Ethiopian Essential Best Care (EBC) Framework. Federal Ministry of Health, 2014.
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