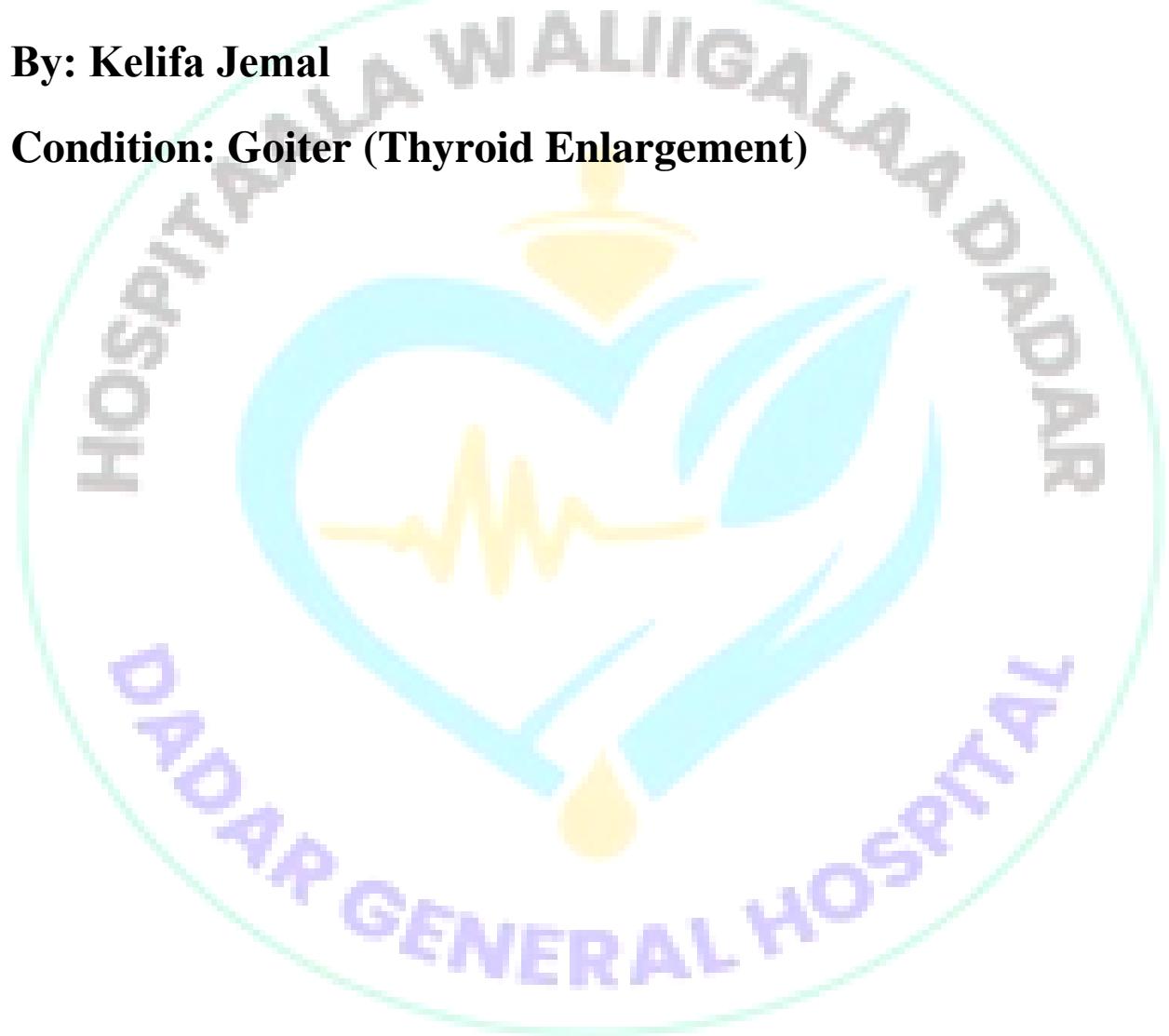


DEDER GENERAL HOSPITAL

Standard Treatment Guideline (STG) Compliance Monitoring Report

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Condition: Goiter (Thyroid Enlargement)



**JULY, 2017EC
DEDER, ETHIOPIA**

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1. Introduction

Goiter, or enlargement of the thyroid gland, is a commonly encountered condition in both outpatient and inpatient clinical settings. It may arise due to various causes including iodine deficiency, autoimmune disease, and thyroid nodules. Management of goiter requires a systematic approach that includes history taking, relevant diagnostics, medical or surgical treatment, and long-term follow-up.

To ensure standardized, high-quality care, the Federal Ministry of Health of Ethiopia has developed Standard Treatment Guidelines (STGs) that serve as national references for clinical decision-making. As part of the Essential Best Care (EBC) initiative, Deder General Hospital conducts regular clinical audits to monitor adherence to STGs. This report presents findings from an audit of one goiter case managed during the period from **June 8 to July 8, 2017 E.C.**

2. Objectives

2.1 General Objective

- To assess the level of adherence to national Standard Treatment Guidelines (STG) in the management of goiter at Deder General Hospital.

2.2 Specific Objectives

- To evaluate whether key diagnostic procedures were performed according to STG.
- To assess whether medical or surgical treatment provided was consistent with national protocols.
- To examine the documentation and implementation of post-treatment care and follow-up.
- To identify opportunities for sustaining high-quality care in thyroid disorder management.

3. Methodology

3.1 Study Area

The study was conducted at **Deder General Hospital**, a public general hospital located in East Hararghe Zone, Oromia Region, Ethiopia. The hospital provides comprehensive medical and surgical care to a diverse population.

3.2 Study Design

A retrospective clinical audit of one goiter case was conducted using a standardized STG compliance checklist.

3.3 Study Period

The review was conducted for the period **June 8 – July 8, 2017 E.C.**

3.4 Study Population and Sample Size

Only **one patient** was diagnosed and treated for goiter during the defined audit period. The case met the inclusion criteria for the audit.

Sample size: 1

3.5 Inclusion Criteria

- All patients managed for goiter at Deder General Hospital during the study period.
- Availability of complete clinical documentation including diagnosis, treatment, and follow-up.

3.6 Exclusion Criteria

- Incomplete medical records.
- Patients referred elsewhere before receiving definitive treatment.

3.7 Data Collection and Analysis

A 12-criteria checklist derived from the national STG for goiter management was used. Each parameter was assessed as either **Compliant (1)** or **Non-Compliant (0)**. The findings were summarized in tabular form and described narratively.

4. Results

The single patient reviewed demonstrated **full compliance** across all 12 standard care criteria for goiter management. The case was appropriately assessed, diagnosed, treated, monitored for complications, and scheduled for follow-up per national STG.

Table 1: STG Compliance for Goiter Case (n = 1)

| S/N | STG Compliance Criteria | Compliant (1) | Non-Compliant (0) |
|-----|--|---------------|-------------------|
| 1 | Was the patient's clinical history comprehensive and documented? | 1 | 0 |

| | | | |
|-------------------------------|--|-----------|----------|
| 2 | Were appropriate diagnostic tests (e.g., TSH, ultrasound) ordered? | 1 | 0 |
| 3 | Was the diagnosis consistent with STG criteria? | 1 | 0 |
| 4 | Was imaging or other diagnostic support used appropriately? | 1 | 0 |
| 5 | Was the treatment choice (medical or surgical) based on STG guidelines? | 1 | 0 |
| 6 | Were medications prescribed according to the STG (e.g., thyroid hormone or antithyroid drugs)? | 1 | 0 |
| 7 | Was thyroid hormone therapy prescribed when indicated? | 1 | 0 |
| 8 | Were antithyroid drugs used in hyperthyroidism cases, if applicable? | 1 | 0 |
| 9 | Was surgery indicated and performed according to the STG? | 1 | 0 |
| 10 | Was the surgical procedure appropriate for the goiter type? | 1 | 0 |
| 11 | Was the patient monitored for complications (e.g., bleeding, infection)? | 1 | 0 |
| 12 | Was follow-up care scheduled and documented? | 1 | 0 |
| Total Compliance Score | | 12 | 0 |

PIECHART: SW GOITER STG MONITORING COMPLIANCE IN GRAPH

SW (STG) Compliance Monitoring Report 4th qrtr

2017ec

0%

100%

■ COMPLIANT ■ NON-COMPLIANT

5. Discussion

The audit findings show that the goiter case managed during the audit period was handled in full alignment with national Standard Treatment Guidelines. The case was appropriately assessed through detailed clinical history, physical examination, and diagnostic tests including TSH and imaging.

The treatment decision—whether surgical or medical—was made based on STG recommendations. The patient underwent surgery appropriately, with attention to aseptic procedures and intra-operative protocols. Complication monitoring and follow-up were conducted per guidelines, and documentation was complete across all points of care.

Although only one case was reviewed, the result demonstrates strong capacity and readiness at Deder General Hospital to deliver standardized care in thyroid disease management. Future audits with more cases will provide a more comprehensive view of ongoing practice consistency.

6. Recommendations

- Maintain current levels of STG compliance in thyroid care.
- Ensure continued staff awareness through regular review meetings and internal feedback.
- Encourage other departments to adopt a similar audit-based improvement process.

7. Action Plan

| Action Item | Responsible Body | Timeline | Performance Indicator |
|---|--------------------------|---------------------|--|
| Continue routine STG compliance audits for goiter and related conditions | Quality Improvement Team | Quarterly (ongoing) | Quarterly audit reports completed and documented |
| Sustain current performance through regular staff engagement and feedback | Hospital Management & QA | Continuous | >90% adherence maintained in future STG audits |

8. Conclusion

The review of a single goiter case at Deder General Hospital from **June 8 to July 8, 2017 E.C.** revealed **100% compliance** with the national Standard Treatment Guidelines. This outcome

reflects effective use of clinical protocols, adequate staff competency, and proper recordkeeping. To maintain this high performance, the hospital should continue monitoring and encourage the same standard in future cases.

9. References

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