Improved linen management process for safe laundry treatment

E.Kim[1], M.Kim[1], S.Kim[1], J.Koo[1], S.Kim[1]

1 [1]*Seoul National University Bundang Hospital – Bundang, Seongnam City, Republic of Korea*

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INTRODUCTION

• Even when outsourcing medical laundry services to , Clean linen should not be contaminated with building dust or outside air during transportation.
To do this, the linen must be wrapped or fully wrapped and stored in a closed space with the door closed.

• The "Medical Institution Laundry Management Rules" dictate that laundered linens be organized by type in a hygienic location separate from the collection area. Hospital laundry is a significant focus of infection control, with increasingly stringent preventive measures.

• Linen is sometimes stored outside the linen room because there is a lack of storage space and difficulty in inventory management. To solve this problem, improvement activities were carried out with the radiology department, surgical nursing team, and ward nursing team.

AIM

• **Problem Analysis**

The average daily rate of laundry stored outside the linen room was 48.8% as a result of data analysis. In addition to the lack of storage space, four main reasons have been identified

(1) Difficulty in storage management

(2) Difficulty in inventory management

(3) Diversity of managed items

(4) Lack of awareness in purpose management

• **Key Indicators and Objectives**

The key indicator was to efficiently manage laundry, aiming to reduce the rate of linens stored outside the linen room from the **current level of 48.8% to 24%**

RESULTS

1) Improve storage management

• Linen room space rearrangement, improved storage management using laundry company delivery carts

• Improved storage management through adjustment of delivery and withdrawal times

***2)* Improve inventory management**

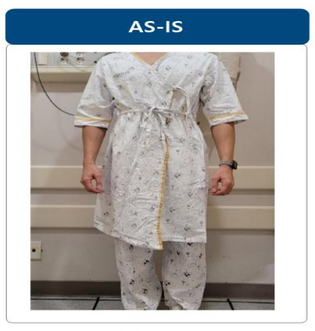
• After determining the actual required quantity of the user department, register it in the computer system

• Delivery will be carried out after reviewing holiday shortage items

3) Improve care items

• Introduction of disposable examination gowns after reviewing cost-effectiveness analysis

division	Linen	Disposable Examination gown
Purchase cost	367 won	1,189 won
Laundry cost	1,059 won	-
Disposal cost	755 won	In-hospital self-incineration



• Consolidation of linen specifications and clearance of unused items

• Unisex surgical gown production

4) Improve use management

• Introduction of linen shelves in the operating room

• Linen Use Management and Education

METHOD

Improvement Method

① Improve storage management	② Improve inventory management	③ Improve care items	④ Improve use management
Change the method of laying out the linen room	Identify the required amount of water purified by department by department	Review all linen items	Change in operating room linen management method
Change the method of loading linen	Register the required amount of water purified by department	Unisex surgical gown	Linen use management training
Change disbursement time	Change in method of distributing linen during holidays	Introduction of disposable examination gowns	Field survey of linen usage department

CONCLUSIONS

• **Storage rate of linen outside the linen room has been reduced through improvement activities (48.8% -> 15.7%)**

• **Ability to manage required quantity by item**

• **Improved work efficiency due to reduced stock**

ACKNOWLEDGEMENT

I would like to thank our colleague for joining us in improving processes for safe laundry management.

REFERENCES

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CONTACT INFORMATION

ziwon22@snubh.org