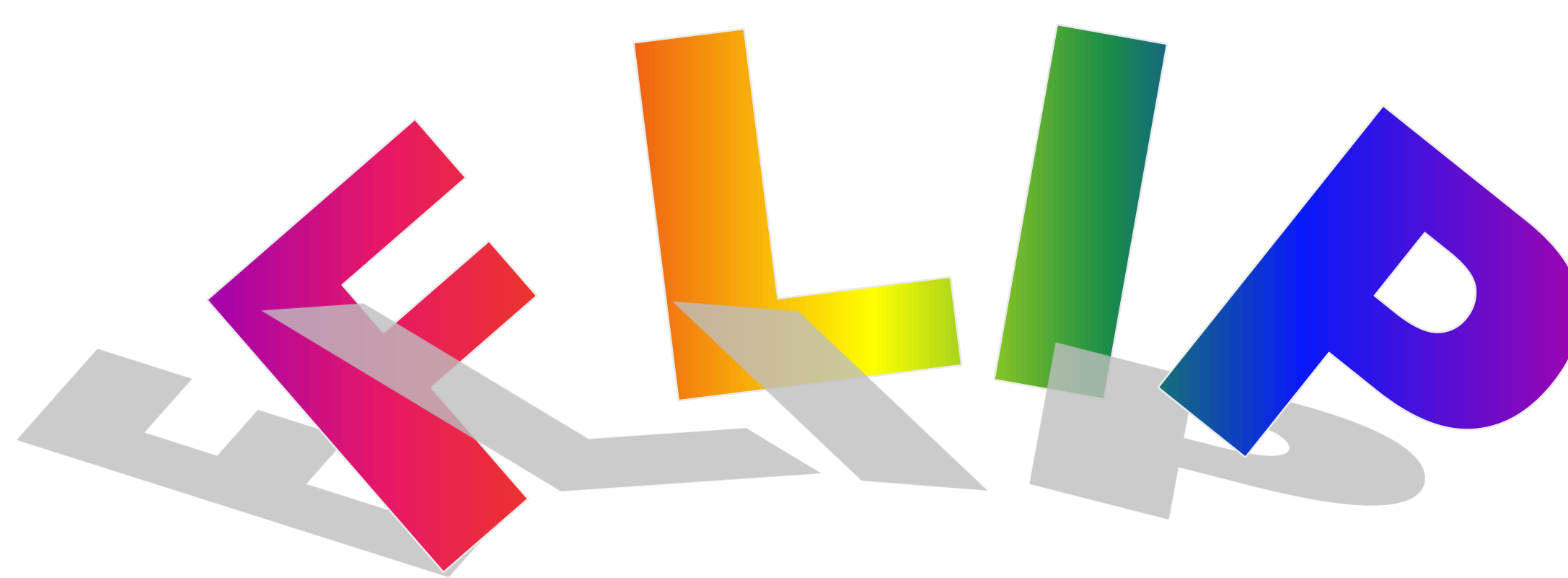




Singapore Healthcare Management 2018



FLOATING LOOSE INSTRUMENTS PLATFORM



National Dental Centre Singapore

SingHealth

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INTRODUCTION(WHAT IS THE PROBLEM)

LAOT faces the problem of lack of storage space for the instruments-Figure 1. A team is formed to review the internal processes with the aim to resolve the lack of storage issue. Due to lack of storage spaces , the pouches(packed instruments) were being punctured at time which resulted in the need for re-sterilisation.

OBJECTIVES

The team aims to resolve the storage issue in 3 month's time.



Figure 1a



Figure 1b

UNDERSTANDING THE ROOT CAUSES

The team used 5 WHY technique and to understand that the root cause of the problem is space is used up for storage of loose instruments which were rarely used by the clinicians. There are about 4 to 6 sets of each loose instrument and as a result , there is limited space for the standard sets of instruments. There is a shelf-life of six months for the sterilized instruments. Whenever the six month shelf life is up , the un-used instruments will be re-sterilized which is a wastage of company's resources.

PROPOSED INTERVENTIONS

The team came up with the following interventions and piloted them in LAOT for 2 months :

1. To derive the quantity required for each loose instrument based on the norm.
2. Communication between LAOT and CSSD on the required number of loose instruments.

RESULTS (SHOW THE RESULTS BEFORE AND AFTER INTERVENTIONS)

The results after interventions showed there is no more storage issue-Figure 2 and the following are some benefits derived from this project :

S/No.	Before	After
1	1 manday is spent every 3 monthly to carry out the inventory management.	0.5 manday is spent quarterly to conduct the inventory management.
2	Time is spent repacking the instruments.	No need/Cut done on the frequency to repack the instruments.
3	Electricity is used to autoclave the expired packed loose instruments.	No need to autoclave the expired loose instruments.
4	Lifespan of instruments will be shorter due to constant sterilizing.	Lifespan of instruments will be shorter due to constant sterilizing.

SUSTAINABILITY AND SPREAD

The team will continue to monitor the results and share the project with the other clinics during the regular department meeting.

Available space after interventions (Figures 2a & 2b)

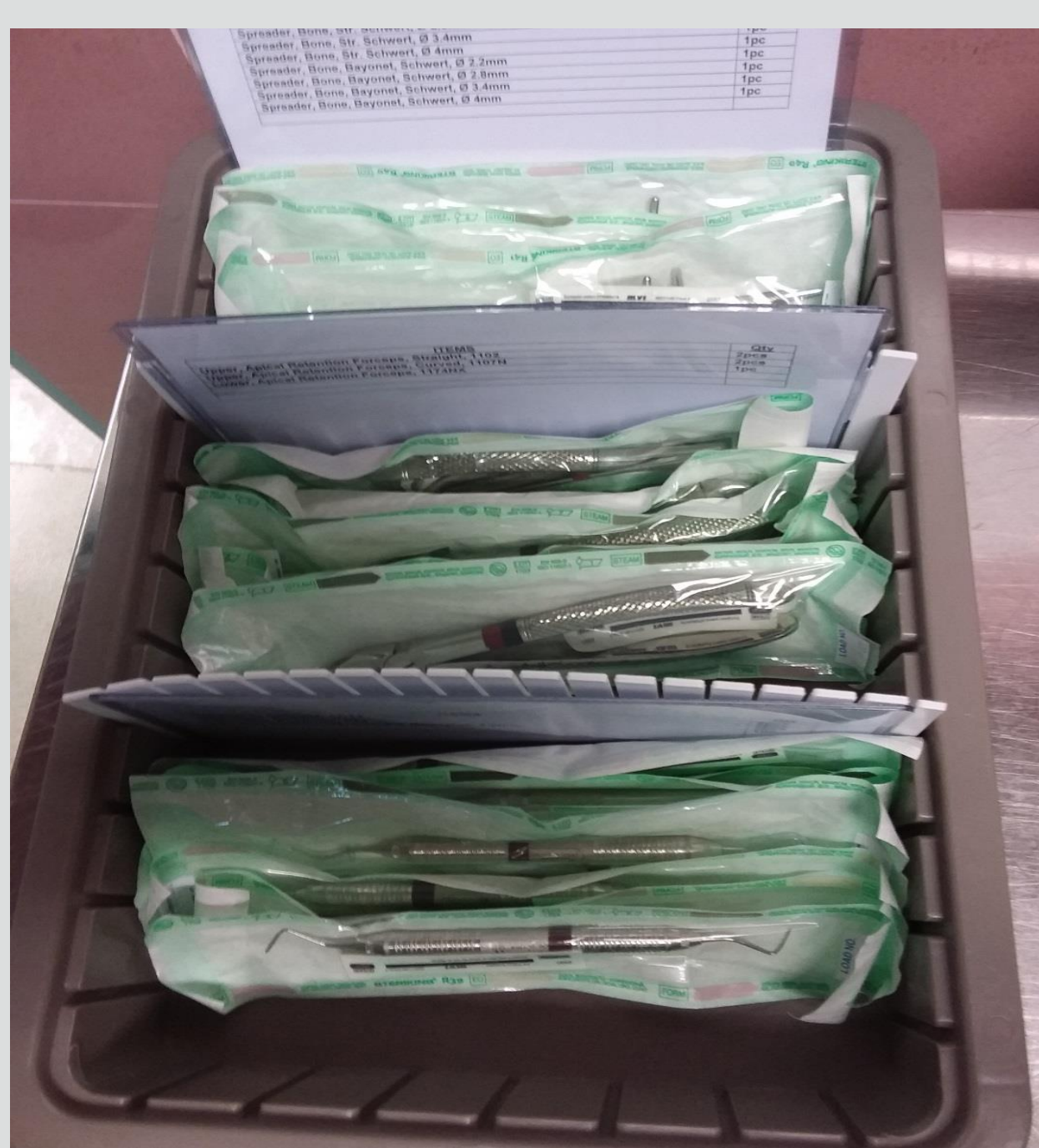


Figure 2a



Figure 2b