

# To re-organize, Re-arrange and Reduce Time taken to Retrieve Endovascular Surgery Consumables

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## Introduction

Endovascular surgery eg. Angioplasty of lower limb requires the use of various angiographic catheters, guide wires and other endovascular consumables to reach and treat the diseased vessels.

## Background

Endovascular consumables required intra-operatively cannot be prepared beforehand as surgeon will only decide following what he sees during real time fluoroscopy. Thus, when endovascular consumables are required for use, circulating nurse cannot locate on time and spend up to 5 minutes to retrieve the correct consumables from the mobile stand and cart.



Figure 1



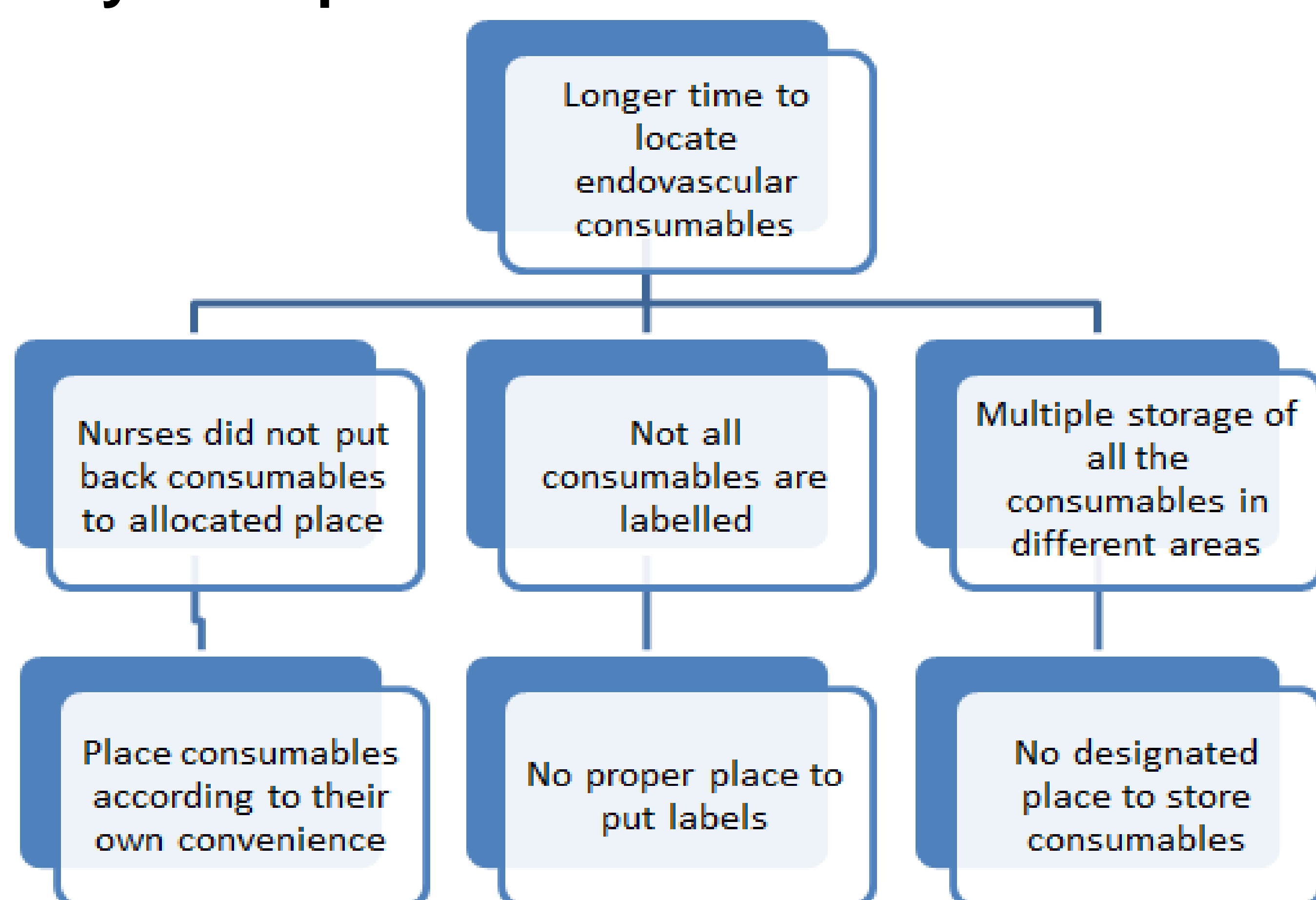
Figure 2

The cart looks untidy and disorganized. Also, the mobile stand and cart are not ideal as they are not covered and exposed to possible contamination. (see Fig.1 & Fig. 2)

## Mission statement

To re-organize, re-arrange and reduce time taken to retrieve endovascular consumables by 90% at all times in MOT within 2 months.

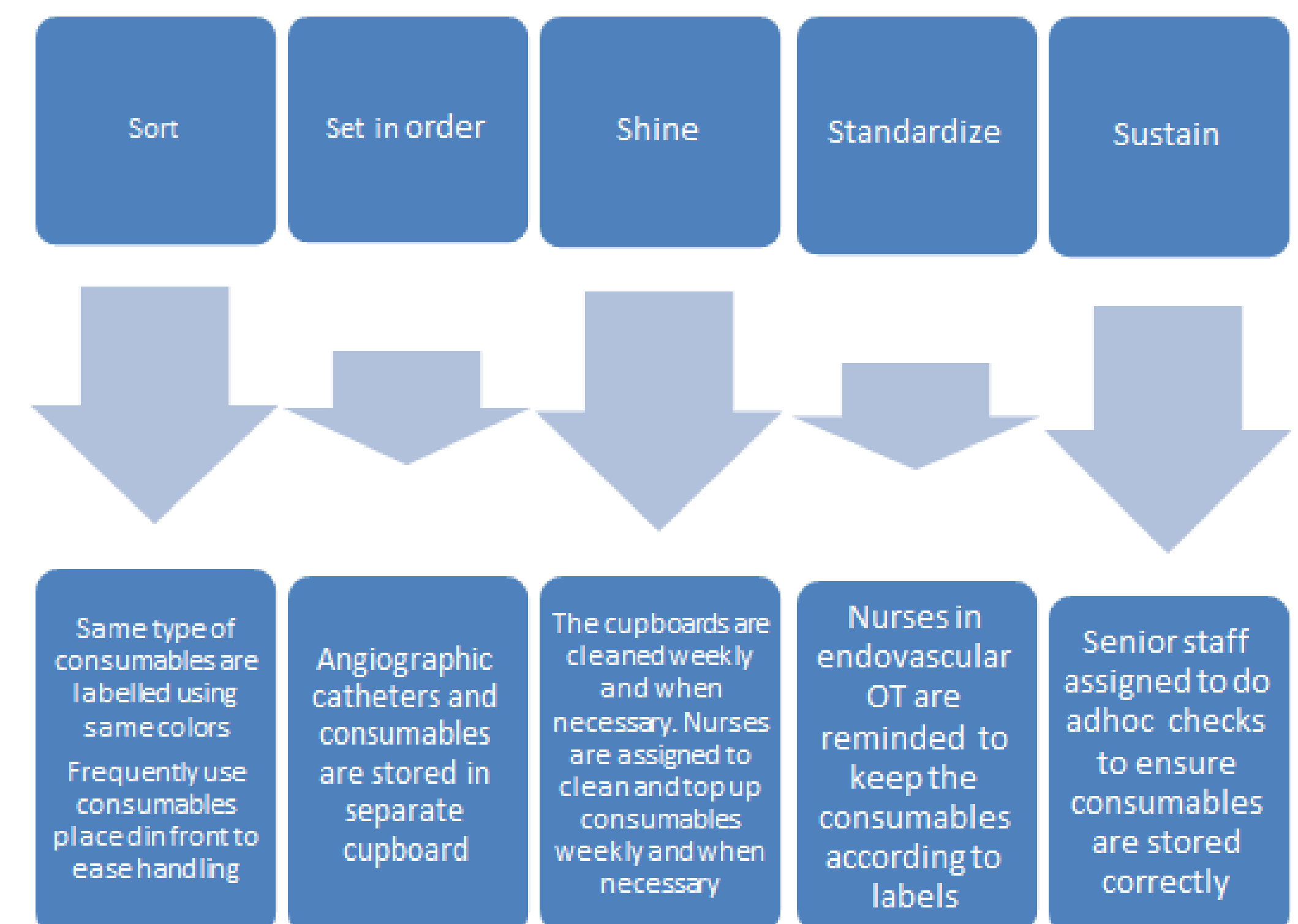
## Analysis of problem



## Interventions / Initiatives

Obtained HOD approval to purchase two cupboards to store the endovascular consumables according to our requirements.

## Using 5S to rearrange and reorganize endovascular consumables



## Post implementation



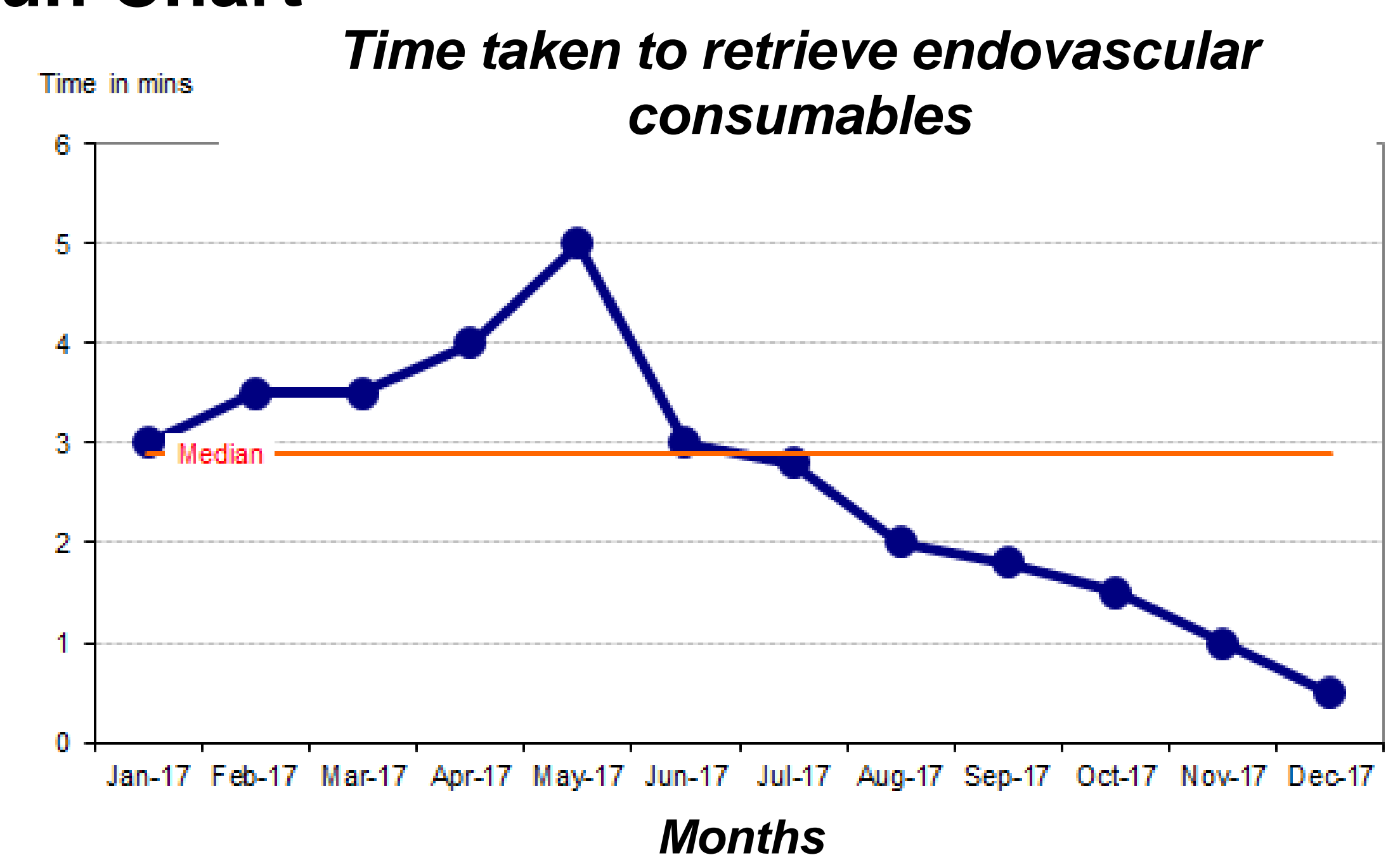
Fig. 1



Fig. 2

## Results

### Run Chart



We have successfully reduced the time taken to retrieve endovascular consumables from 5 mins to 30 secs.

## Sustainability

A file is created for nurses to refer when they need to replenish the endovascular consumables. Adhoc checking is done to ensure all consumables are placed according to allocated hanger and compartment for easy identification and access. Weekly, staffs are also assigned to check and maintain cleanliness of the cupboard.

## Conclusion

Besides improving workflow, enhance staff efficiency and increase staff morale; proper storage of endovascular consumables results in shorter operating time, meeting our quality commitment of "Best outcome Best Experience" for our perioperative patients.