

INTRODUCTION

The aim of department is to provide the highest quality of care to patients undergoing various types of surgeries. The OT facility is positioned as a tertiary care centre of excellence providing complete services for various surgical specialties. The department is staffed with highly experienced and trained Anesthesiologist, surgeons, technicians, nurses and other support staff. Their services have state of the art technology and equipment with highest level environment and quality controls.

OBJECTIVES

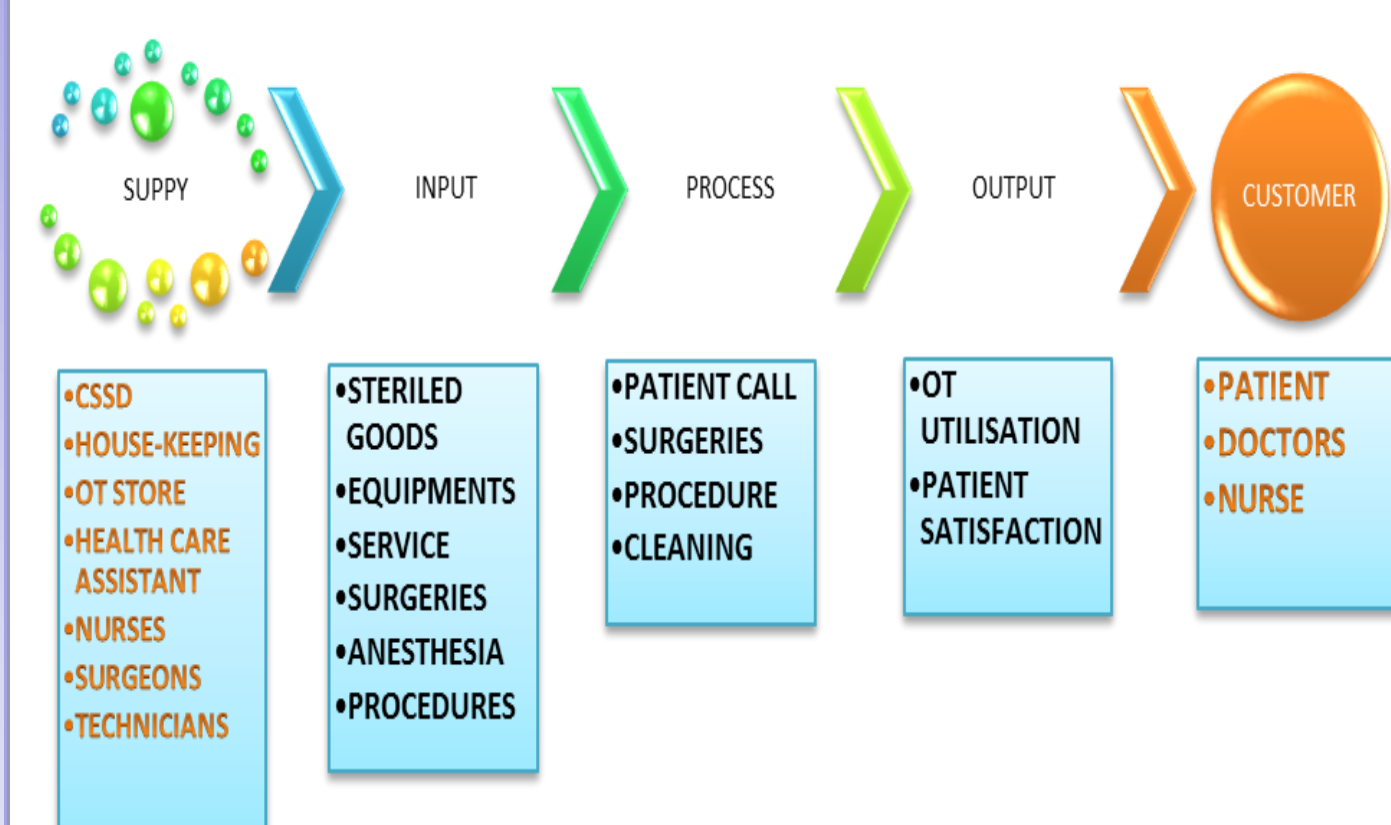
- To find out possible problem areas in OT causing under-utilization.
- To find out time lag between surgeries in OT.
- To identify the reasons of delay of surgeries.

METHODOLOGY

RESEARCH AREA: Kokilaben Dhirubhai Ambani Hospital, Mumbai.
RESEARCH DESIGN: A prospective, observational study.
RESEARCH DURATION : April 6, 2017 to May 17, 2017.
SAMPLING SIZE: A sample size of 300 patients has been taken.
SAMPLING TECHNIQUE: The technique used to collect data was Simple Random sampling.

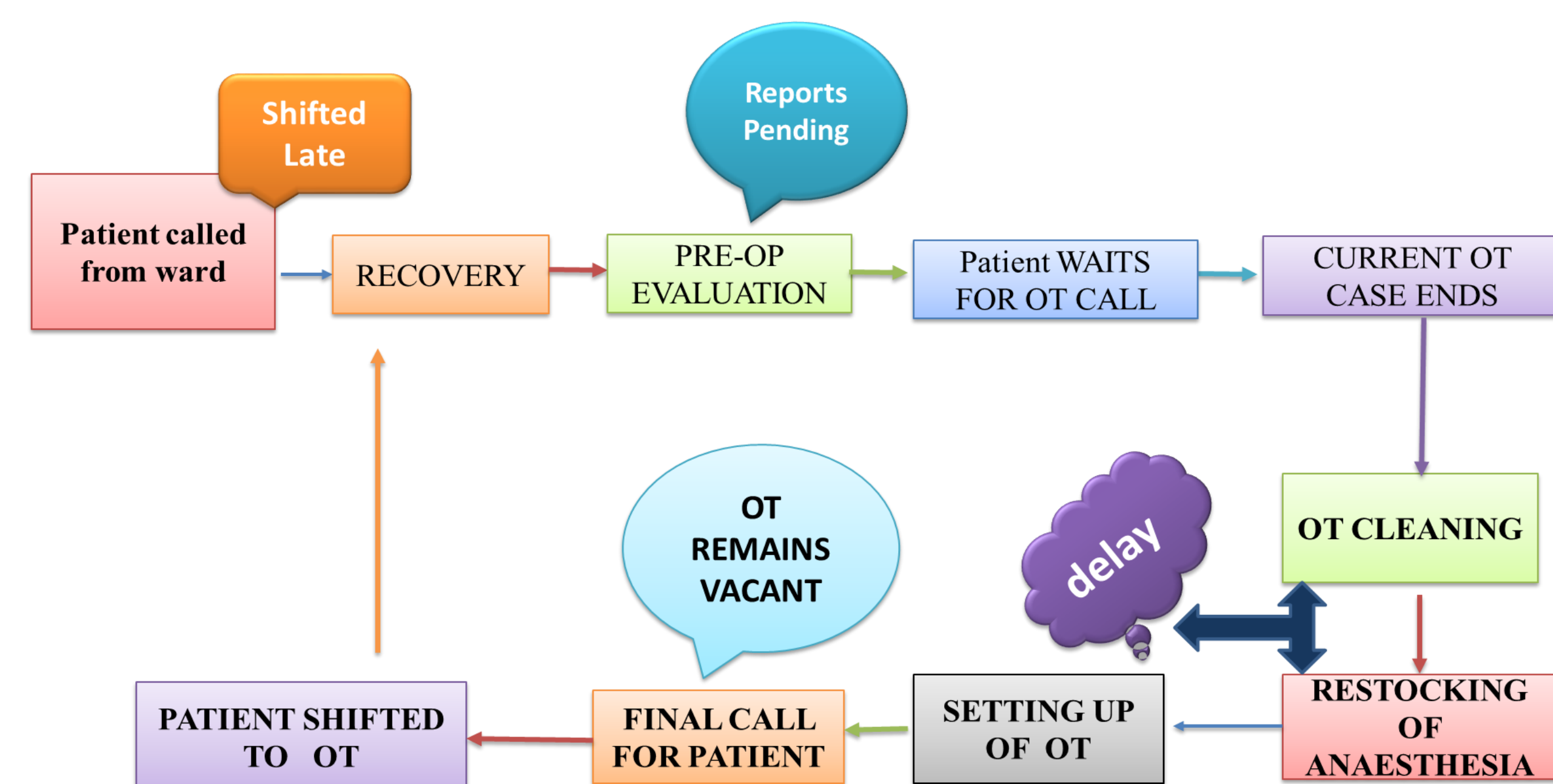
RESULTS

- Non-productive time in OT is high than the desired time.
- Mostly the cases are delayed due to surgeons arrive late.
- OT not ready with equipment's and not cleaned.
- Sometime patients are shifted late due to pending reports , consent or clearance issues.
- Which leads to non-utilization and vacant OT for longer period compared to expected time.



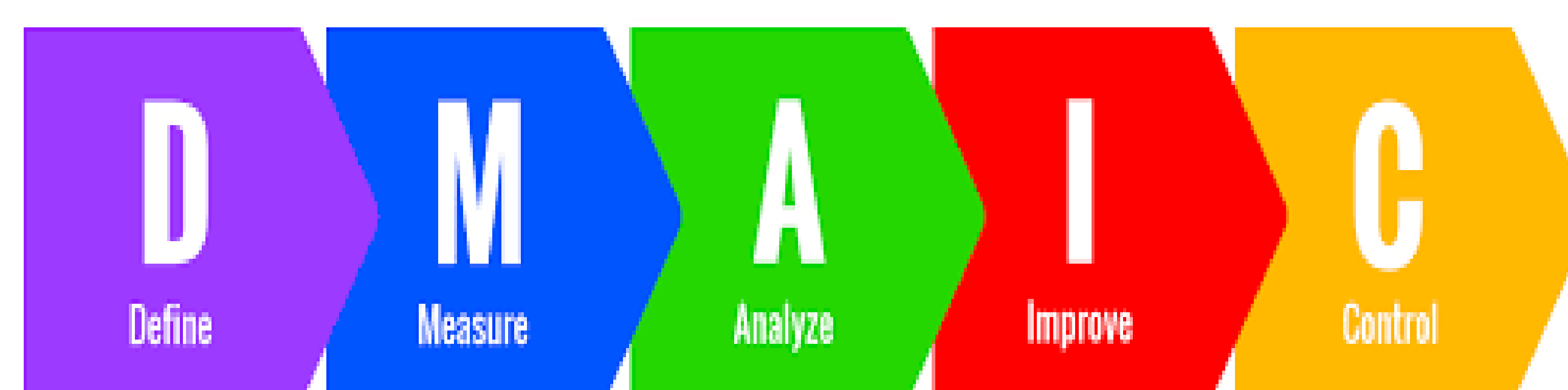
Define

Define the problem.



Measure

Quantify the problem.

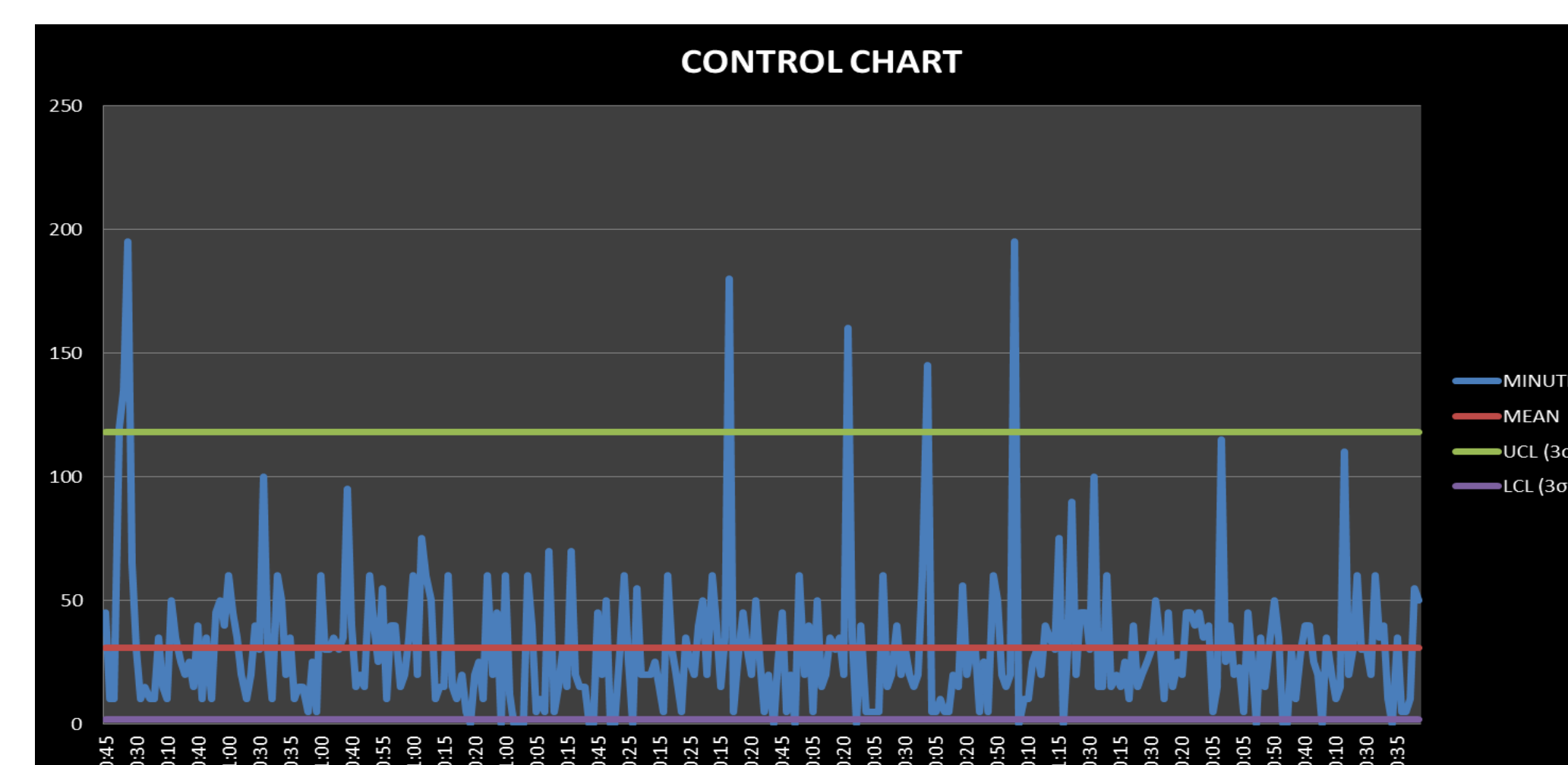


For continuous (X)

Output indicator	Average	Standard deviation	CP
X1	30.58	29.09	4.12

For Discrete (x)

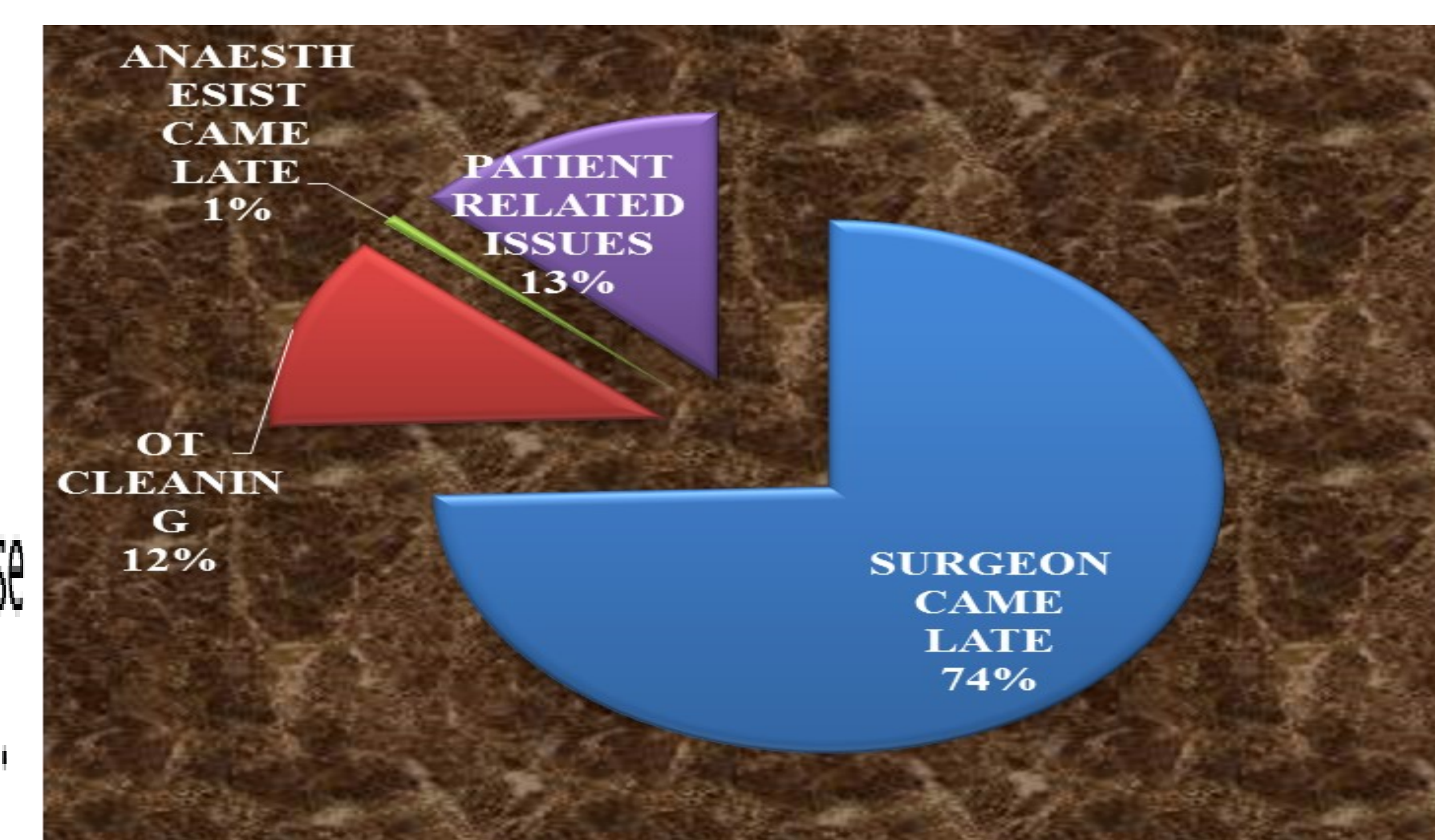
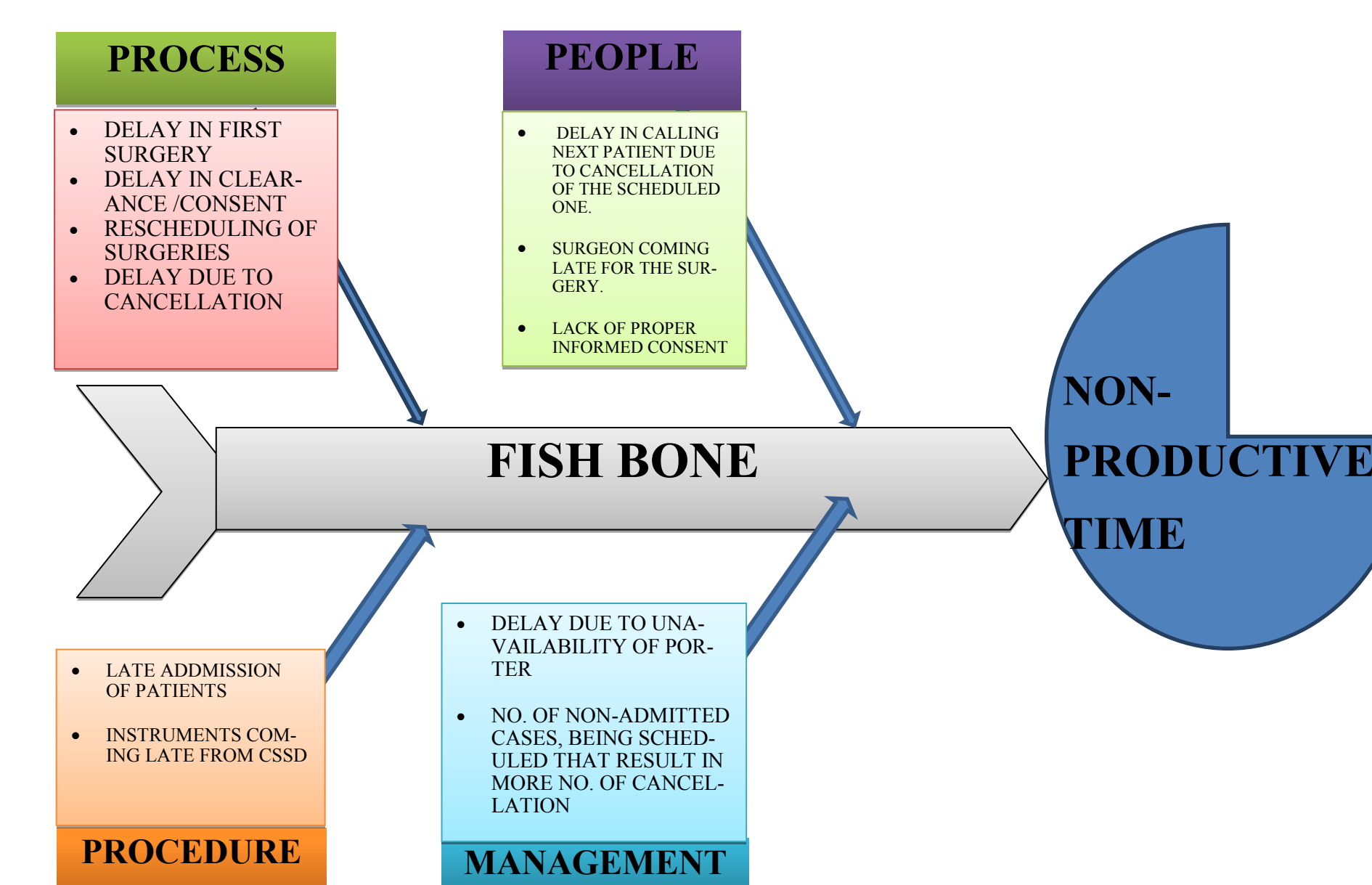
Output indicator	No. of units	No. of opportunities /unit	No of defects	DPMO	SIGMA LEVEL
X1	300	4	153	127500	2.64



Analyze

Identify the cause of the problem.

RESULTS



RECOMMENDATIONS

- Confirmation calls should be made before the day of procedure.
- Clearance time should be reduced.
- Pre-Op evaluation reports should be ready beforehand.
- Vending machines should be placed in the clean zone for refreshments.
- Scheduling of OTs should be done according to the time table of doctors.

LIMITATIONS

- Improve and Control steps could not be completed due to a short time span.

Guided By :
Dr. Sandesh Sharma

