

OBJECTIVE

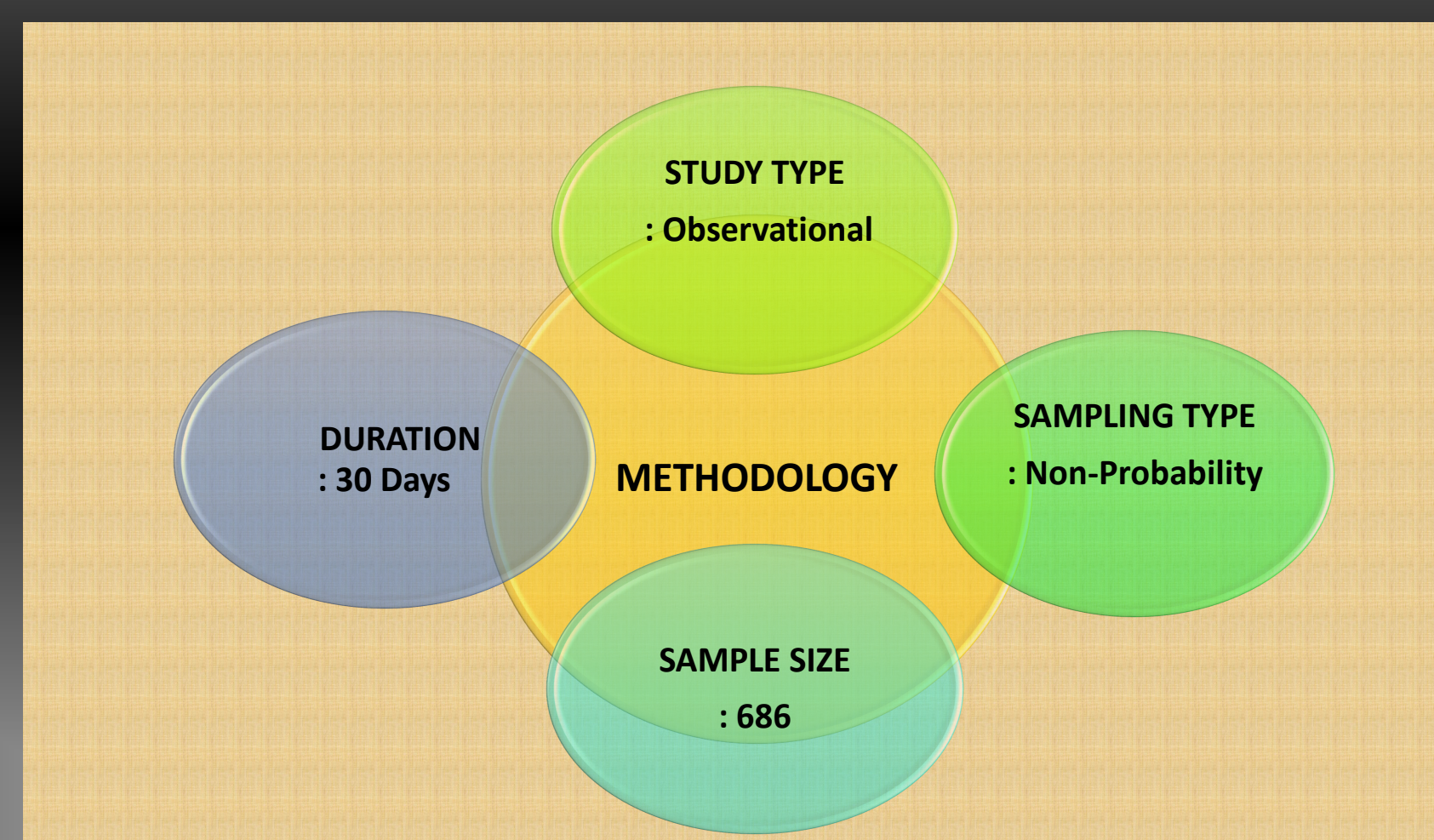
- To find out the delay from patient's wheel in time to incision time.
- To observe proper utilization of each operation theatre.
- To locate the causes of improper OT utilisation and delays.

RATIONALE

- Working hours of OT were not utilized completely .
- The number of hours they were in operation was well below the actual working time (12 hrs.) which leads to opportunity lost .

Operation Theatre Utilization Study

- A time and motion study of 686 operations was carried out in Phase I.
- The actual time patients spent in various activities while in the Operating Theatres were measured such as Operation time (previously decided), Patient in room (Theater in), Anesthesia Start/Anesthesia induction , Position Start/ Surgical preparation, incision time , Patient Out of Room (Theatre out).
- All the stages were identified starting from the time the patient was entered in MS- OT to the time the patient left the operation theatre. In last phase, to see



METHODS IN PRACTICE

- Study was conducted in one phase which was used to address the study objectives. Data analysis in the first phase, observation study by the analyst in the MS- OT was done. For Operation Theatre Time Utilization Study 686 cases were observed.
- Observed time utilized for different procedure in MS- OT from "patient in to patient out".
- Calculating the OPPORTUNITY LOST in every OT and making a comparative analysis.
- Making a comparative study of the scheduled and actual time allotted to all the cases operated in the OTs.

PROBLEMS

- Unwrapping/arranging of the instruments before operation starts is done by one nurse only.
- Doctors on call sometimes take some extra time in reaching the hospital for the surgery.
- Any technical fault
- Surgeon arrival time
- All Instruments not available at times which may lead to a delay.

RESULT

Total delayed cases calculated in the month of April 2015 are:- 369

Total no. of cases = 686

Total no. of cases delayed in % = $369/686 \times 100 = 53.79\%$

- Nurses should be trained so as to finish work quickly in a proper given time.
- Pre- maintenance or a checklist of the machinery should be maintained on daily basis. Then it should be signed by the operator/technician if everything is working properly.
- During cleaning time of OT all the instruments should be checked properly by the staff on duty. So that anything missing can be brought before the doctor starts the procedure
- Punching machine should be installed in each OT. So that proper check on doctor's arrival time can be noted & records should be checked on weekly/monthly basis.

RECOMMENDATIONS

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