

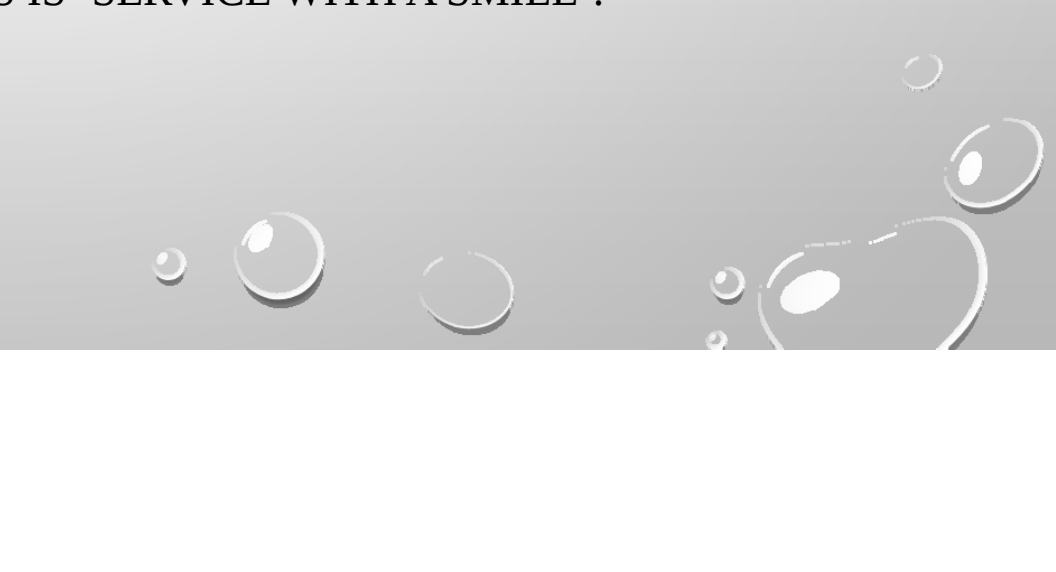
OT UTILIZATION STUDY

PRESENTED BY
DR. GAURAV LOONA

ROLL NO-0280

SARVODAYA HOSPITALS



- 
- SARVODAYA HOSPITAL & RESEARCH CENTRE IS AMONGST THE FINEST MEDICAL INSTITUTIONS IN FARIDABAD. SPREAD ACROSS 4.25 ACRES, THE HOSPITAL HAS 300 BEDS, 65 ICU BEDS, 6 OPERATION THEATRES, AND A FLOOR BASED CATH LAB. IT DELIVERS CARE-BASED SUPER SPECIALTY SERVICES IN CARDIOLOGY, CARDIO-THORACIC & VASCULAR SURGERY, CANCER CARE, NEUROSCIENCES, MINIMAL INVASIVE SURGERY, GASTROENTEROLOGY & GI SURGERY, ORTHOPEDICS & JOINT REPLACEMENT, UROLOGY, AND NEPHROLOGY.
 - SARVODAYA HAS ESTABLISHED A CULTURE OF 'CURE+CARE' AND HAS BUILT A TEAM THAT UPHOLDS THIS MANTRA FOR THE HOSPITAL AT ALL TIMES. AMONGST THE MANY IDEOLOGIES OF HELPING PATIENTS WITH UTMOST KINDNESS, ONE THAT IS COMMON IN ALL SARVODAYANS IS 'SERVICE WITH A SMILE'.
- 



VISION.

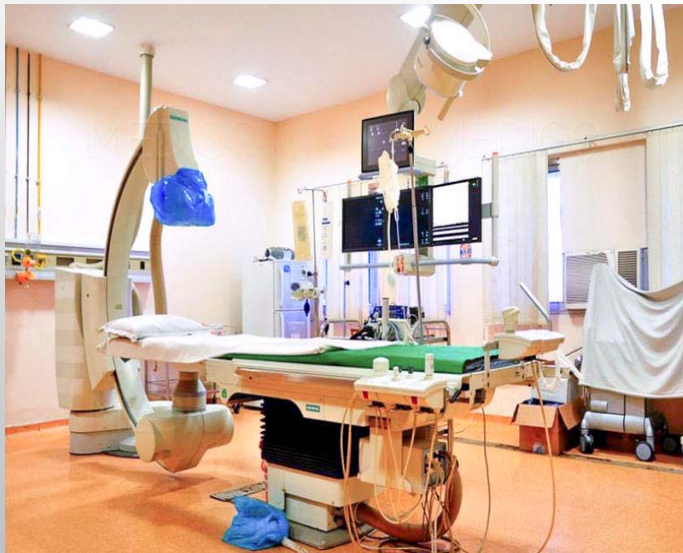
- TO POSITION THE GROUP AS A HEALTHCARE LEADER, PROVIDING ALL LEVELS OF QUALITY BASED MEDICAL SERVICES WITH A FOCUS ON AFFORDABILITY AND MEDICAL EXCELLENCE
- 



MISSION

- TO CREATE A THREE TIER SYSTEM WHICH PROVIDES “PRIMARY, SECONDARY AND TERTIARY MEDICAL CARE” IN LINE WITH OUR HOSPITAL PHILOSOPHY” GOOD HEALTH TO ALL” AT AN AFFORDABLE COST, BUILDING A HEALTH CARE FACILITY WITH MEDICAL EXCELLENCE AND A COMMITTED DEDICATED AND CONTENTED WORKFORCE
- 

OPERATION THEATRE



- AN OPERATION THEATRE IS ONE KEY AREA OF THE HOSPITAL WHERE LIVE SAVING AND LIFE CURING PROCEDURES ARE CARRIED OUT UNDER ASEPTIC CONDITIONS IN A CONTROLLED ENVIRONMENT BY SPECIALLY TRAINED PERSONNEL WITH PROPER HANDLING, COMFORT TO PATIENTS ENSURING MAXIMUM SAFETY
- IN ANY HOSPITAL, THE OT IS SAID TO BE THE PRIMARY SOURCE OF REVENUE GENERATION WITH AROUND 50-60 PERCENT OF REVENUE EARNED JUST BY THIS AREA .IT IS THEREFORE DESIRABLE TO OPTIMIZE THE EFFICIENCY OF THESE ASSETS
- OT UTILIZATION IS DEFINED BY DONHAM AND COLLEAGUES AS THE QUOTIENT OF HOURS OF OT TIME ACTUALLY USED DURING ELECTIVE RESOURCE HOURS AND THE TOTAL NUMBER OF ELECTIVE RESOURCE HOURS AVAILABLE FOR USE.OPTIMUM UTILIZATION OF THE OT TIME HAS ALWAYS BEEN A PRIORITY AREA FOR HOSPITAL ADMINISTRATORS



RESEARCH QUESTION

- WHAT IS THE UTILIZATION OF OPERATION THEATRE IN SARVODAYA HOSPITAL FARIDABAD?
- 



OBJECTIVE

- TO STUDY UTILIZATION OF OT IN SARVODAYA HOSPITAL , FARIDABAD.
- 

- **METHODOLOGY:**

THE STUDY IS BASED ON SECONDARY DATA.

- **RESEARCH DESIGN & DURATION**

THE RESEARCH DESIGN WILL BE DESCRIPTIVE. THE STUDY IS CONDUCTED OVER A PERIOD OF THREE MONTHS I.E. (6TH FEB-2017 TO 6TH APRIL-2017)

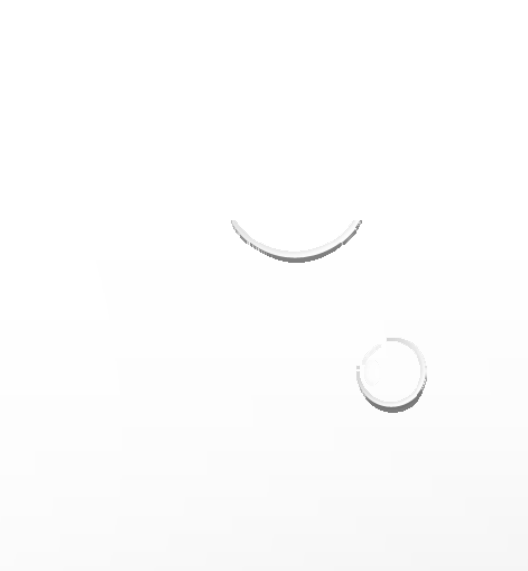


- **STUDY SUBJECTS**

- SURGICAL CASES HANDLED IN ALL 6 OT'S :

- **SAMPLING SIZE & TECHNIQUE**

- DETAILS OF ALL THE SURGERIES OCCURRING IN ALL 6 OT'S IN THE ABOVE MENTIONED TIME FRAME IS INCLUDED IN RESEARCH.
 - TOTAL SAMPLE SIZE TAKEN IS 1216
- 

- 
- 
- **DATA COLLECTION**
 - DATA WAS COLLECTED EVERY DAY FROM THE OT REGISTER WITH THE HELP OF A PREFORMED TEMPLATE
- 



DATA ANALYSIS PLAN

- DATA WAS COLLECTED AND CROSS CHECKED THROUGH REGISTERS MAINTAINED ON A DAILY BASIS BY THE OT STAFFS FOR ANY INCOMPLETE OR PARTIAL FILLING.

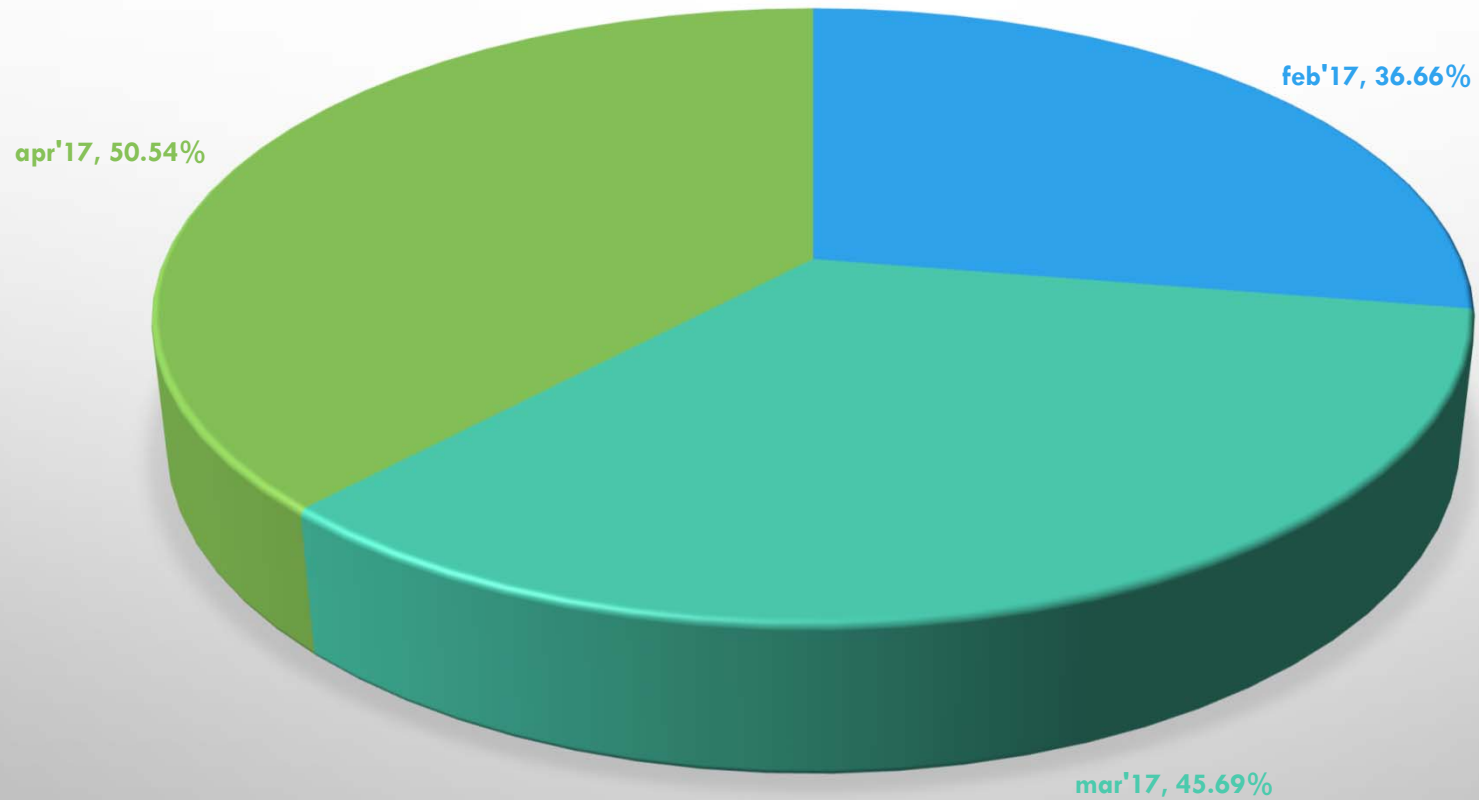
- [OT UTILIZATION 2017 \(1\).XLSX](#)
- 

RESULTS

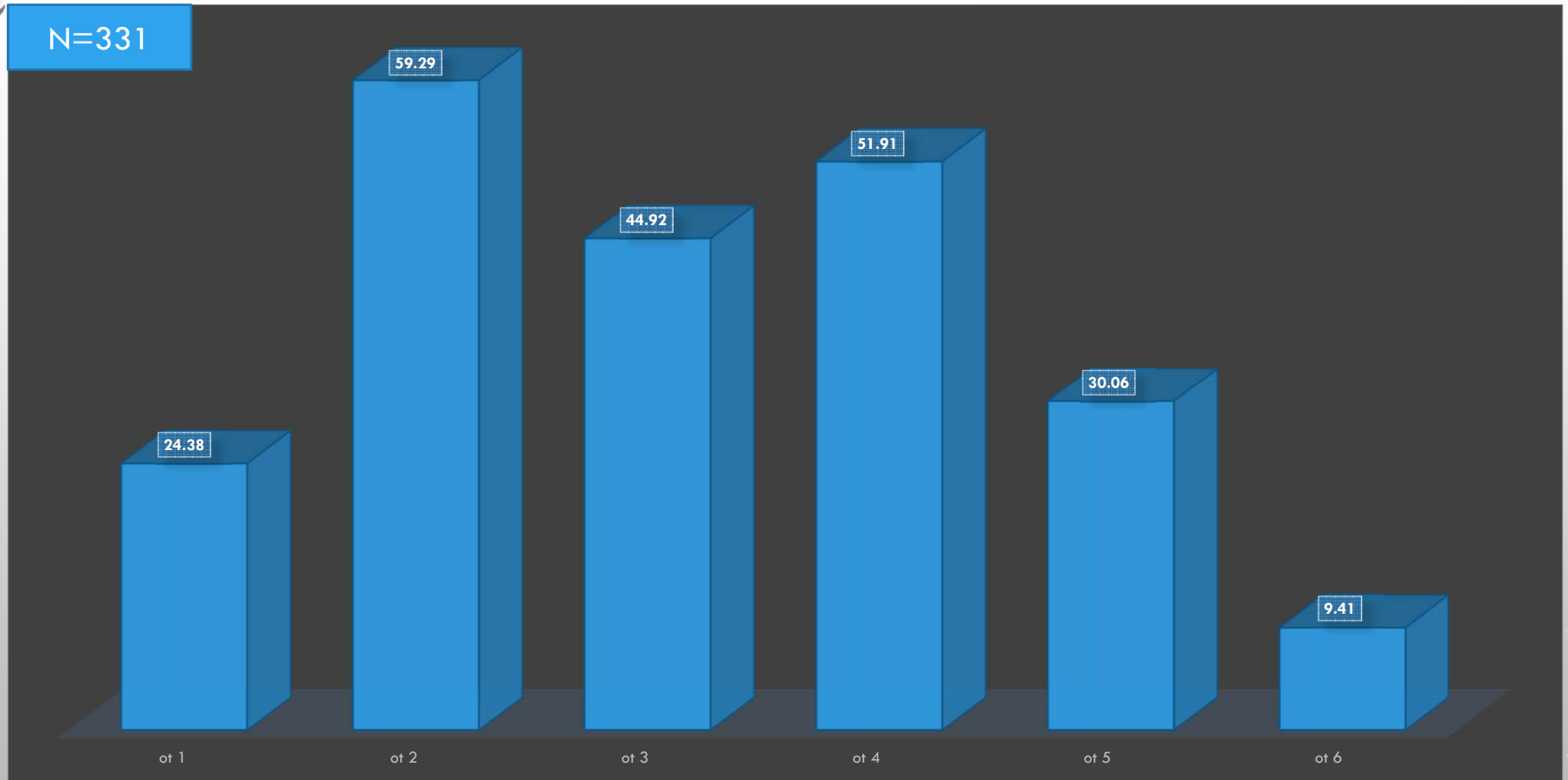
Comparative utilization of OT during study period



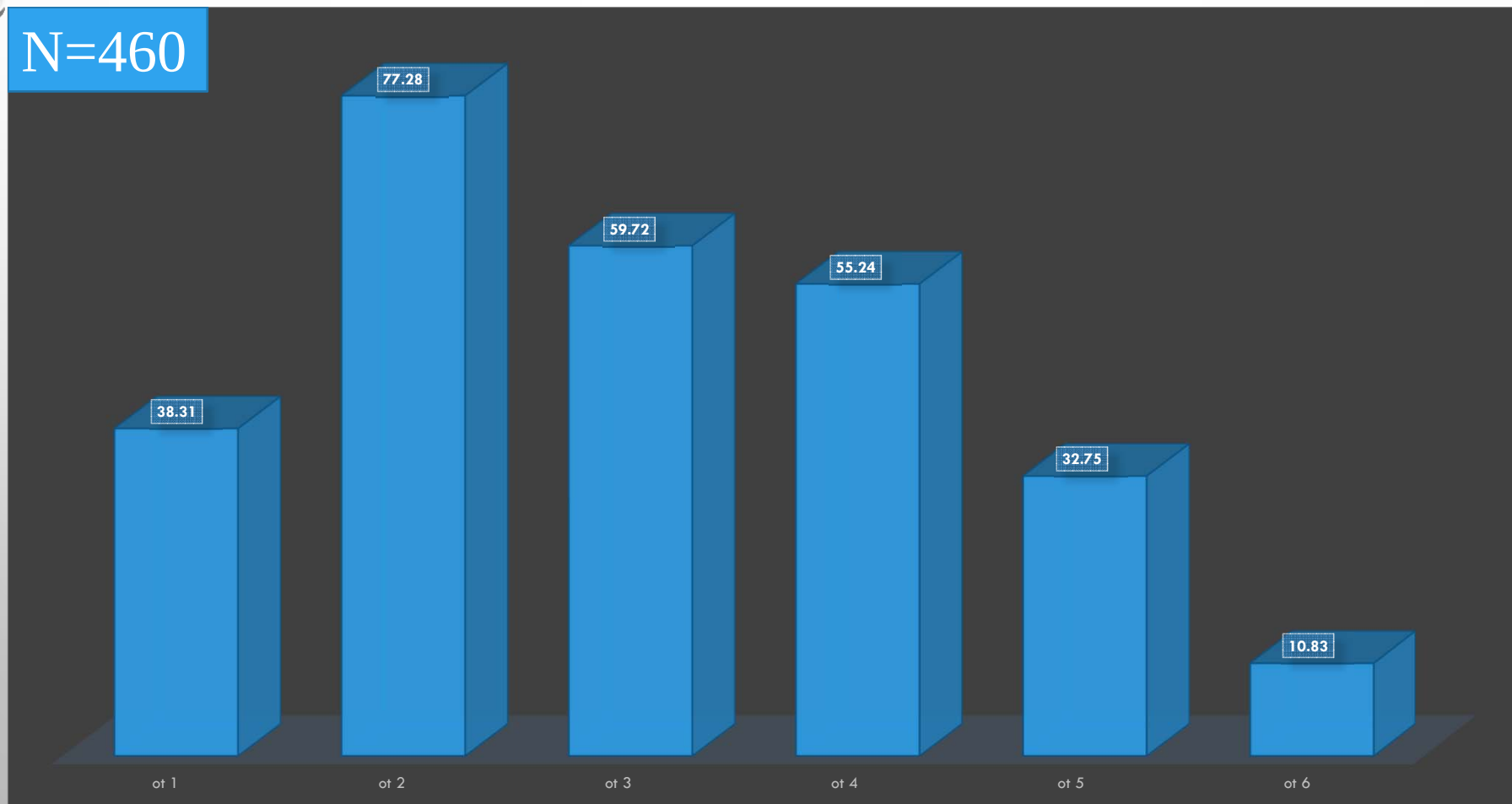
AVERAGE UTILIZATION OF ALL 6 OT'S DURING 3 MONTHS OF STUDY



UTILIZATION OF OPERATION THEATRE IN FEBRUARY '17

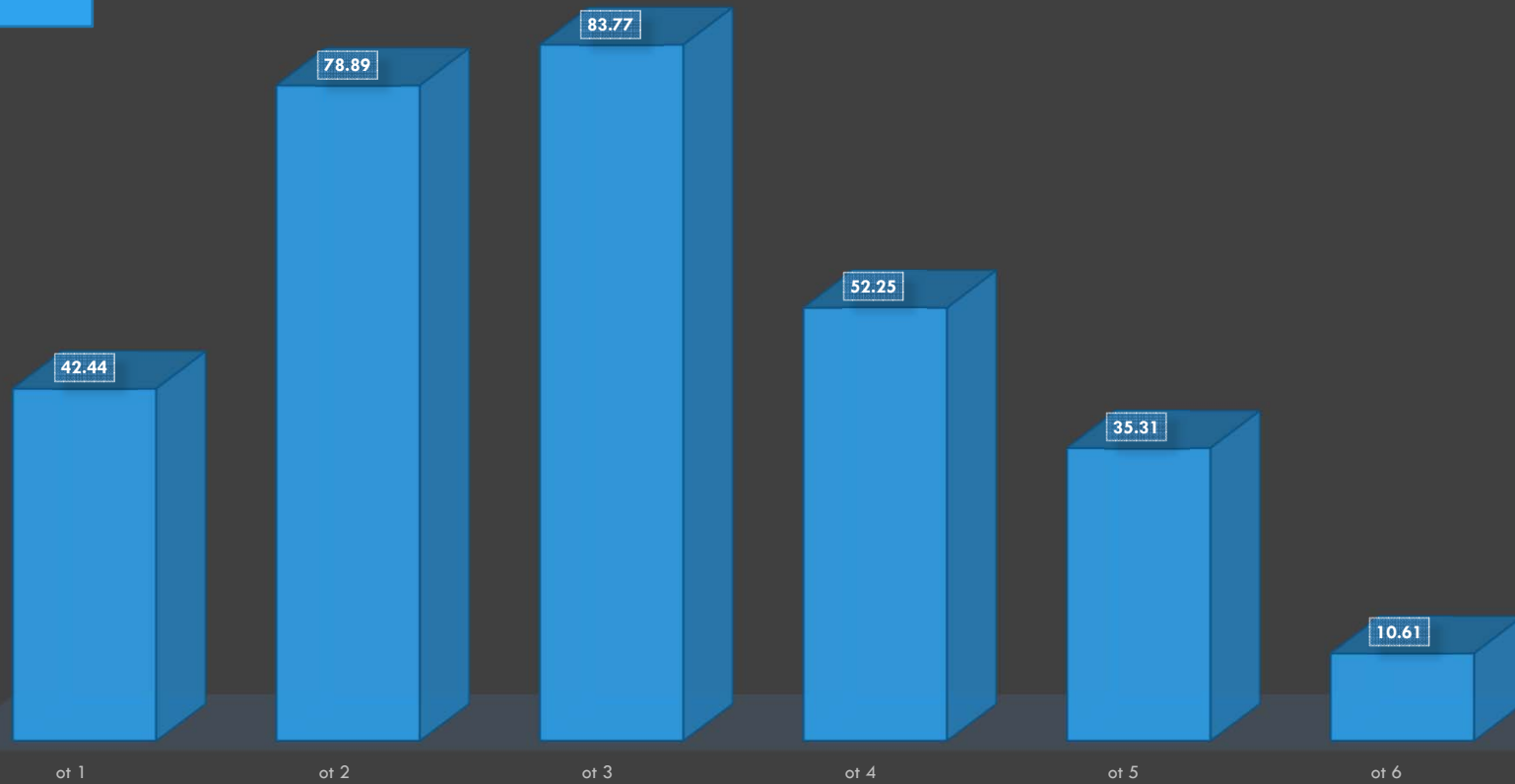


UTILIZATION OF OPERATION THEATRE IN MARCH'17.



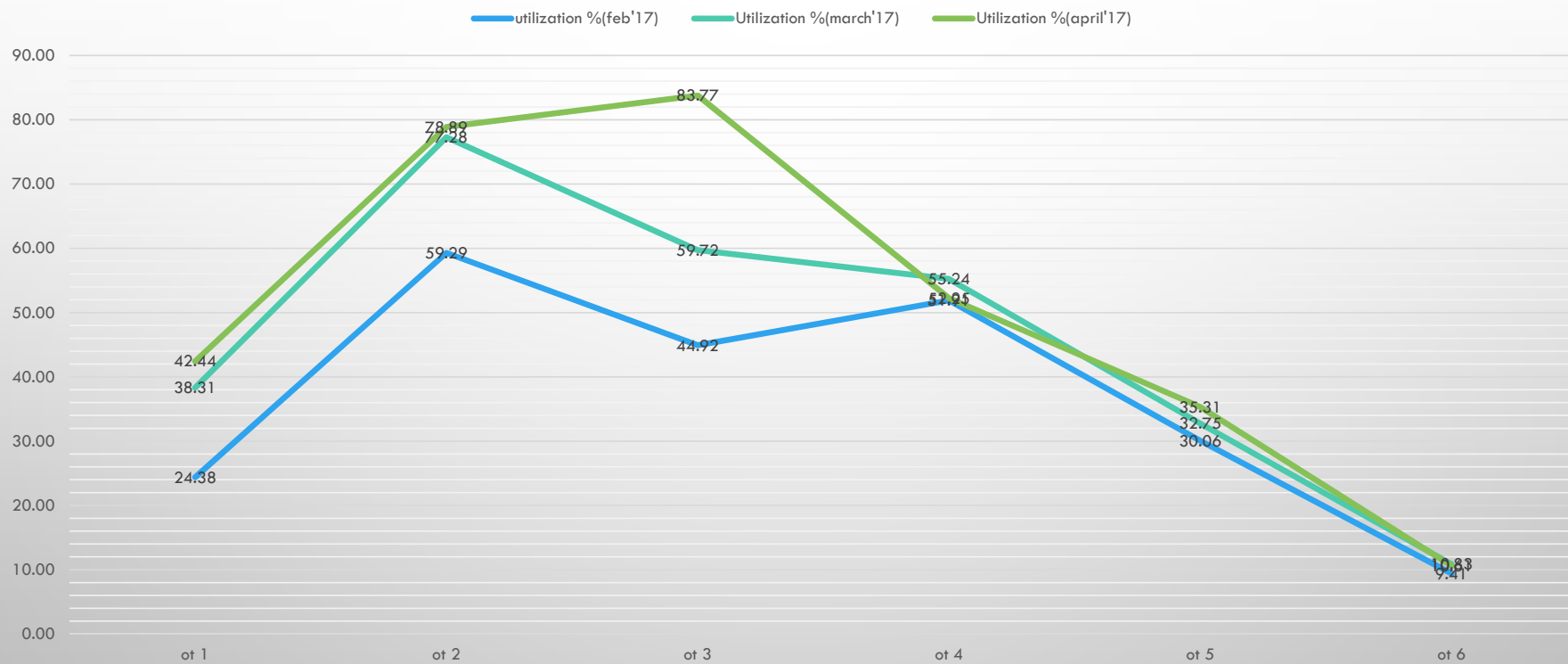
UTILIZATION OF OPERATION THEATRE IN APRIL '17

N=420



COMPARATIVE TREND OF ALL OT'S OVER A PERIOD OF 3MONTHS (FEB. MAR, APR'17).

Comparative Trend of all 6 OT's



FINDINGS

- THE AVERAGE UTILIZATION OF ALL 6 OT'S FOR THE MONTH OF FEBRUARY IS NEARLY 36%.
- THE AVERAGE UTILIZATION FOR THE NEXT MONTH LIES CLOSELY TO 46%.
- FINALLY FOR THE LAST MONTH OF THE STUDY PERIOD THE UTILIZATION SEEM TO BE REACHING TO 50.54%.
- FOR FEBRUARY TO APRIL'17 UTILIZATION TREND SEEM TO BE INCREASING FOR OT 1,2&3 WHEREAS OT 4,5,6 NEEDS MORE IMPROVEMENT.
- FOR THE CANCELLED CASES, THE CANCELLATION RATE IS AROUND 2%.

RECOMMENDATIONS

A CHECK SHOULD BE MAINTAINED ON RESCHEDULING CASES.

- PROPER SCHEDULING OF OT CASES MUST BE DONE ON PRIORITY IRRESPECTIVE OF PLANNED AND OT CASES.
- ENSURE THAT THE CASES ARE DONE ONLY IN THE DEPARTMENT WISE DEDICATED OT.

CONCLUSIONS

- STAFF MOTIVATION IS AN ISSUE. MONTHLY MEETINGS REQUIRED BETWEEN MANAGEMENT AND STAFF TO EXPLAIN ROLE AND RESPONSIBILITIES, SET GOALS. PERFORMANCE REVIEW AND PERFORMANCE RELATED PAY CAN BE ONE OF THE METHODS.
- CANCELLATION RATE IS NEARLY 2% WHICH SHOWED DATA IS INADEQUATE TO COME TO A CONCLUSION.
- FURTHER RESEARCH CAN BE DONE AND REASONS FOR RESCHEDULING MAY BE IDENTIFIED.
- WORK MAY BE DONE TO MANAGE AND TREAT THESE REASONS FOR OT UTILIZATION.