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BIOMEDICAL EQUIPMENT MANAGEMENT

Management

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ABSTRACT

Healthcare Technology Management is a fundamental part of managing, maintaining, and/or designing medical devices used or proposed for use in various healthcare settings from the home, the field, the doctor's office, and the hospital. This study conducted in civil hospital, Aurangabad which is 300 beded hospital to know the biomedical equipment management in the hospital. The research deign was descriptive study and sample size was 10.the sample are whoever working in technical deparment. In this study date collection method was survey and sources primary and secondary data. The research instrument was questionnaire with convenience sampling method. In this study structured questionnaire was used. Study find out The employees have knowledge about biomedical equipment management and Employees are practicing standard operating procedure for biomedical equipment management in hospital.

KEYWORDS

Healthcare Technology management, structured questionnaire, biomedical equipment management ,standard operating procedure

INTRODUCTION

Healthcare has become one of India's largest sectors - both in terms of revenue and employment. Healthcare comprises hospitals, medical devices, clinical trials, outsourcing, telemedicine, medical tourism, health insurance and medical equipment. The Indian healthcare sector is growing at a brisk pace due to its strengthening coverage, services and increasing expenditure by public as well private players.

Indian healthcare delivery system is categorized into two major components - public and private. The Government, i.e. public healthcare system comprises limited secondary and tertiary care institutions in key cities and focuses on providing basic healthcare facilities in the form of primary healthcare centres

(PHCs) in rural areas. The private sector provides majority of secondary, tertiary and quaternary care institutions with a major concentration in metros, tier I and tier II cities.

India's competitive advantage lies in its large pool of well-trained medical professionals. India is also cost competitive compared to its peers in Asia and Western countries. The cost of surgery in India is about one-tenth of that in the US or Western Europe.

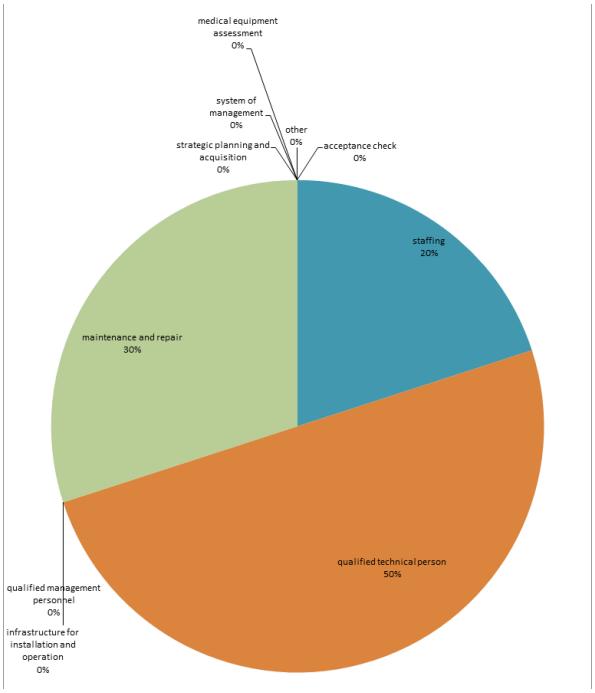

Figure 5.7Practice of medical equipment management areas improve in hospital

Interpretation –

From above Fig 5.7 it is clearly indicated that 50% respondents need qualified technical person,30% need maintenance and repair , and 20% need staff in medical equipment management areas improve in hospital.

Case study-

In the present study, biomedical equipment management in the civil hospital. The technical member had proper knowledge regarding biomedical equipment. In this study clearly indicated that 50% respondents need qualified technical person,30% need maintenance and repair , and 20% need staff in medical equipment management areas improve in hospital.

CONCLUSIONS

The data which collected through research let know about the client requirement. The analysis of collected data give the way that how to make full use of tools and techniques to produce an efficient and accurate result. Collection of data helps us to inspect the equipment and to identify the actual fault in accordance to planned preventive maintenance strategy. Collected data from client briefs the condition of their equipment and they need awareness in field of maintenance to avoid this unwanted situation. This project taught me skills of maintenance and helps me to utilize my all educational experience in to practical aspect that I have learnt in my Master's degree and this increased my interest in research to explore more in my field of engineering study to get know how about the practical side of my engineering field.

REFERENCES:

1. Bowles, Roger "Techcareers : Biomedical Equipment Technicians" TSTC Publishing
2. Bajpai, N. (2014). Buisness Research Methods. New Delhi: Pearson Education.
3. Bokil. P.V. (2009). Guidlines On Effective Hospital Administration (1st Edition ed.). Pune: Mrs V.P.Bokil.
4. Dyro, Joseph., Clinical Engineering Handbook (Biomedical Engineering).
5. Khandpur, R. S. "Biomedical Instrumentation: Technology and Applications". McGraw Hills