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**Quality in medical equipment risk management contribute to patient safety**

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**Objectives:** To ensure the value of implementing medical equipment management that becoming more important in health care sectors. The key advantage of quality system represents a preventive approach to insure consistency and to provide the basis for greater reliability in safety and performance of medical devices.

**Method:** This study was done over a period of one year between 2015-2016 at one of Jordanian royal medical services - king Hussein hospital as sample of over two hundred medical devices.

**INTRODUCTION :** Risk management assessment Tool (medical equipment management program was used to evaluate the reactive , preventive , predictive , and reliability centered. This tool describes the risk, safety, and management activities the hospital to reduce the potential for adverse impact on the medical equipment user's safety.

The healthcare technology management professional's purpose is to ensure that equipment and systems used in patient care are operational, safe, and properly configured to meet the mission of the healthcare; that the equipment is used in an effective way consistent with the highest standards of care by educating the healthcare provider, equipment user, and patient; that the equipment is designed to limit the potential for loss, harm, or damage to the patient, provider, visitor, and facilities through various means of analysis prior to and during acquisition, monitoring and foreseeing problems during the lifecycle of the equipment, and collaborating with the parties who manufacture, design, regulate, or recommend safe medical devices and systems.

medical equipment involved in the diagnosis, treatment, and monitoring of patients. The related policies and procedures govern activities such as the selection, planning, and acquisition of medical devices, and the inspection, acceptance, maintenance, and eventual retirement and disposal of medical equipment. Medical equipment management is a recognized profession within the medical logistics domain. Every medical treatment facility should have policies and processes on equipment control and asset management. Equipment control and asset management involves the management of medical devices within a facility and may be supported by automated information systems , systems are often found in Jordanian hospitals, and the Jordanian military hospitals. Equipment control begins with the receipt of a



newly acquired equipment item and continues through the item's entire life cycle. Newly acquired devices should be inspected by in-house or contracted biomedical equipment technicians (BMETs), who will receive an established equipment control/asset number from the facilities equipment/property manager. This control number is used to track and record maintenance actions in their database. This is similar to creating a new chart for a new patient who will be seen at the medical facility. Once an equipment control number is established, the device is safety inspected and readied for delivery to clinical and treatment areas in the facility.

**RESULTS :** The study showed that 75% of medical equipment in king Hussein hospital met the criteria for medical equipment management process , 12.5% partially met the criteria through auditing all records and medical equipment files .and 12.5% of medical equipment showed that management of medical equipment need recall system of regulatory requirement's.

References:

- [Association for the Advancement of Medical Instrumentation](#) works towards the development, management, and use of safe and effective healthcare technology.
- Health care accreditation council standards.