

REGULATIONS AND PROCEDURES OF MAINTENANCE OF MEDICAL DEVICES

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The lack of Medical Device Management, which includes all actions necessary to ensure an effective use of medical devices: needs assessment, planning of procurement, procurement, maintenance, and replacement of medical devices – is a reduction in the quality of health services. The medical institutions have not necessary capacities and means for maintenance and repair of medical devices from endowment, as the staff as well the suitable devices for testing and calibration. The services provided by private companies, in the absence of a transparent competition, are low quality, the preventive maintenance is shallow, the run-time is great and have a very high cost.

The regularly conduct of preventive maintenance procedures not only extend the run-time of the medical device, but also has a number of other benefits such as increasing the availability of the device, reducing maintenance costs of devices, ensuring the safety of device for patients, users and maintenance staff, framing actions of use and service in rules recommended by the manufacturers of medical devices in a device suitable maintenance strategy.

The Medical Devices Maintenance can be divided into two major categories:

1. inspection and preventive maintenance and
2. corrective maintenance.

The Preventive Maintenance is all actions to maintain of devices, having a plane of calibration, testing, checking the integrity, checking the operation in safety conditions, cleaning, lubrication of the components, the replacement of supplies, batteries, etc..

The preventive maintenance objectives are:

- The detection of defects before they become more earnest;
- Preventing of unplanned failure of medical devices;
- Ensuring of full and correct operation of medical devices;
- Extending of operation longevity of medical devices;
- Maintaining of devices in accordance with manufacturer's recommendations of medical devices.

The implementation of preventive maintenance procedures are strictly required for all medical institutions. The implementation of maintenance procedures considerably reduces the medical devices maintenance costs, provides at institutions and maintain a high levels of performance and security of medical devices in medical institutions use.