

Medical Equipment's

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Abstract: Recent equipment's used in medical science for various human diseases to ensure that patient is cured.

Keywords: Medical Equipment

1. Introduction

Medical devices from an important component of patient care, their complexities coupled with the presence of power factors is most medical devices, thus leading to heightened safety.

1) *Standards and procedures.*

This article is an introduction to medical devices is the first our services an advancement in medical isolation transformers design.

2. Types of Equipment of Used in Hospital

- 1) Patient monitor
- 2) Defibrillators
- 3) Ventilator
- 4) Infusion pump
- 5) Syringe pump
- 6) EKG/ECG Machines
- 7) Hematology Analyzer.
- 8) Biochemistry Analyzer.
- 9) X – ray machine.
- 10) Ultrasound.
- 11) Surgical lights / OT light
- 12) Surgical tables / OT tables.

3. Critical Care Equipment

1) *Patient Monitor*

Patient monitor are medical equipment that keep accurate track of a patient's vitals and state of health during intensive or critical Care. They are used for adult pediatric and neonatal patients. In medicine monitoring is the observation of a disease condition or one or several medical parameters at time. Monitoring can be performed by continuously measuring certain parameters by using Patient monitor Example by measuring vital signs.

2) *Defibrillators*

Defibrillators is an equipment which is used to control heart fibrillation by applications of an electric current to the chest wall or heart. It is a machine That makes the heart beat normally

again after a heart attack by giving it an electric shock. Brands available are, CE cardioserv, Mac i-3, BPL bi – phase defibrillator DF 2617 R DF 2509, DF 2389R, DF 3617, Philip's heart start xl others etc.

3) *Ventilator*

A Ventilator is a machine designed to pass breathable air into and out of the lungs to ease breathing for a patient who is feeling difficult to breathe.

4) *Ventilator are mainly used in ICU.*

Ventilation systems are categorized as a life critical system and it should be safe guarded and must ensure that they are highly reliable including their power supply. Brands available are Schiller graphed, TS, Graphet Neo, Graphet advance etc.

5) *Infusion pump*

An infection pump infuses fluids medication or nutrients into a patient's body. It is generally used intravenously although substances, aratrial and epidural infusions are also epidural infusions ate also used occasionally. Brands available are BPL Acura v Device Evolution organizer 501. Etc

6) *Syringe pump*

Syringe pump is a small infusion pump which has capability to infuses and withdraw and it can be used to gradually administrator s all amounts of fluid with or without medication to patient, Syringe pump prevents in the time in which medications levels in the blood are too high or too low and I'm usually hence this equipment saves time of the Staff and Aldo reduces errors. It also avoids the use of multiple tablets especially the patient who have deficiency in swallowing.

4. Diagnosis and Imaging

1) *EKG / ECG Machines*

Electro diagram Machines record the electrical activity of the health over a period of time and allow health care providers to monitor the overall rhythm of the heart and identify any abnormalities in an individual. During an ECG test, electrodes placed on the skin of the chest and connected in a specific order to perform ECG Machine, when it is turned on, measures electrical activity of the heart.

2) *Operating theatre (OT)*

Surgical lights/ OT light: A surgical lights which is Aldo called is also called as an operating light is a medical equipment which helps medical personnel during a surgery by illuminating on a local area of the patient.

5. Conclusion

Local Equipments used in hospitals should be accurate and proper maintenance should be taken care with implementation of new techniques to avoid patients' death.

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