Why is it Important for the Choice of Disposable Medical Equipment?

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In its efforts to control infection in hospitals and health centers to seek medical equipment and disposable products. The use of disposable medical products ensure the safety of staff and patients, in addition, to ensure proper infection control and disease. Today, the hospital infection is a serious problem in the health sector. Centers for Disease Control and Prevention (CDC) study shows that the U.S. appearance of the hospital-associated infections each year, the average number is as high as 1.7 million., About 100,000 deaths! This is a staggering number to say the least. So it is very important medical centers to find an effective way to combat this growing health safety issue. Disposable medical products and equipment is the best solution in hand.

Before the introduction of disposable products for the usual method of sterilizing medical equipment has been done mainly through the digester. Application of intense heat and pressure autoclaves for sterilizing items. The process was efficient and, hence, it was common for the use of autoclaves in all health centers in more than a century. However, the introduction of disposable medical devices, this practice gradually away.

Autoclaving process, but not without faults. Without proper training, medical products should not be sterilized completely. In addition, there are other problems as well. For example, can not be sterilized products made from plastic or rubber, high temperature required for autoclaving, melt these items. Fit autoclave any help destroy bacteria, viruses and fungi of medical equipment, the sterilization process is ineffective against prions, such fatal illnesses such as Creutzfeldt-Jakob disease (CJD) - neurodegenerative disorder, mad cow disease agent, among others. Despite the fact that autoclaves are still used in hospitals and laboratories, disposable medical equipment is safe and easy to use.

Another important reason why disposable medical supplies, such as "use and throw" syringes, scalpels, face masks, surgical gloves, catheters are widely used, because there are fewer of these products the risk of contamination. With a weakened immune system, patients stand a greater risk of becoming a victim of cross-contamination. Medical support staff in hospitals are also facing a huge risk for the disease causing pathogens are not properly sterilization and safety standards, while attending patients. Disposable medical equipment is often "disposable" products. After use, they do not work and disposed of with other medical waste. Thus, the use of these products reduces the risk of contracting deadly infections.

The mass balance. The balance in the medium term is really a mass use to evaluate the materials and reagents or samples. Chemical science is very closely related to the mass measurement, because all elements have unique weight. This fact can be seen in the periodic table. High precision balance will weigh to the nearest chemist samples, raw materials or reagents are accurately and precisely, and this leads to good data.

Each health center should ensure that patients, as well as staff members are not contract the infection. Using a disposable medical equipment, of course, helps medical institutions to maintain proper safety and health standards.

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