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A Robot Hospital Intravenous Ensure Safer Drugs

Created by Francisco Jose Diaz Exposito (Karma: 2866) at 19 - October - 2009 10:12 pm



Safer and more efficient. So from now on will be the preparation of intravenous medications to be developed at the Hospital Gregorio Marañón (Madrid) thanks to a robotic system (IV Station) that ensures proper preparation of products for administration to patient. Although the system will not be in use until within 5 or 6 weeks, the head of the hospital Pharmacy Department, Maria Sanjurjo, said that its use would not only expand the number of intravenous medications prepared every year, but "may extend the service portfolio and prepare otos high-risk drugs and high cost.

The new device, which its makers claim it is the first in Europe, presents a novel approach in the preparation of intravenous doses safe, precise, effective, inexpensive and ready to administer. Built with a scalable architecture, distributed and failsafe, **offers advantages in flexibility of the container end and patient safety and** excellent accuracy and robotic performance. As said Ana Herranz, head of the project, this system enables the control of each phase of the development of medicines "and offers the ability to handle drugs in liquid and reconstitute lyophilized drugs, automatically dispense medications each patient from his presentation, make the filling of bags, vials, syringes, etc.. for ambulatory infusion of drugs.

Sanjurjo, meanwhile, stressed that **the robot improves the safety of processes and can cover ten times the number of mixtures, with 40-60 hour preparations, resulting in improved safety, quality and efficiency of drugs** and in reducing the waiting time in preparation. He also commented, verifies and ensures compliance with the method of preparation of intravenous mixtures. Stresses, as underlined Sanjurjo, **identification of the final product with bar codes or radio frequency, and recognition of users through a facial imaging system, magnetic card or combination of username and password.** "Guarantees," said the correct dose-Snajurjo sterile and stable medication by 99% when the system is at peak performance.

It is, as noted by the health minister, Juan Jose Guemes, who attended the presentation ceremony, a system that improves the quality of pharmacy services and that, in future, will serve other hospitals in the Comunidad de Madrid.

SOURCE: www.elpais.com

comments

I am very pleased that a hospital pharmacy service in Spain and this robot has to preparation of intravenous mixtures, some from experience we can confirm avoid distractions own human being: nobody will interrupt your phone does not suffer a morning without rest. ... However, should usually stretch tasmpoco impression that currently the system is insecure, it is extremely safe, but the percentage of error, which is very small, should be minimized.

Some leading American hospitals were already using this bot for a greater security and, especially, their increased productivity. Unfortunately, the huge direct costs resulting from their Acquisition, besides the physical space necessary for their adequacy, have meant that today, most European hospitals or considering its use.

Good for Maria Sanjurjo and Hospital Gregorio Maranon.

20/10/2009 11:49 | Ernesto Gómez Sánchez (Karma: 24)