

A hospital robot intravenous ensure safe

The Gregorio Marañón Hospital is the first in Europe to have this

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RAFAEL PEREZ YBARRA - Madrid - 19/10/2009

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) which ensures the correct preparation of products for administration to the 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 other 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. "Said Sanjurjo-Ensures the correct dose of the drug sterile and stable at 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.

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