

Innovation to control hospital infections with an Andalusian patent

LOCATION: Córdoba

DURATION: 1'42"

SUMMARY: The control of hospital infections, such as pneumonia and urinary infections, from now on will be much easier, thanks to a new computer system conceived by specialists from the Reina Sofía Hospital in Córdoba in partnership with the IMIBIC, the Institute of Biomedical Research. It's a patented software which allows for the collection of data directly from the patient, considerably reducing the margin of error and saving time in a task that until now would mean months of work.

VTR:

From now on the control of hospital infections will be a much more manageable process for the health professionals at the Reina Sofía Hospital in Córdoba. A new software, conceived by specialists from this hospital, together with researchers from the Institute of Biomedical Research allows for the collection of patient data to be much quicker and efficient substituting conventional paper for a tablet. It improves access to information, whilst saving time and correcting transcription errors.

INMACULADA SALCEDO Preventative Medicine Physician

"I thought that if a computer programme was made that prevented these errors with quality controls, dates and other variables, it would be much easier to analyse the data."

Hospital infections are what the patient can contract following his or her entry into the hospital and has an incident rate of 6%, although in high risk places such as ICU, they can reach 20%.

INMACULADA SALCEDO Preventative Medicine Physician

"The most frequent and usually the most serious are pneumonia, when the patient is in high risk environments such as ICU, or a surgical facility, urinary infections are also frequent, as well as surgical side effects."

The new software saves up to three months of work, which allows the professionals to set aside more time for the following evaluation of the data once collected. It can be used both on computers as well as mobile devices. Since its introduction a year ago it has already collected more than 7,000 sets of data.

MARÍA DEL PILAR AYORA Nurse

"We collect all the data as soon as the patient is admitted until they leave, if there are signs of infection they are collected and if not...we collect everything: constants, diagnoses, surgical procedures."

This idea is already patented and will be commercialized by a computing firm in other Spanish and Latin American hospitals.