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Telecare in Andalusia

The University Hospital Virgen Macarena of Seville and the Superior Engineering School of Seville University are jointly carrying out a new research project for the implementation of a complete telecare system for kidney patients.

“Modular customisable architecture for complete kidney patient telecare” will study the implementation of a telemedicine system for the monitoring of pre-dialysis patients or patients under substitutive treatment (peritoneal dialysis), with the aim of improving their quality of life and healthcare. Funded by the Health Institute Carlos III, the project will run for three years.

Engineers believe that the current state of development of ICT, as well as that of sensing devices, makes it possible to study new devices for patients with special needs, in particular pre-dialysis or peritoneal dialysis patients.

The researchers propose to create a decentralised and personalised model that is based on a system customisable to different needs. It is thus envisaged to provide user access, complete services, and the follow-up of kidney patients. Planned features include:

- Universal and low-cost solutions;
- Non-Invasive and ubiquitous monitoring; and
- Secure, reliable, easy-to-use and accessible user interfaces.

Project participants include the Biomedical Engineering specialists of the Superior Engineering School of Seville University and a team of nephrologists from the University Hospital Virgen Macarena. The project coordinator is the head of the nephrology clinical management unit of the hospital, Jose Antonio Milán. The researchers will also receive support from three other hospitals, namely: Hospital del Sureste (Madrid), the University Hospital Nuestra Señora de Candelaria in Tenerife and the Hospital of Gran Canaria (Canary Islands).

(Adapted from original article on epractice.eu)

For more information, please visit: www.juntadeandalucia.es

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