

JOINT RESEARCH UNIT IN ICTs APPLIED TO HEALTHCARE PROCESS RE-ENGINEERING

Leading Researchers:

Bernardo Valdivieso,
PhD
Vicente Traver, PhD



No. Members: 23



Other relevant
information:



Joint Research Unit
with ITACA Institute
(Universitat Politècnica
de València)

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MAIN RESEARCH LINES

Management of chronic conditions (Integrated Care)

Development of home healthcare and chronic patients remote management, palliative care and caregivers through the application of IT to integrated management thereof.

Active and healthy aging

Active research in the EIPAHA initiative (European Innovation Partnership: Active and Healthy Ageing) including Prescription and Adherence action work groups at regional level, Falls Prevention, Prevention of functional decline and frailty, Integrated Care, Independent Living and Age-Friendly Environments.

Health 2.0

Improving healthcare information delivery and quality taking advantage of new technologies: enhancing development of tools for communication and sharing information based on new web 2.0 technologies.

User behavioural change

Study of change and maintenance users behavior to adopt healthy lifestyles, strengthening it through a series of techniques (e.g. serious games, community activities), adherence to treatment, conducting healthy activities, etc.

Big Data Analysis and Business Intelligence

The aim is to exploit the information available in hospital information systems with an approximation of Big Data and Data Mining, applied to population health and disease management for decision-making in research, in the improvement of healthcare processes and technology assessment.

Collaborations:



SELECTED PAPERS

Applying Evidence-Based Medicine in Telehealth: An Interactive Pattern Recognition Approximation. Fernández-Llatas C, et al. International Journal of Environmental Research and Public Health 10(11): 5671-5682

Process Mining for Individualized Behavior Modeling Using Wireless Tracking in Nursing Homes. Fernández-Llatas C, et al. Sensors 13(11): 15434-15451

Megestrol acetate for treatment of anorexia-cachexia syndrome. Ruiz Garcia V, et al. Database Syst Rev 28; 3

Realizing Effective Behavioral Management of Health: The Metamorphosis of Behavioral Science M Predrag M, et al. IEEE Engineering in Medicine and Biology Society 4: 29-34

Use of social media by Spanish hospitals: perceptions, difficulties, and success factors. Traver Salcedo, V. Telemedicine Journal and E-Health 19: 137-145.

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SELECTED ACTIVE RESEARCH PROJECTS

EIP-AHA: European Innovation Partnership on Active and Healthy Ageing **Bernardo Valdivieso**

Beyond SILOS: Learning from integrated eCare practice and promoting deployment in European regions
Bernardo Valdivieso

Proyecto CRONICSALUD: Diseño y evaluación de una intervención apoyada en tecnología para la gestión de pacientes crónicos de baja complejidad **Bernardo Valdivieso**

Elaboración de la propuesta europea mobile interactive patient services: Stimulating the interaction of public health (MIPS) **Bernardo Valdivieso**

Colaboración proyecto BASECLINICA: Plataforma colaborativa, de gestión de casos clínicos para la docencia e investigación de los profesionales de la salud **Vicente Traver**

RELEVANT CLINICAL RESEARCH

Ensayo clínico aleatorizado para la evaluación del modelo de gestión integral de la enfermedad crónica apoyada en tecnologías de la información y comunicación.

Bernardo Valdivieso

Instituto de Investigación Sanitaria La Fe

Impacto clínico de la Telemedicina en la Enfermedad de Crohn y la Colitis Ulcerosa: Estudio TECCU.

Mariam Aguas

Instituto de Investigación Sanitaria La Fe

INDUSTRY COLLABORATIONS

GECHRONIC: Ensayo clínico aleatorizado para la evaluación del modelo de gestión integral de la enfermedad crónica apoyada en tecnologías de la información y comunicación.

IIS La Fe, Soluciones Tecnológicas para la Salud y el Bienestar, Accenture, VitalAire

FASYS: Fábrica absolutamente segura y saludable.

Soluciones Tecnológicas para la Salud y el Bienestar, S.A.

Evaluación de la satisfacción de los profesionales con el uso de tabletas electrónicas en hospitalización a domicilio.

Ferrer Farma S.A/ Grunethal Pharma S.A