

MAPAC-DX APP: A SUPPORT TOOL IN DECISION MAKING IN THE DIAGNOSTIC PROCESS IN EMERGENCY MEDICINE

A research group from CIBER, Instituto de Investigación Sanitaria Ramón y Cajal, Instituto de Investigación Hospital Universitario la Paz, Universidad de Alcalá, Fundación para la Investigación Biomédica Hospital Universitario Puerta de Hierro Majadahonda and Fundación Vasca de Innovación e Investigación Sanitarias has developed an App software and a method as a medical decision support system (CDSS).

The Need

The computed tomography (CT) and radiography (Rx) are part of the medical diagnostic process, but not exempt from risks for the patient, due to the ionising radiation they produce.

Despite the existence of clinical practice guidelines and consensus documents of medical societies on the use of ionizing tests, there are high rates of inappropriateness in the indication of radiological examinations, as well as the lack of knowledge that health professionals have of the risks from overexposure to ionizing radiation.

The Solution

MAPAC-DX App is an application designed to be a decision support tool in the context of emergency medicine, in the diagnostic process involving urgent CT (computed tomography) and X ray (plain radiography) requests.

It is especially needed in the emergency setting, where the diagnostic and therapeutic process must be precise and fast, where it aims to be useful for the physician requesting radiological tests (the user).

Innovative Aspects

- It is a useful method to help them know whether a patient is indicated for CT or X ray and to provide a method for clinical assessment of signs, symptoms and patient history.
- It reduces the high rates of inadequacy in the indication of radiological examinations.
- It also gives alternative recommendations when the test is not indicated.

Stage of Development:

Validated and ready to use.

Intellectual Property:

- Registered at Safe Creative

Aims

Looking for a partner interested in a license and/or a collaboration agreement to develop and exploit this asset.

Contact details