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

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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.

https://www.safecreative.org/work/2211082593771-app-mapac-dx

Stage of Development:

It has been developed, piloted, and validated ready to use it.

Intellectual Property:

• Freeware software

Contact details