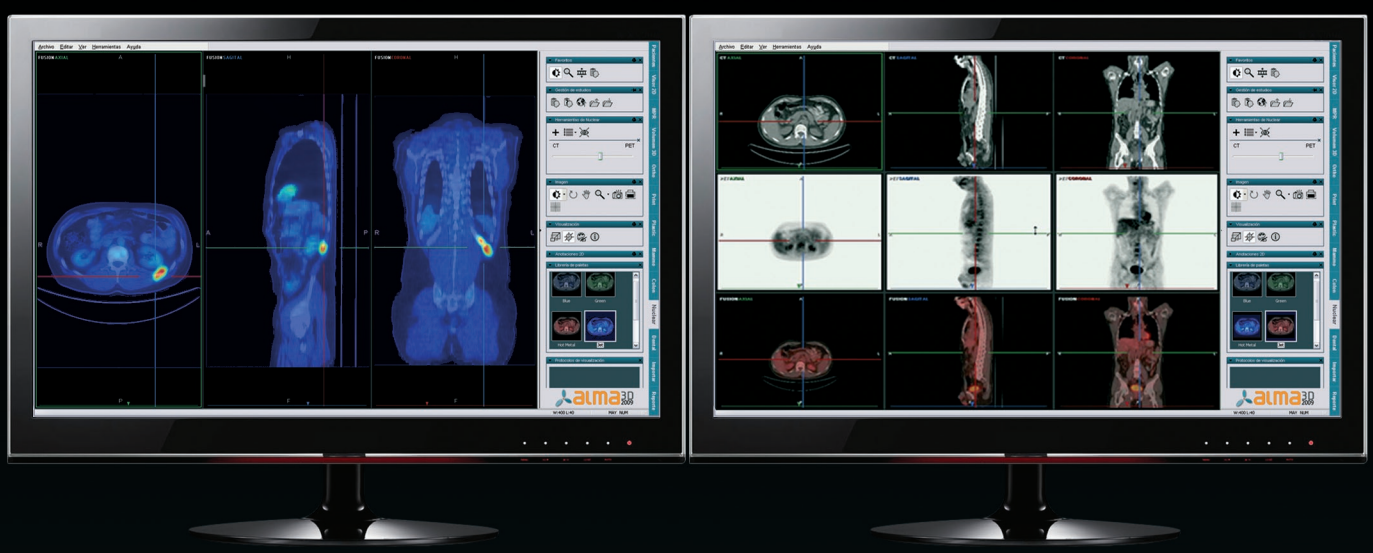
alma NUCLEAR

NUCLEAR MEDICINE

The Nuclear module offers specialized tools for the diagnosis of Nuclear Medicine explorations, such as low-energy scans or high-energy PET (Positron Emission Tomography). It also includes an advanced tool for PET/CT and SPECT/CT fusion.

When visualizing the low intensity gammagraphies, there is a selection of colour maps to choose from and the user can present the organized images under specific parameters of Nuclear Medicine (energy window, detector number, phase number, etc.)



The fusion tool provides the metabolic information from the PET, coloured over the anatomic view of the CT, therefore providing a detailed position of the lesion and an accurate diagnosis. Fusion PET/CT allows to select different colour maps, modify the opacity, perform the MPR reconstruction as well as the maximum intensity projection (MIP).
The tools are used to measure SUV (Standard Uptake Value), as well as rectangular, circle, polygonal and freehand ROI. It also includes specific tools for gammagraphy visualization of different types (planar, dynamic and tomographic), including a hanging protocol tool to personalize the visualization area and the views in the screen.

Multiplanar reconstruction (MPR) of PET and CT.

CT, PET and FUSION synchronization.

SUV measurement and ROI tools.

Validated by IHE as "Nuclear Medicine Image Display".

Independent colour maps for Nuclear Medicine.

Hanging protocols.

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