

Commercial Opportunities

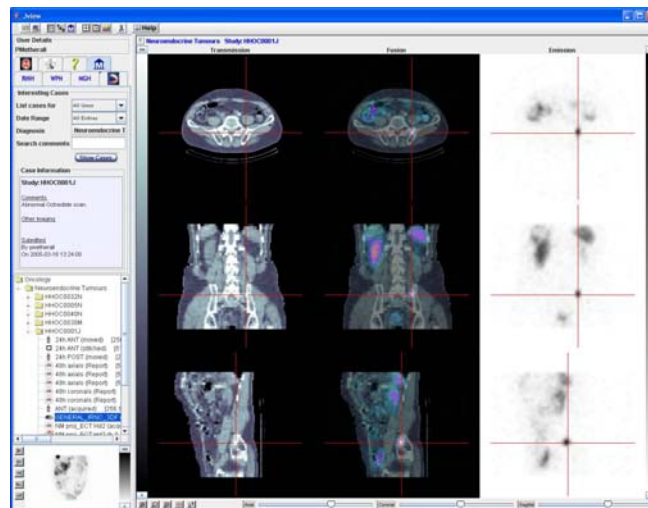
JView (Ref: 731)

Overview

JView is a Java-based software package for viewing nuclear medicine images in colour on any PC around a Trust. Its functionality allows the manipulation of an image to make it clearer so that diagnoses are made easier.

The Problem

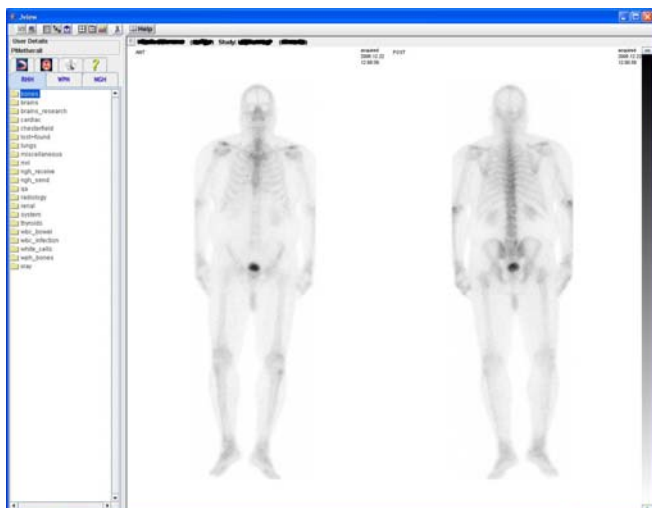
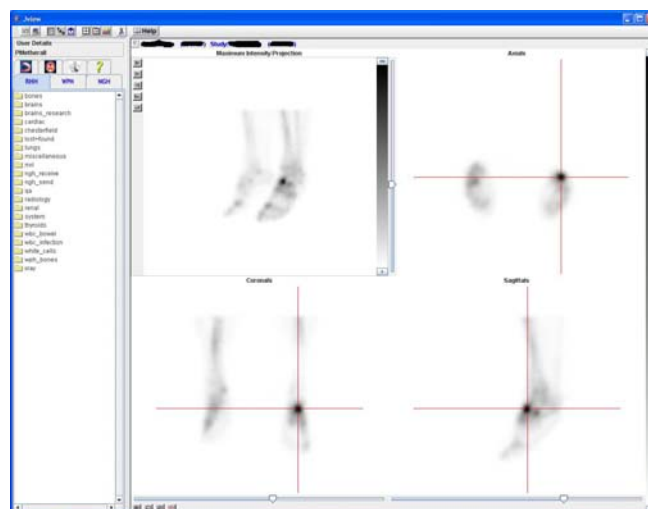
In 2003/4, some 670,000 nuclear medicine procedures were carried out in the NHS, and this number is still increasing. Nuclear Medicine applications require a different set of criteria for viewing than do X-rays. This means that viewing nuclear medicine images on PACS monitors which are optimised for X-rays results in poor image quality and an inability to use colour.



The Solution

JView is a Java-based application and allows nuclear medicine images to be viewed on any PC in a Trust, or via the internet in a clinicians' own home. Images can be manipulated so as to make them clearer and the software has a function so that it links an image to a patient report so as to check from the patient database that the patient is correct. Old images can be compared to new images so as to monitor the progress of a patient and colour can be used, unlike on existing PACS systems which are used to examine these images. The software also allows Ct images and emission spectra to be viewed either separately or together to allow more accurate diagnoses and monitoring of conditions.

The ability to store old images and to compare them to new images means that the software can be used as a teaching tool and to compare the symptoms displayed by one patient to another which is particularly useful in rare cases.



The Benefits

Nuclear Medicine images can be viewed and manipulated on any PC around a Trust, allowing a more accurate diagnosis of a patient's condition. Training of the next generation of nuclear medicine specialists is also made easier by the ability of the software to store old images and to compare these to new cases.

The Next Steps

Medipex are currently seeking to identify a company that would be interested in licensing this innovation for sale. The software has been used in the NHS Trust in which it has been developed for a number of years and the inventors are happy for interested parties to view it in action once a confidentiality agreement has been signed. It is anticipated that the software could also be used to view images generated from a wide range of sources around the hospital.

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