

POSSIBILITIES OF USAGE PROGRAMS IN RECONSTRUCTIONS PICTURES FROM GAMMA CAMERAS

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In this days some of gamma cameras are connected on computer systems and thru them we can do acquisitions and processing data to, and after processing diagnostic procedures we can print that data (color or black-white) instead filming.

Sometimes, picture form original programs (like DIAG) is not god quality and that picture is very hard to interpret if it's on the paper and that make some problems to other physicians whom are not directly involved in diagnostic procedure. That can make misunderstanding between physicians because the nuclear medicine specialist have pictures on the screen (gamma camera) and can see some change but that change other physicians can't see on the paper. Can we make that pictures with better quality with some programs for processing pictures?

Some pictures from Mediso gamma camera have been process in one of the most frequently useful program for pictures processing, Photoshop.

During the processing many different filters and effects have been used. After that, new pictures have been compared with original pictures to find any differences between them.

In the most of pictures, after processing in the Photoshop are visible differences, in the way of increasing visibility, depend of processing procedures.

Preference of this procedure is that the pictures are better quality and with increase visibility for other physicians who don't have access to gamma cameras and see changes like nuclear medicine specialist.

Most of the physicians, and many other, are not educate for work with programs like Photoshop and that is defect of this procedure.

On the end if the conclusion is necessarily, we can say that we have way to make better pictures, with better quality and increase visibility but we don't have stuff in hospital who can do procedures like this. But, for very important pictures, for patients and other physicians, we need some procedures to get better visibility. For that we can use some filters in original programs (like DIAG) or take external programs for processing pictures.