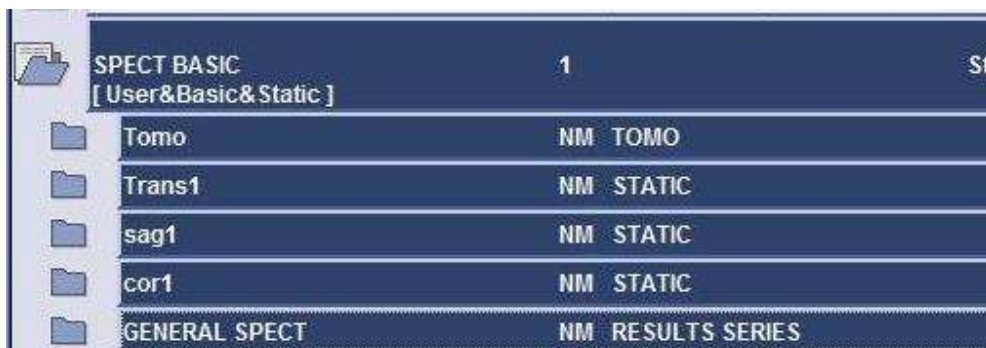


Creating a MIP from SPECT/AC SPECT in Xeleris2

6 June2008

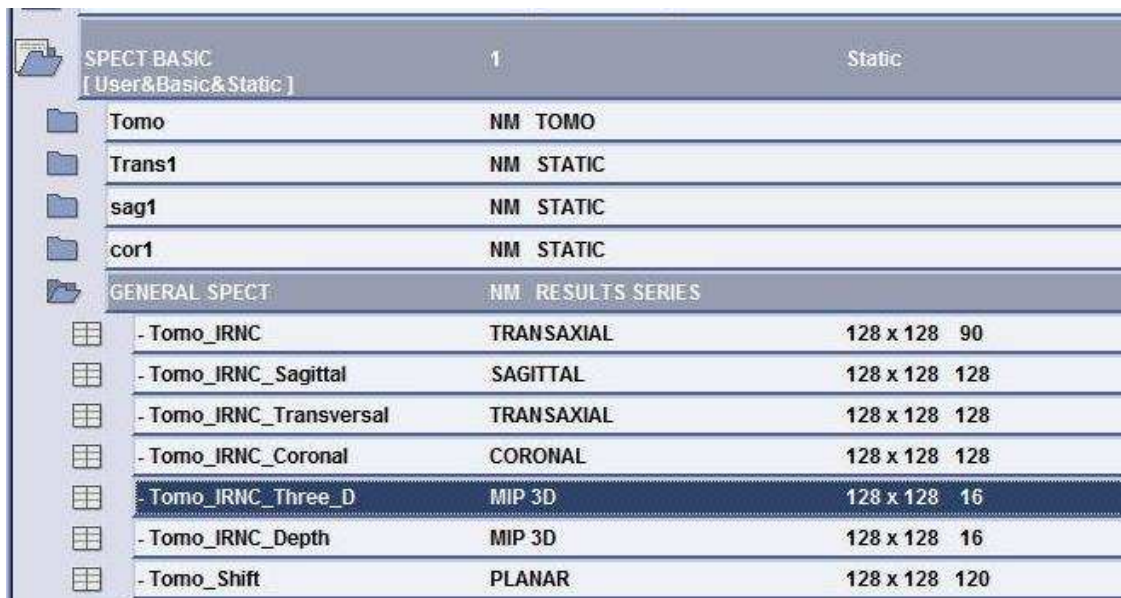
The Xeleris2 upgrade changed the methodology of creating MIPs. Further, the way to create MIPs is not consistent between regular SPECT studies and attenuation-corrected studies. I will briefly illustrate how to create a MIP projection in each, how to create a screenshot of the MIP, and what MIP files to send to PACS. In the examples, all planar images have been removed for clarity.

All regular SPECT processing protocols produce the same sorts of results series. While the processing filters (or number of screenshots of slices) may be different, the basic functioning is the same. After processing any regular SPECT study, you will have entries that appear something like the below:



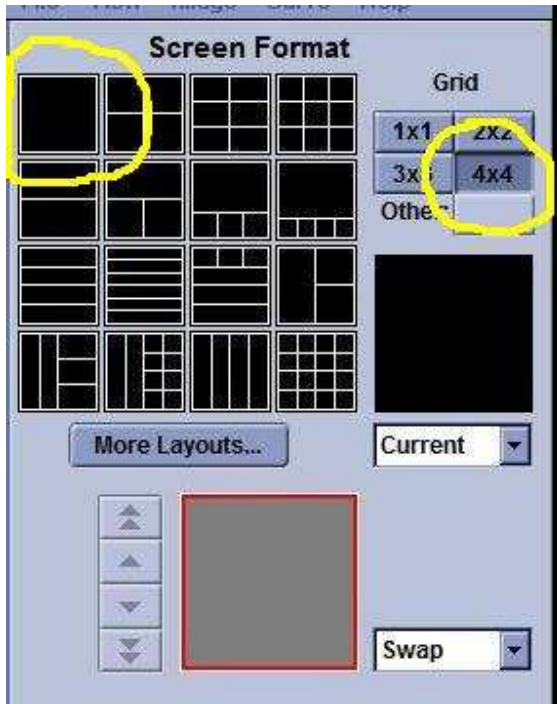
Folder Name	Type
SPECT BASIC [User&Basic&Static]	1 Static
Tomo	NM TOMO
Trans1	NM STATIC
sag1	NM STATIC
cor1	NM STATIC
GENERAL SPECT	NM RESULTS SERIES

The MIP has been automatically created, and is inside the *Results Series* folder. Load the MIP (shown selected) into **Load to New**.



Folder Name	Type	Dimensions
SPECT BASIC [User&Basic&Static]	1	Static
Tomo	NM TOMO	
Trans1	NM STATIC	
sag1	NM STATIC	
cor1	NM STATIC	
GENERAL SPECT	NM RESULTS SERIES	
- Tomo_IRNC	TRANSAXIAL	128 x 128 90
- Tomo_IRNC_Sagittal	SAGITTAL	128 x 128 128
- Tomo_IRNC_Transversal	TRANSAXIAL	128 x 128 128
- Tomo_IRNC_Coronal	CORONAL	128 x 128 128
- Tomo_IRNC_Three_D	MIP 3D	128 x 128 16
- Tomo_IRNC_Depth	MIP 3D	128 x 128 16
- Tomo_Shift	PLANAR	128 x 128 120

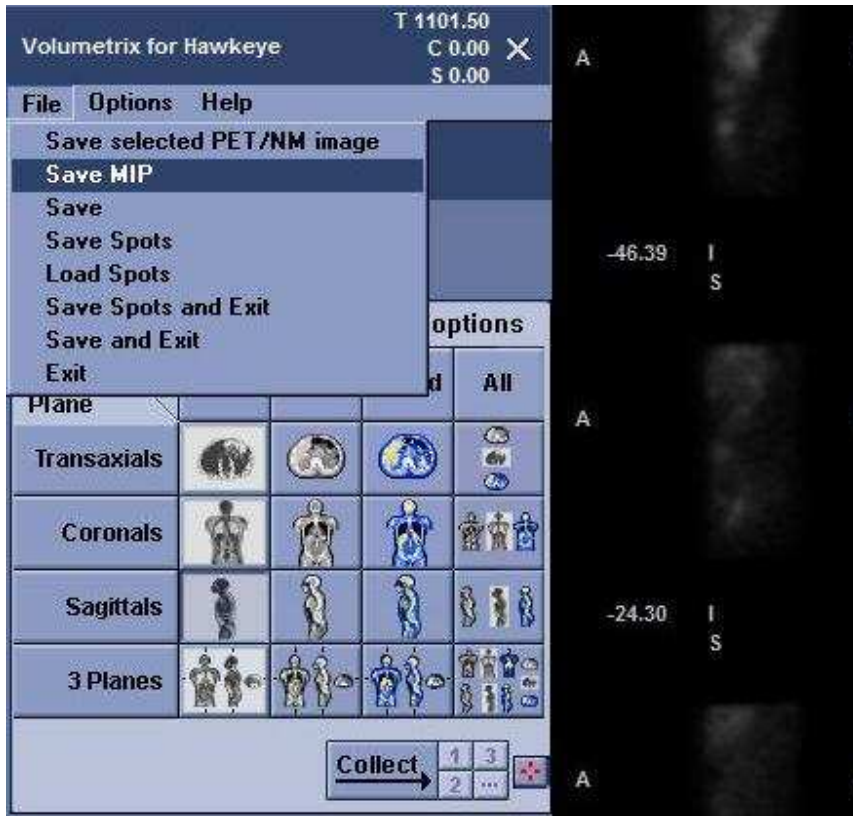
Press the **4x4 grid button** and the **single image** button (circled in the illustration) to have your MIP be displayed properly. Take a screenshot.



The two selected images below should both be sent to PACS.

GENERAL SPECT		NM RESULTS SERIES	
- Tomo_IRNC	TRANSAXIAL	128 x 128	90
- Tomo_IRNC_Sagittal	SAGITTAL	128 x 128	128
- Tomo_IRNC_Transversal	TRANSAXIAL	128 x 128	128
- Tomo_IRNC_Coronal	CORONAL	128 x 128	128
- Tomo_IRNC_Three_D	MIP 3D	128 x 128	16
- Tomo_IRNC_Depth	MIP 3D	128 x 128	16
- Tomo_Shift	PLANAR	128 x 128	120
ScreenCap_MIP	NM STATIC		

Attenuation corrected SPECT studies do not automatically create a MIP when you **Save and Exit**. However, they can be created within the processing application. After you have created all of your screenshots for the slices, *before* you exit, choose the **Save MIP** in the **File** menu.



This creates a file *MIP* in the study. Process this exactly the same way as you did the MIP from the regular SPECT study. Send the two files (shown selected below) to PACS.

