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Clinical Education

NM Viewer: Fuse CT and MR Images




Purpose

The IntelliSpace Portal NM Viewer has the capability to fuse CT and MR images for evaluation of similar anatomy.




This application has additional workflow steps and functionality, which are detailed in the Instructions for Use, and this quick step, is not intended to substitute or replace the *Instructions for Use*.

Workflow

To fuse CT and MR images using the NM Viewer:



1. From the **Patient Directory**, select the appropriate CT and MR series to fuse and click  (NM Viewer).

Images load into viewer.



2. Point to  (Series display).
3. Press **CTRL** and then select both the CT and MR series.
4. Right-click and select **Launch**. The images launch into the NM Viewer.
5. Press **F12** to overlay the images being registered.
6. Point to the image tab of the fused image to make that the active viewer.
7. From the control panel, point to the  (drop-down arrow) and select **Registration**.
8. Select the appropriate fusion algorithm from the drop-down list.
9. To begin the auto fusion process, click  (Automatic Registration).



Note

If you want to use the manual fusion options, click  (Registration – translate) or  (Registration – rotate) as needed.

10. Perform one or more of the following:

- To save the registration, click the **Save** drop-down arrow and select  (Save resampled series). To use the correctly fused images in the future, select this resampled series to load into the NM Viewer.
- To bookmark the images, click  (Bookmark) and set the bookmark in the **Save Bookmark** dialog box.

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Images shown in this guide are examples; the planning required should be discussed with the radiologist. **Warranty**

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