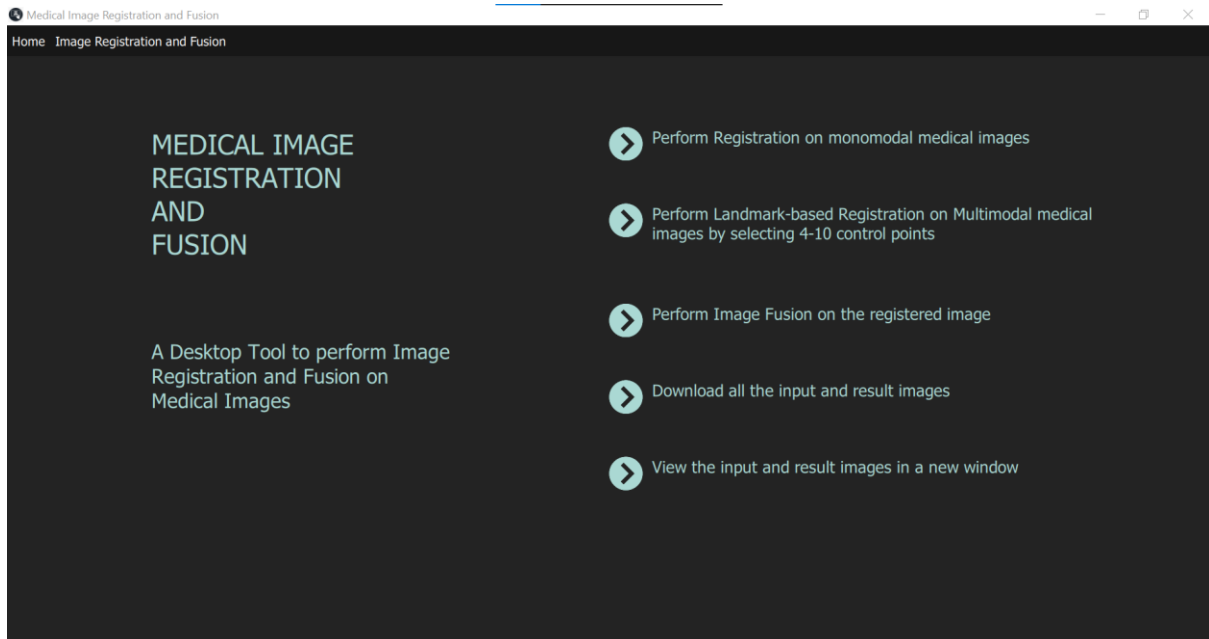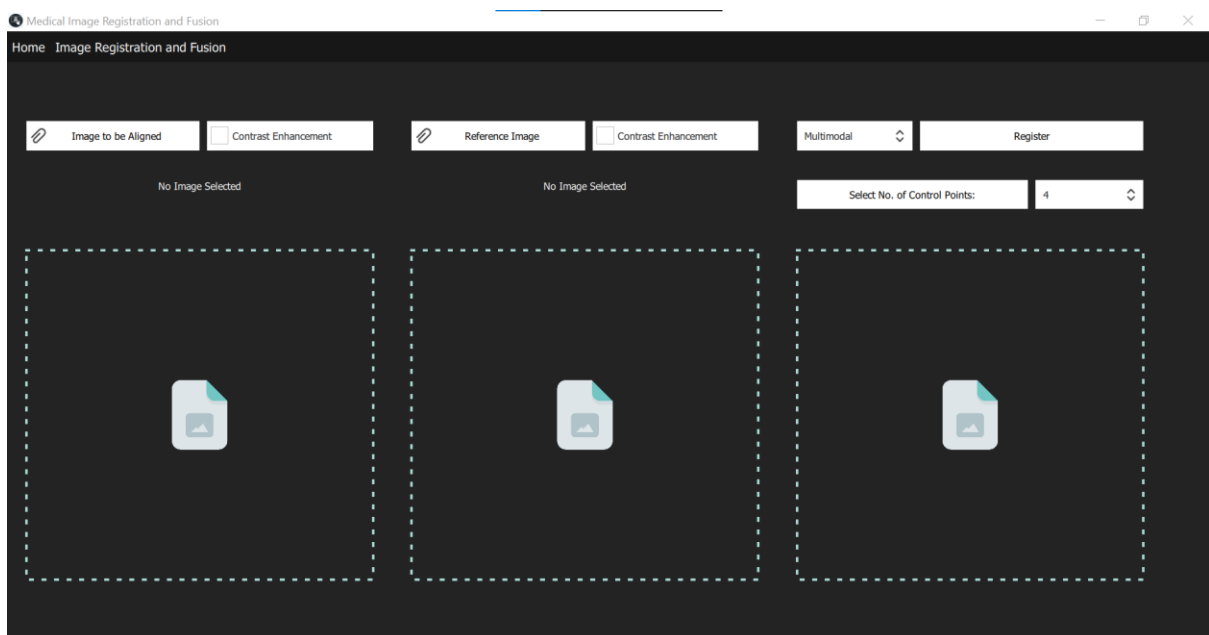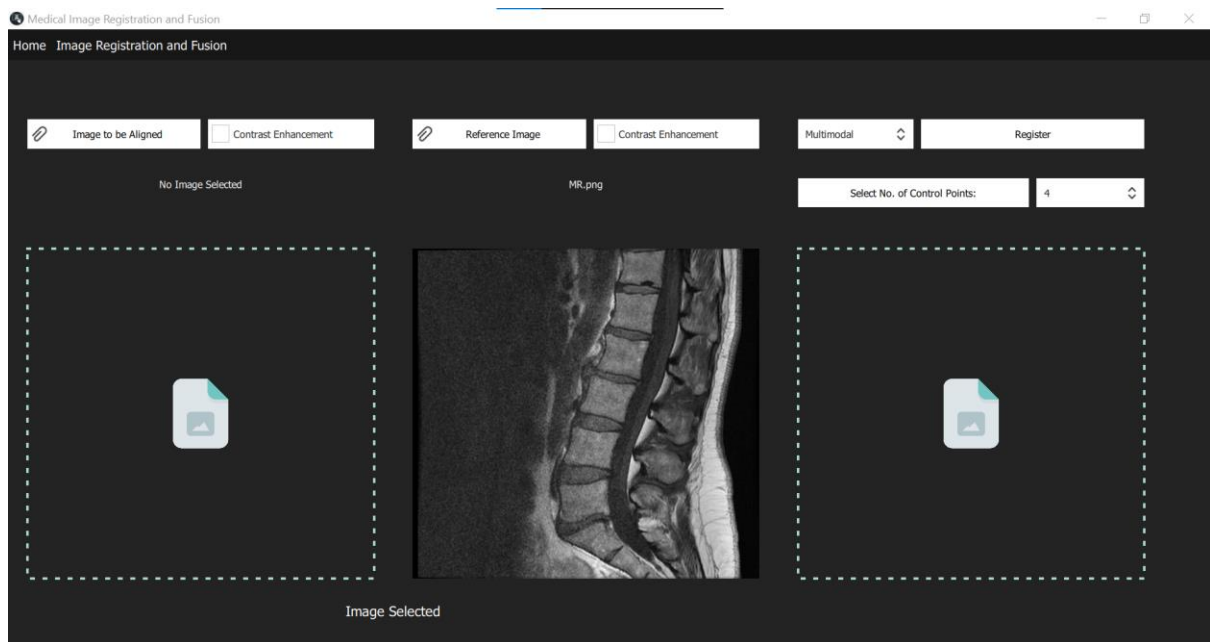# USER INTERFACE AND APPLICATION FEATURES

Homepage

Registration and Fusion Page

Reference image selected and displayed with it's filename
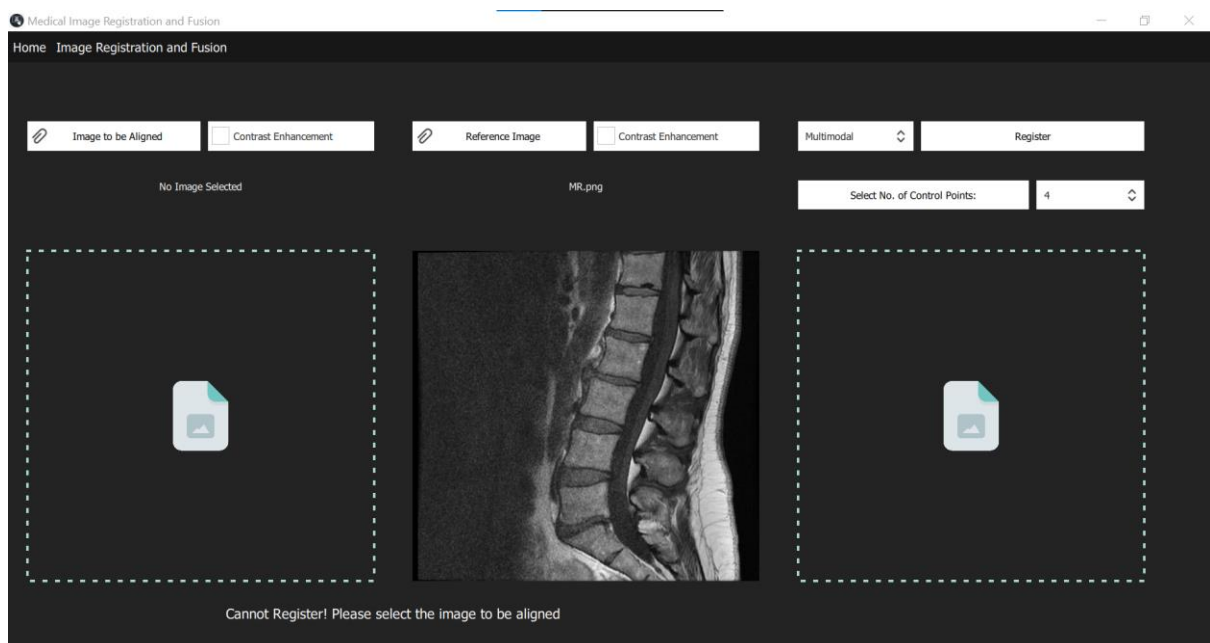

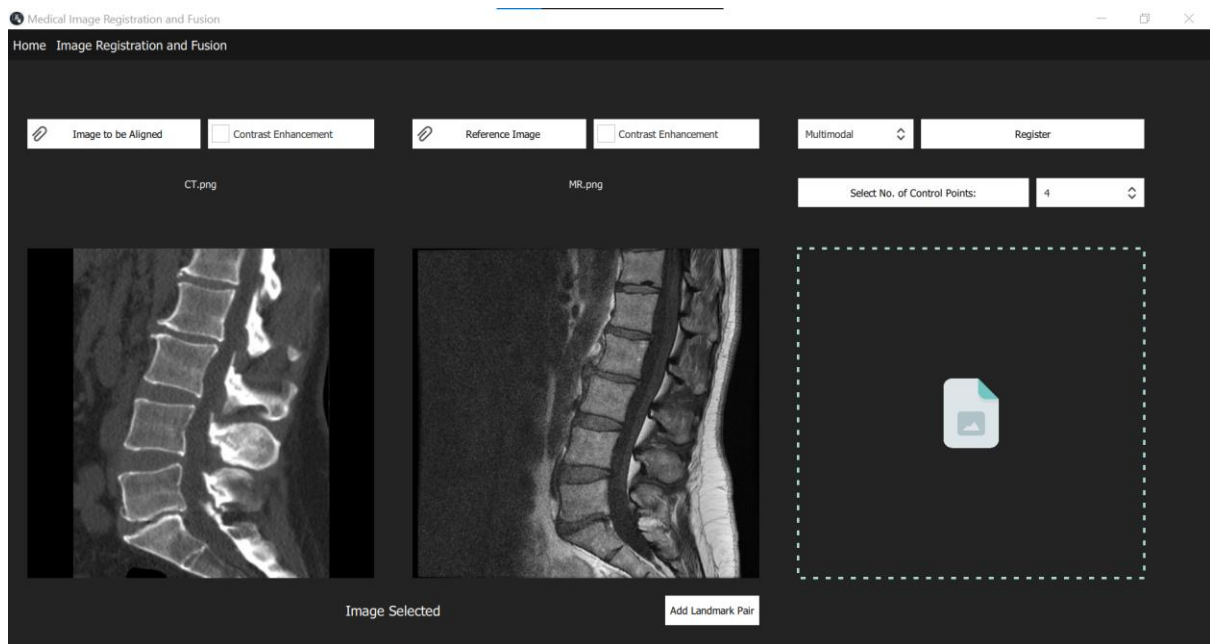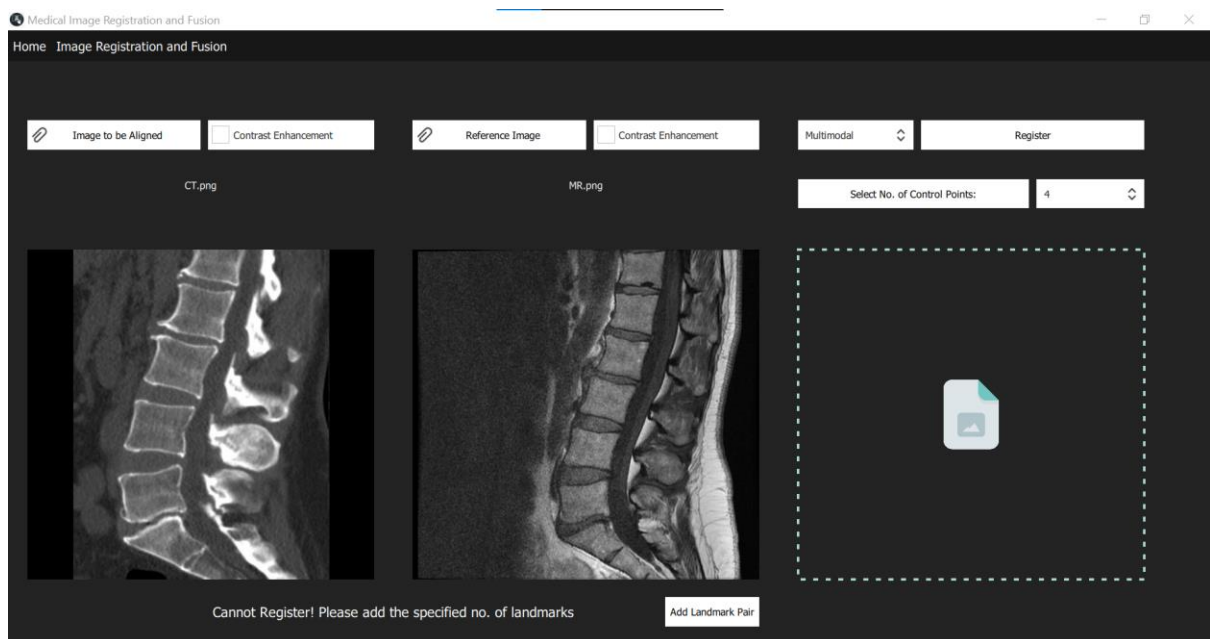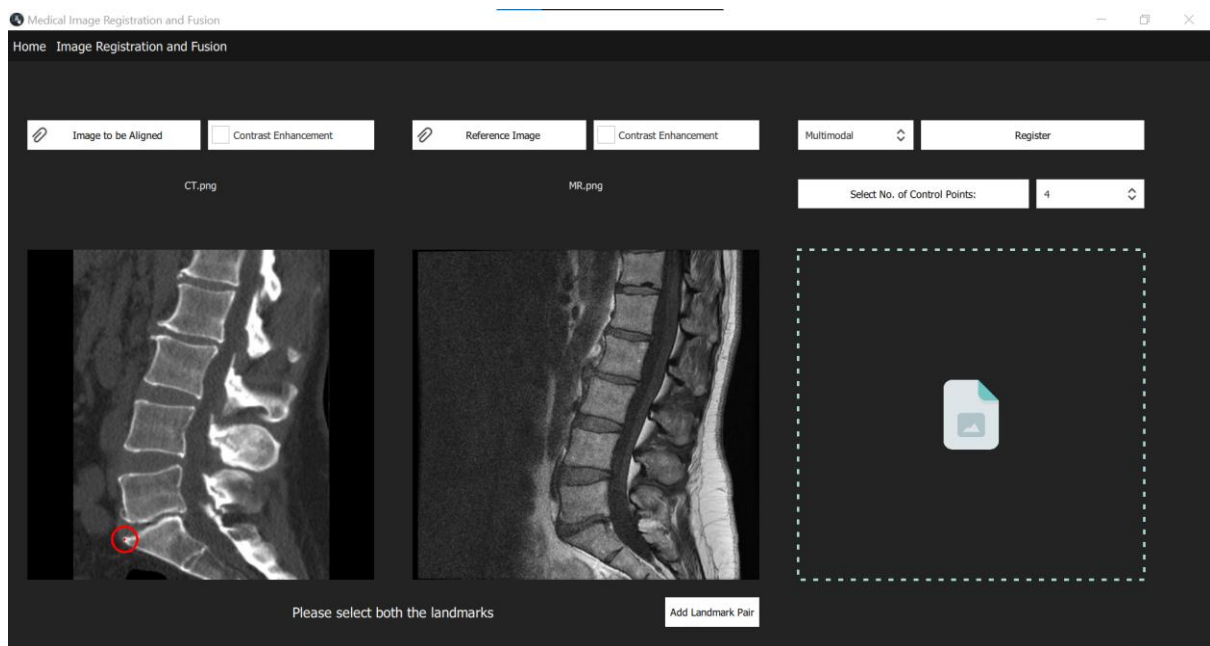Message displayed on trying to register without selecting both the images
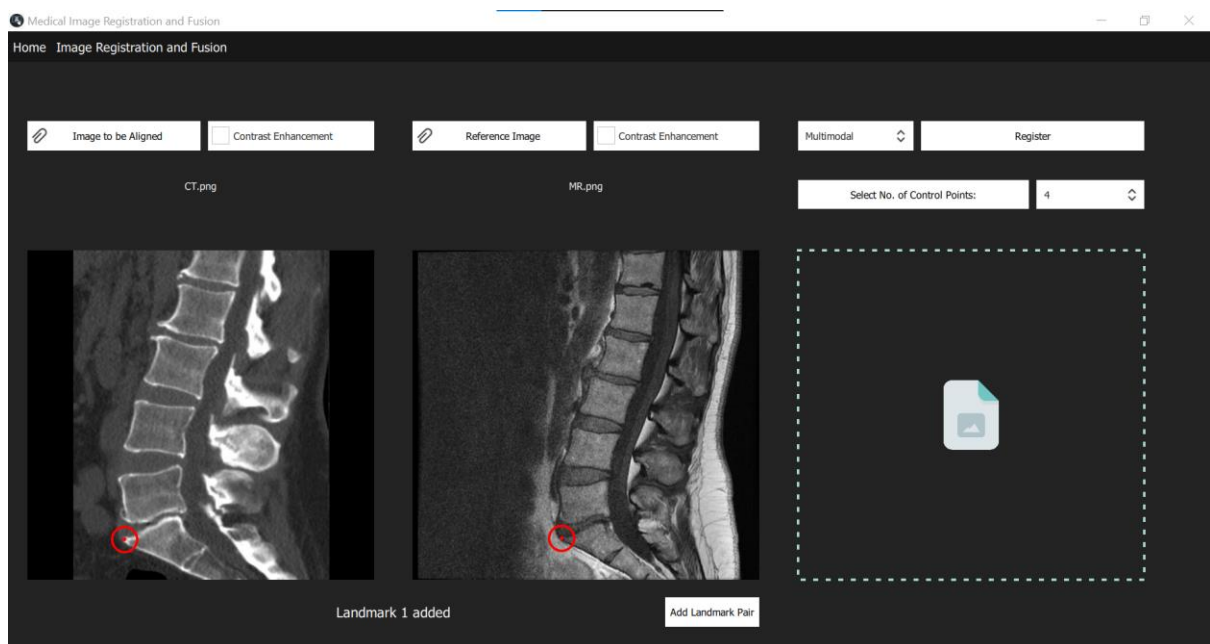
Image to be aligned is selected

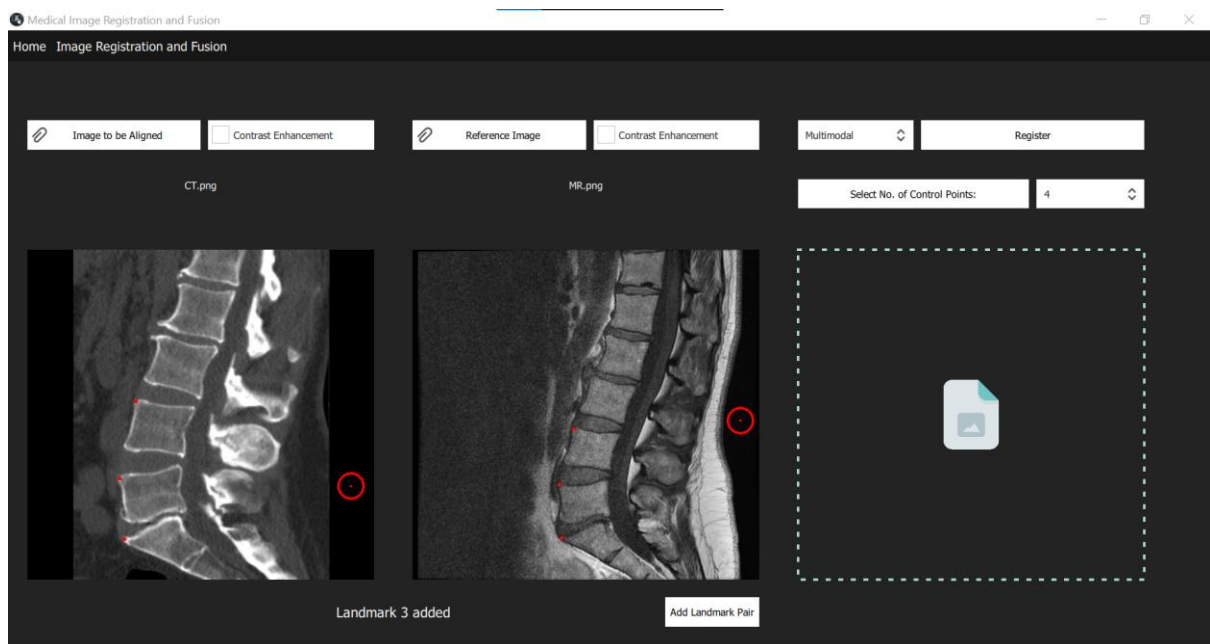Message displayed on trying to do multimodal registration without adding landmark pairs

Trying to add a landmark pair without selecting a point on both images
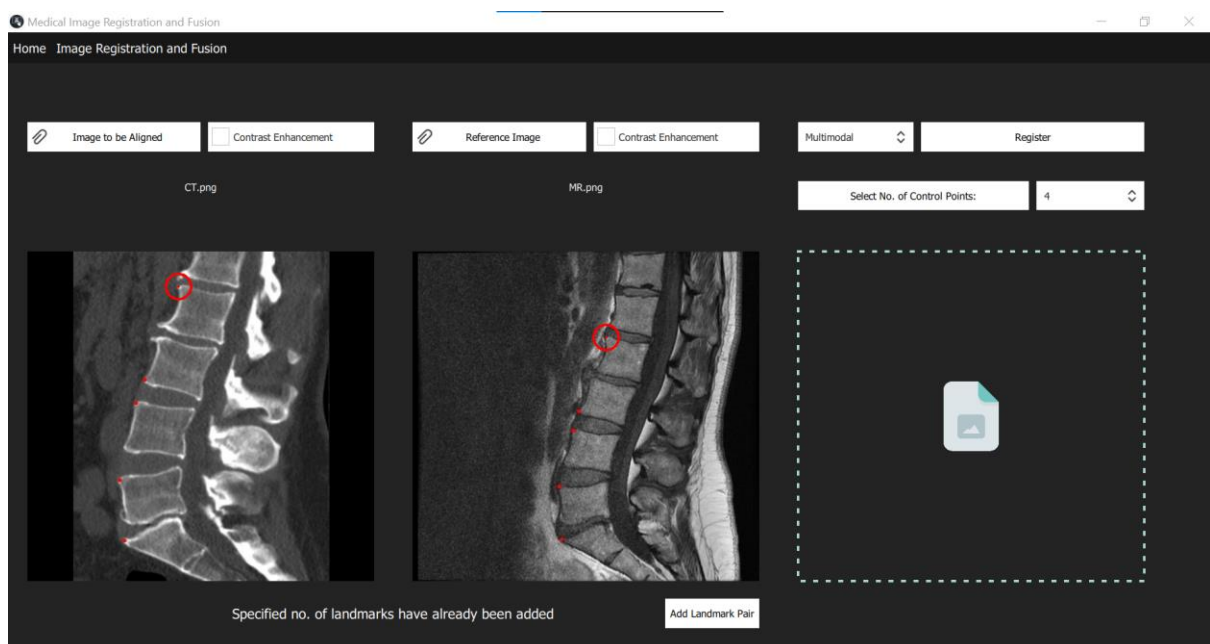

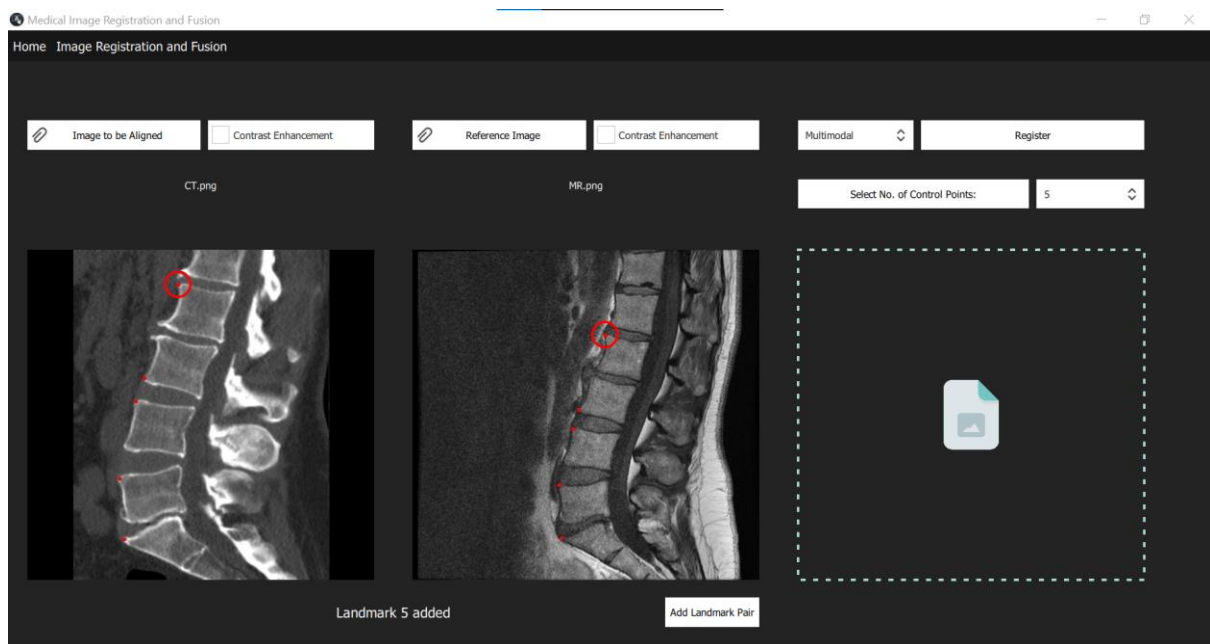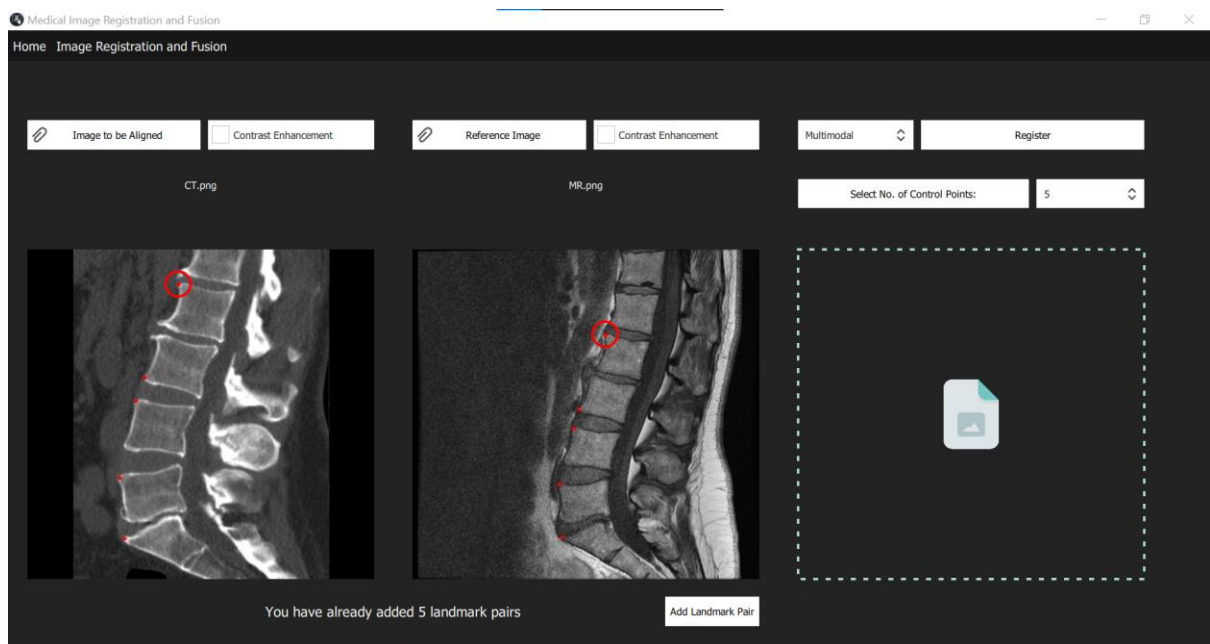Successful addition of first landmark pair

3 landmark pairs added so far

Trying to add a landmark pair after 4 (selected) of them have already been added
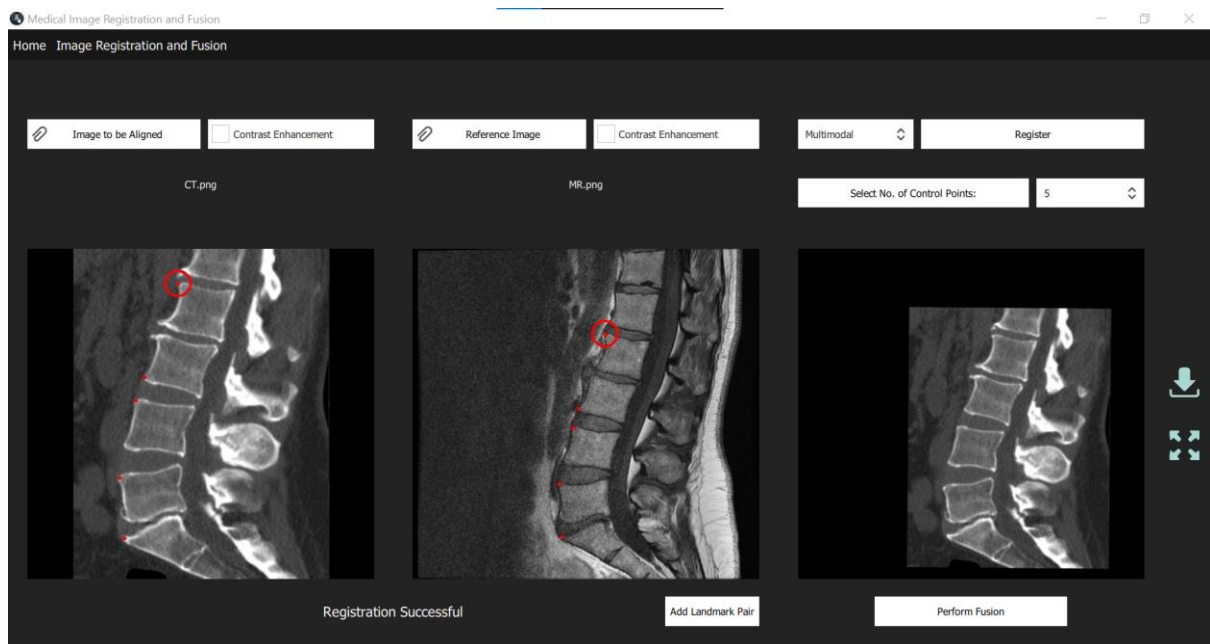
Changing the selected no. of control points to 5 and then adding a 5th pair

Trying to change the selected points to 4 after adding 5 pairs
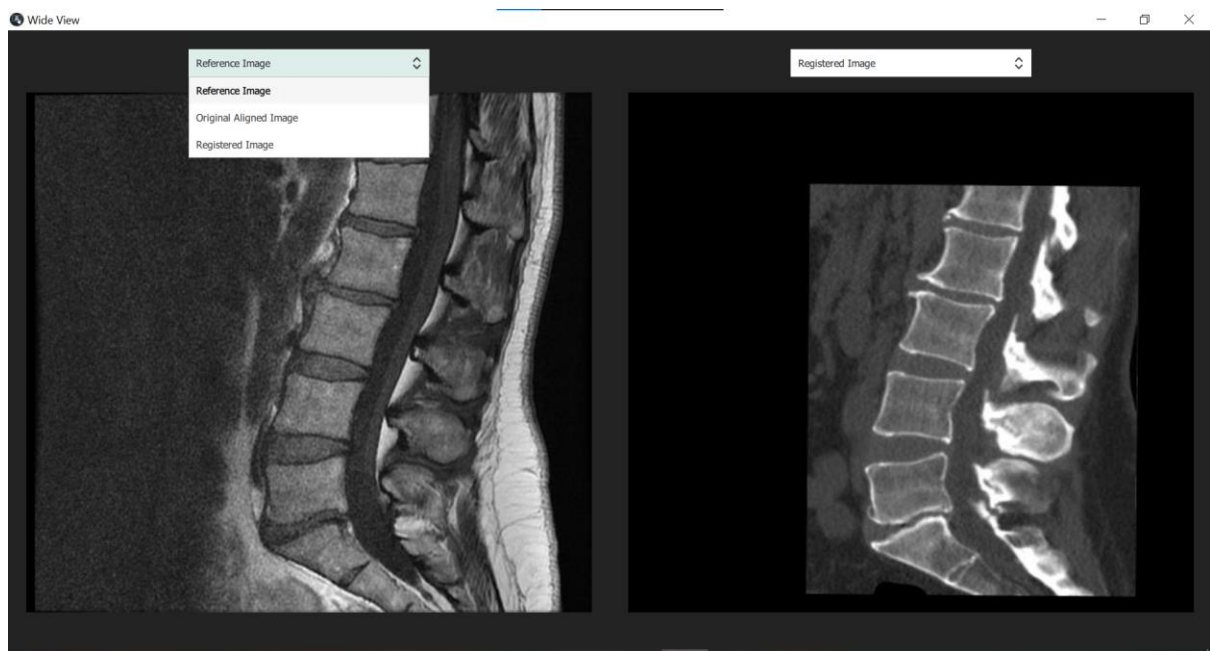
After clicking on register, output is displayed and fusion, save and wide view features now available
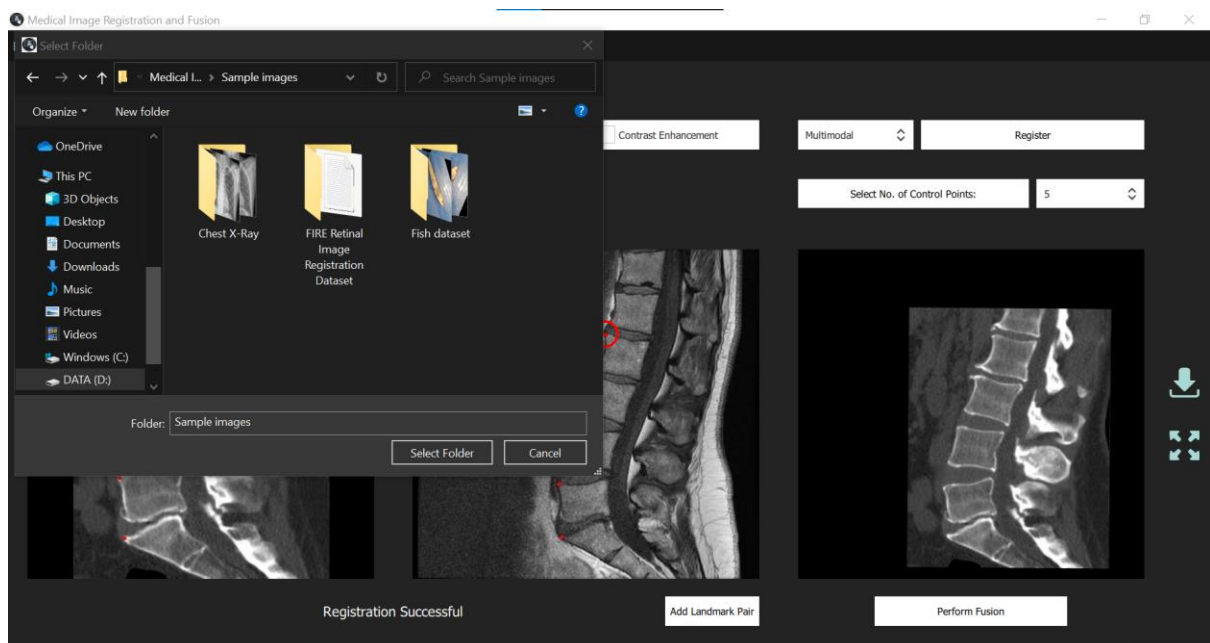

On clicking wide-view button

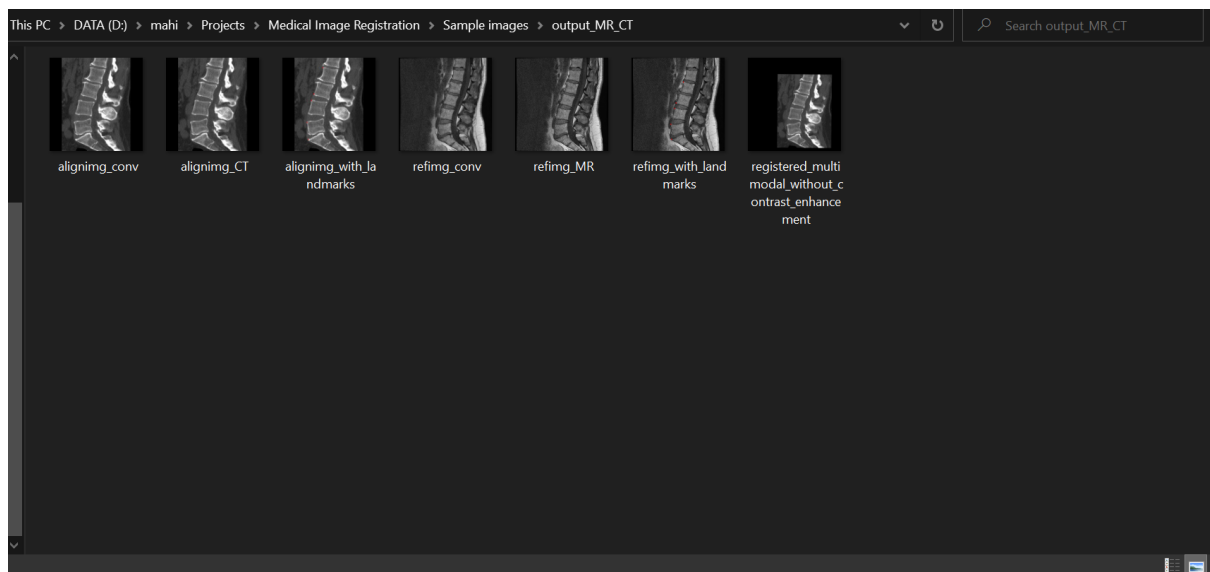Options to change the image available on both sides
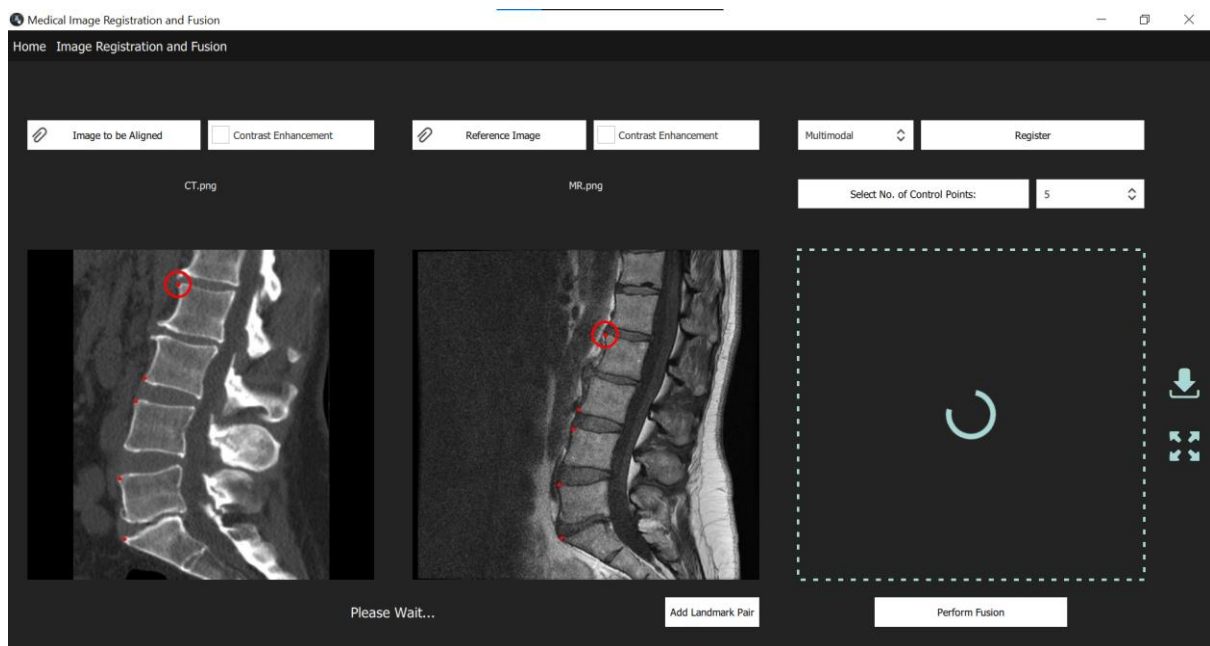

Selecting the folder to save the output

Message displayed after saving
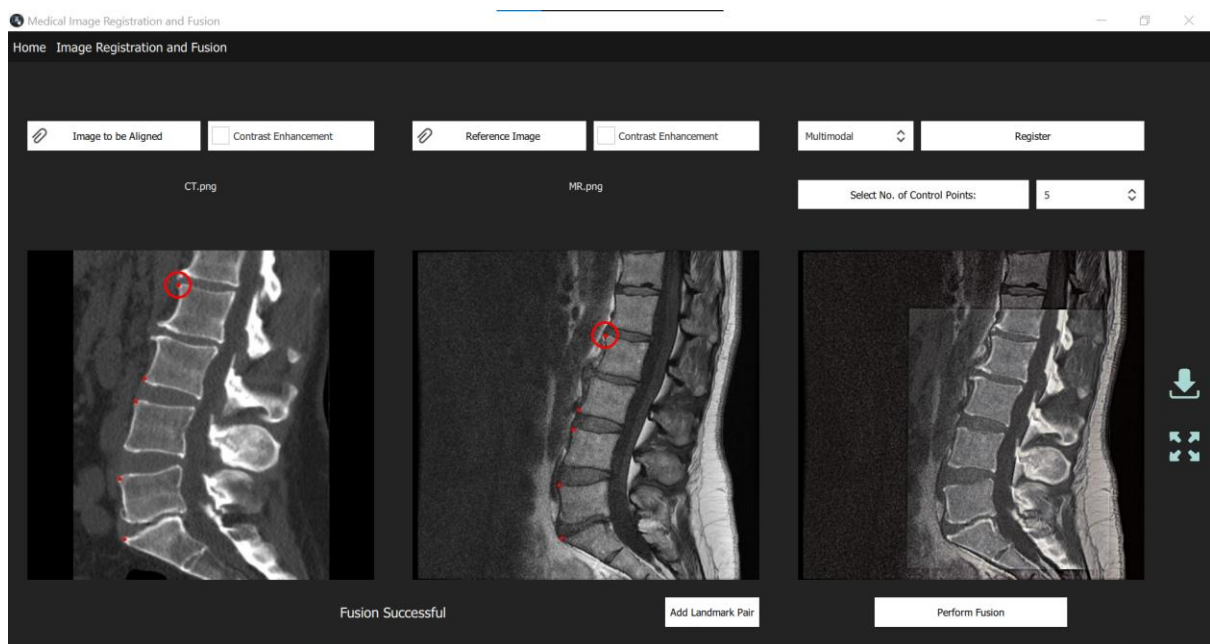

Saved directory
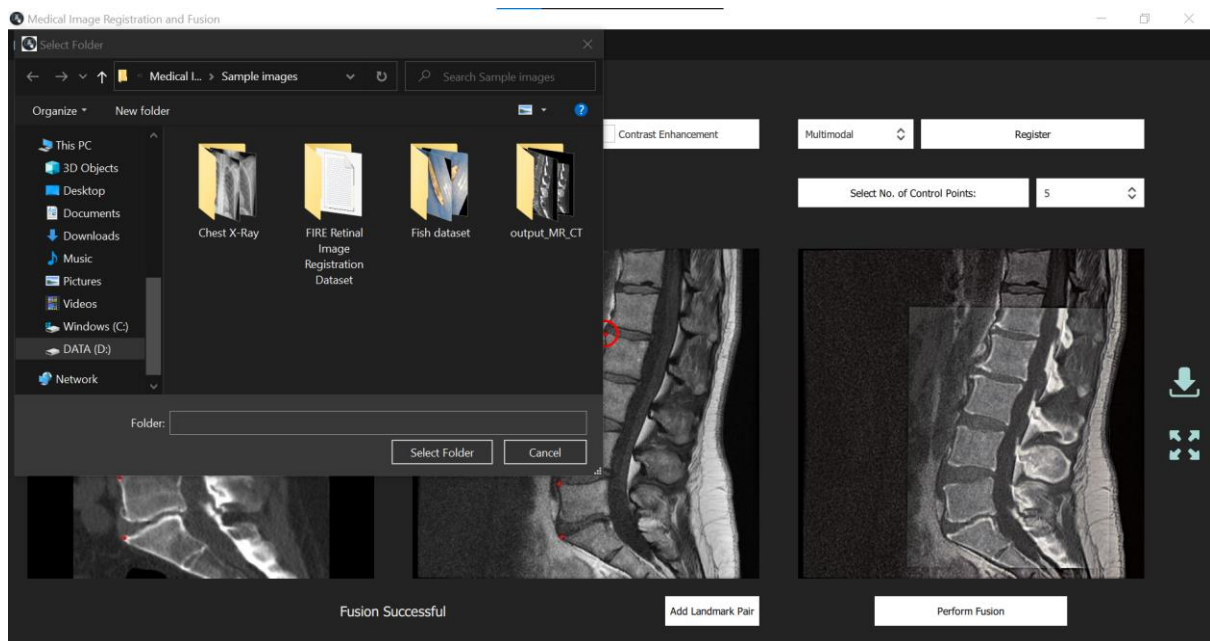
Clicking on Fusion button

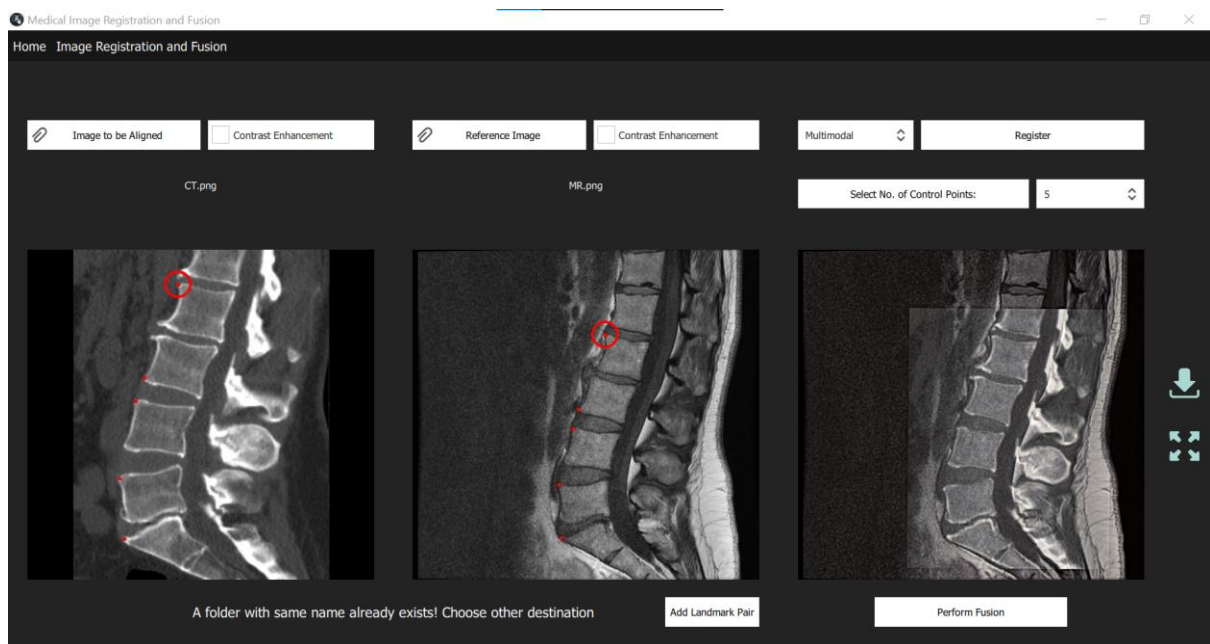

Output on successful fusion

Option to view fusion image in wide view is now available
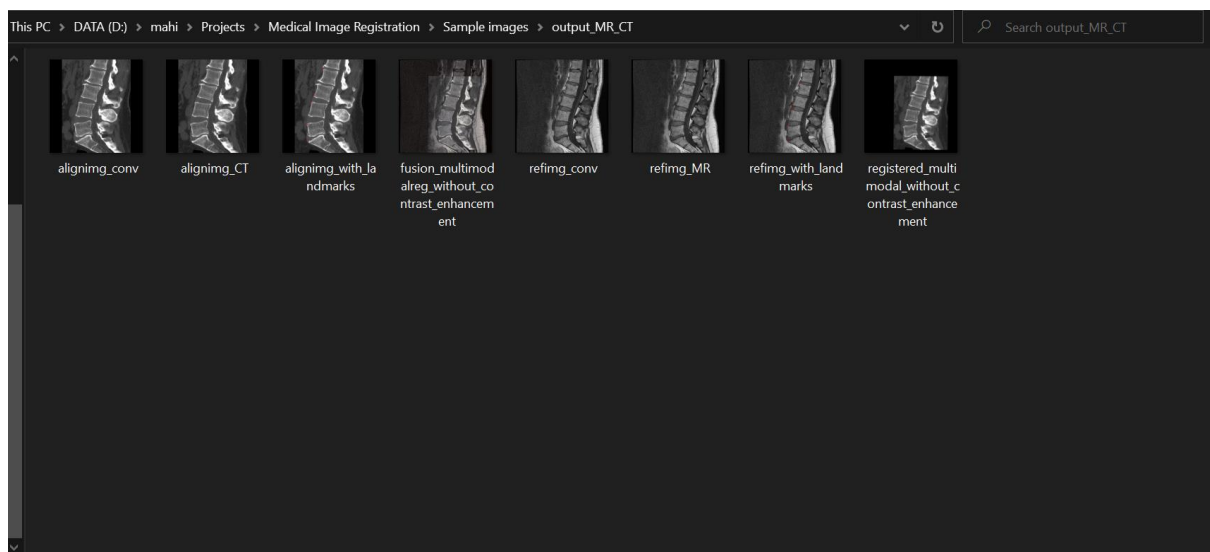

Trying to save the output in the same directory as earlier (where it already exists)
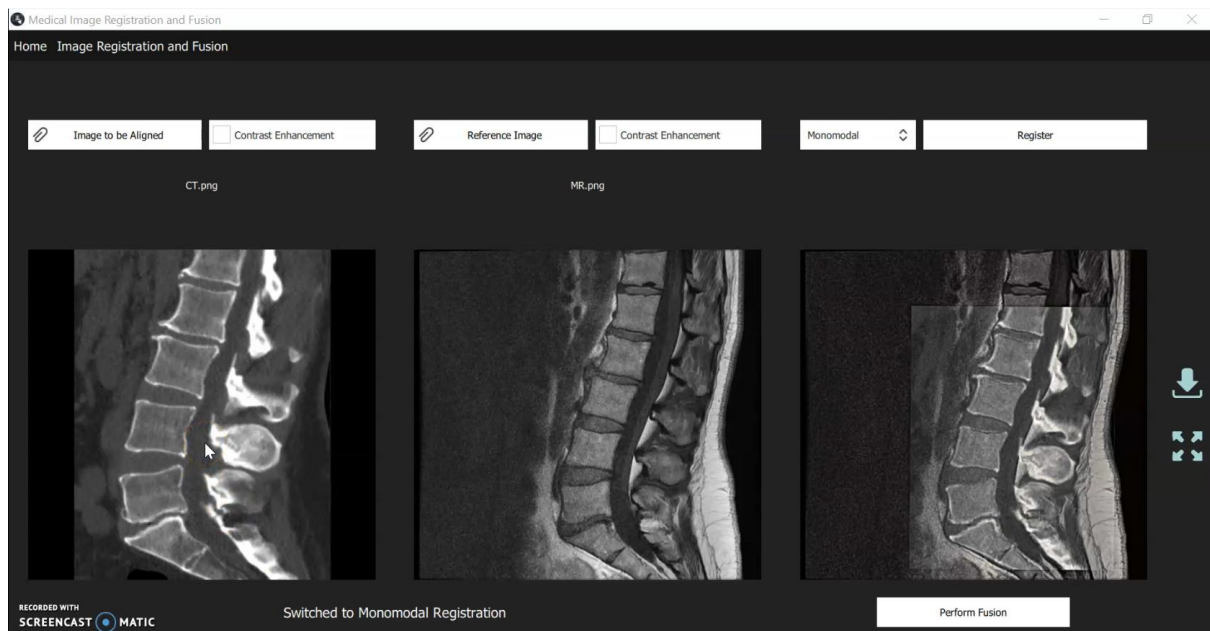
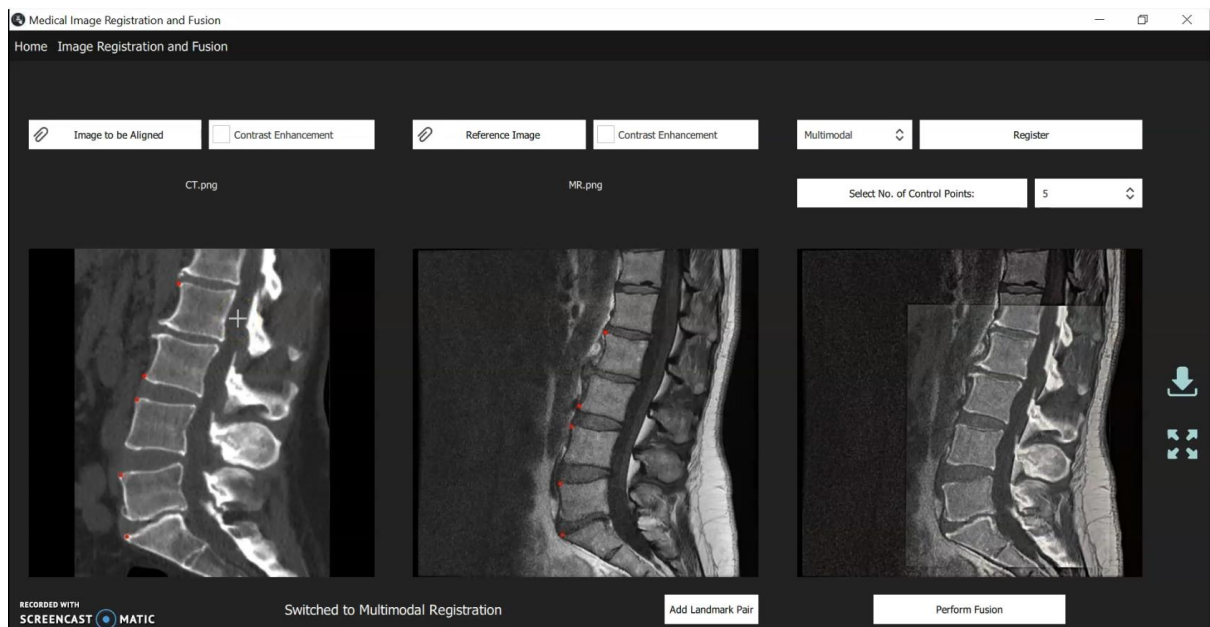Message displayed because files couldn't be saved

Saving again after deleting the earlier saved directory. The registered and fusion images are now present

Switching to monomodal registration. Button to add landmark pair and select no. of control points disappears. The landmark points disappear and the mouse pointer is displayed as an arrow even on hovering on the images

Switching to multimodal registration. Button to add landmark pair and select no. of control points are visible. The landmark points are also visible and the mouse pointer is displayed as a cross on hovering on the images
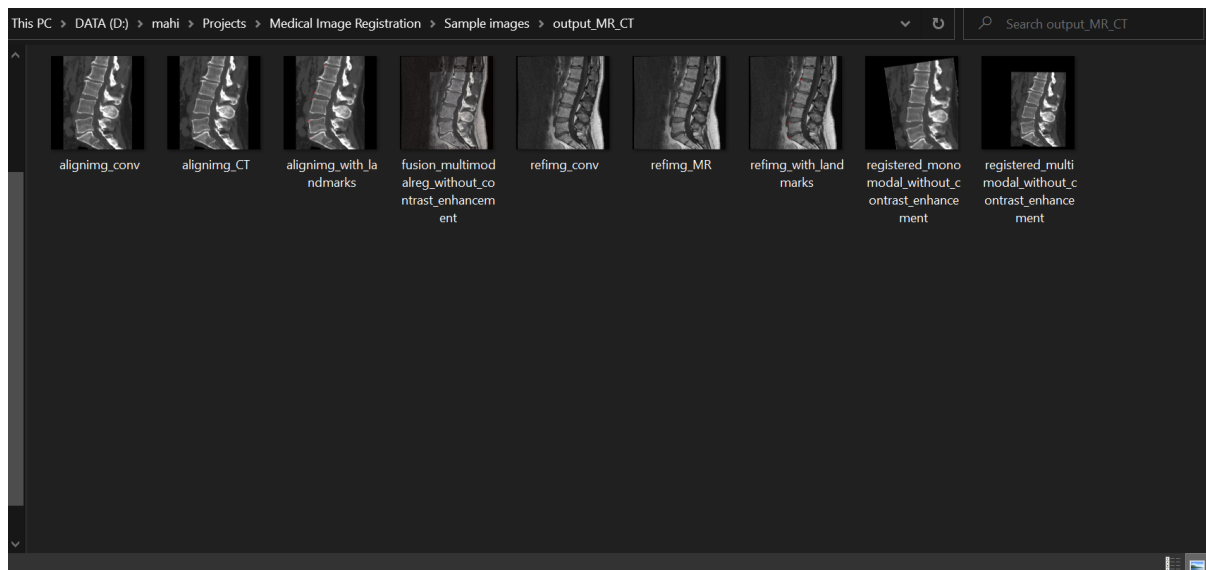
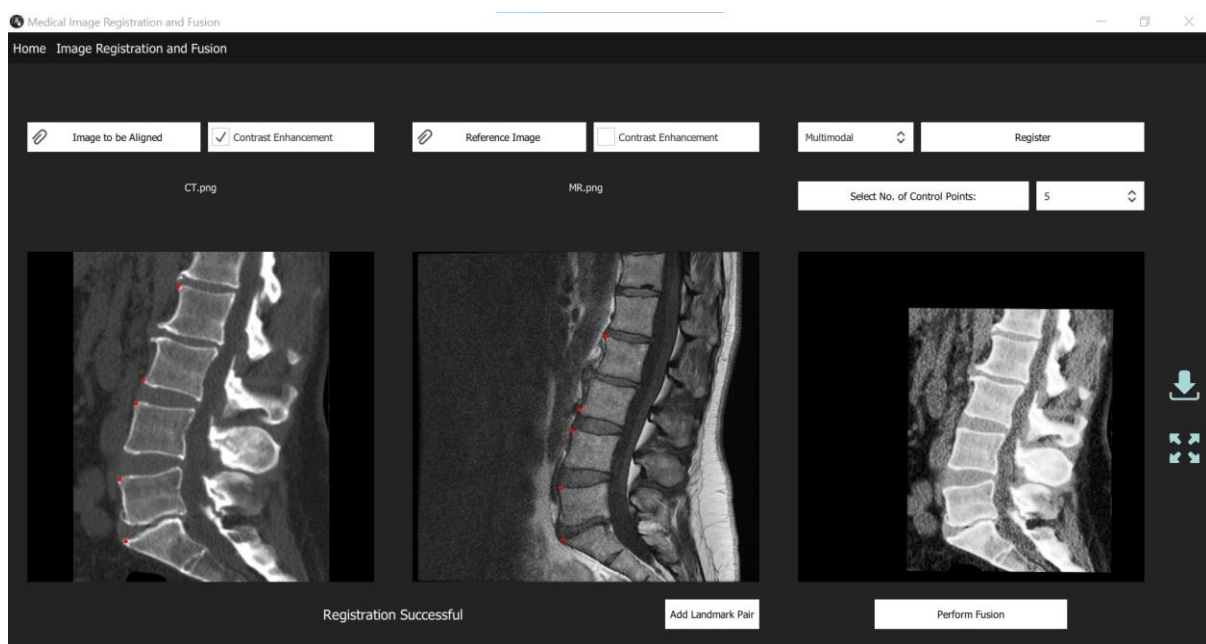Performing monomodal registration

The new registered image visible and fusion option hidden since this image hasn't yet been fused

On saving, the output directory also contains the earlier performed multimodal registration and fusion on the two images as well the new monomodal registered image.

Multimodal registration with contrast enhancement applied on the image to be aligned

New image selected for image to be aligned. Earlier progress is deleted. The fusion, save and wide view features are now unavailable.

The dicom file selected is converted to jpeg and then displayed.