RetinaRegNet Results

Figures 1, 2, and 3 show the mean landmark error for each case in the FIRE, FLoRI21, and LSFG datasets, respectively.

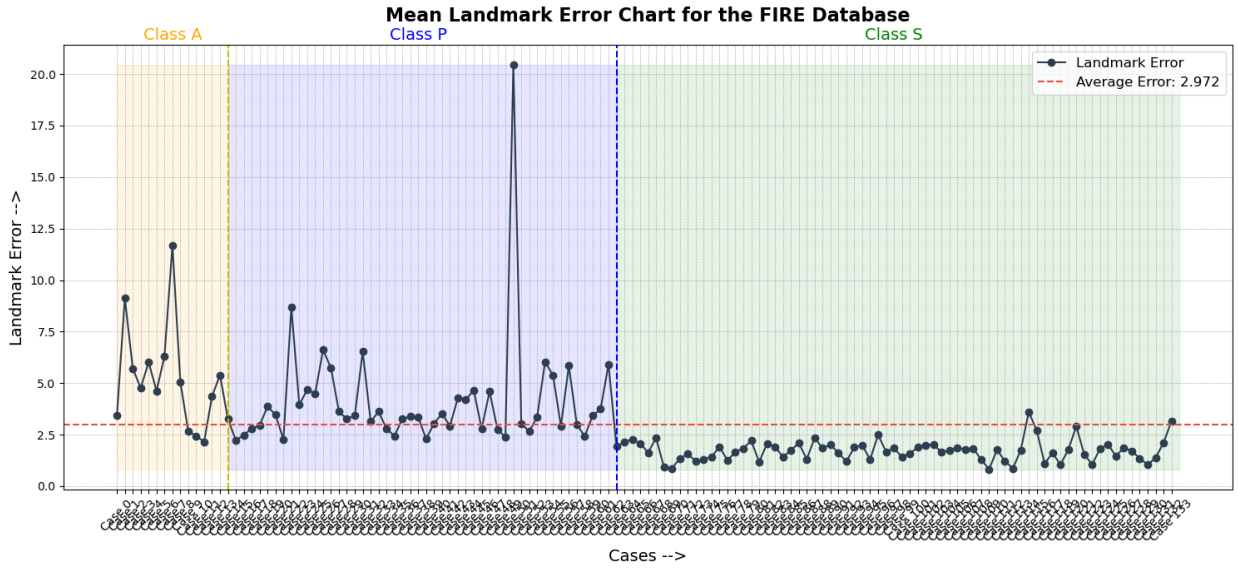

Figure 1: Mean landmark error for each case in the FIRE dataset.

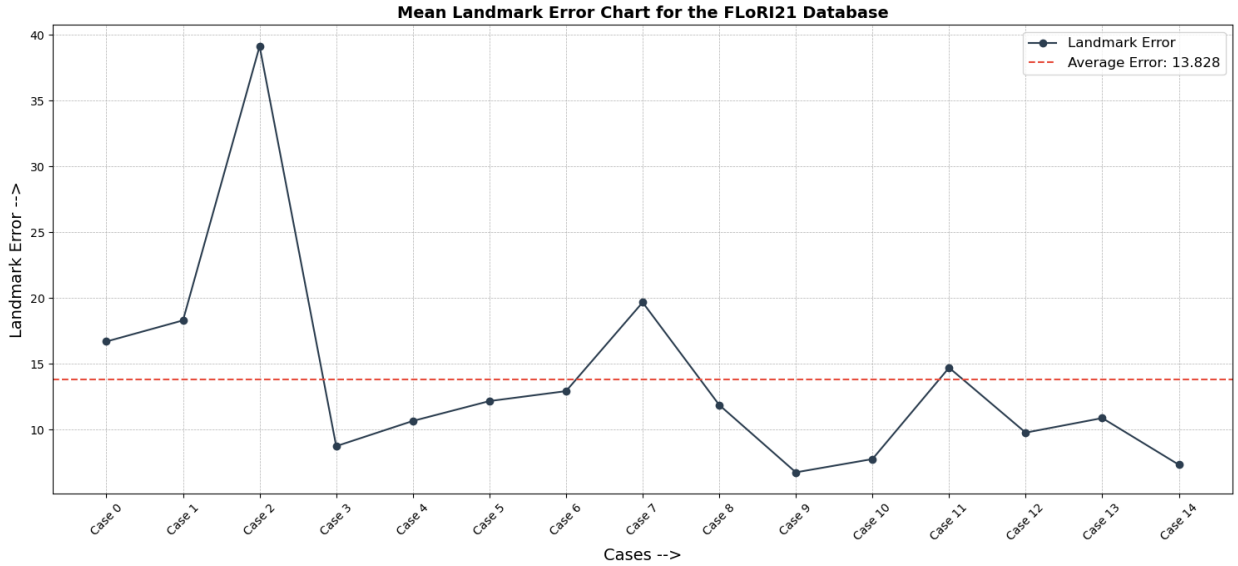

Figure 2: Mean landmark error for each case in the FLoRI21 dataset.

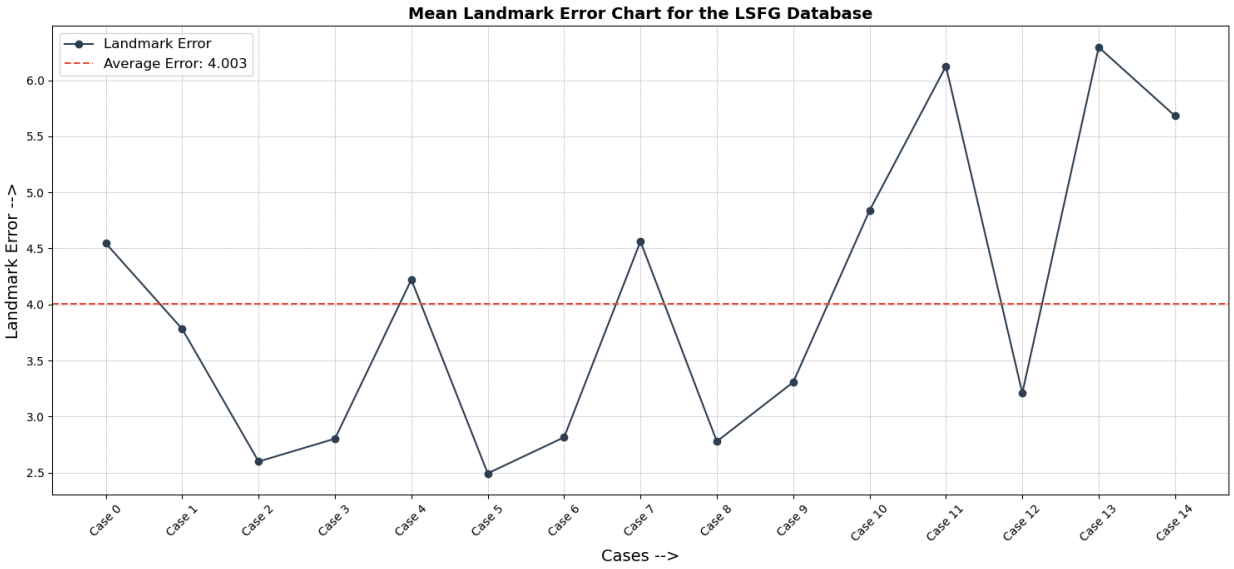

Figure 3: Mean landmark error for each case in the LSFG dataset.

Figure 4 demonstrates the superior performance of RetinaRegNet over SuperRetina in handling large displacement and scaling deformations.

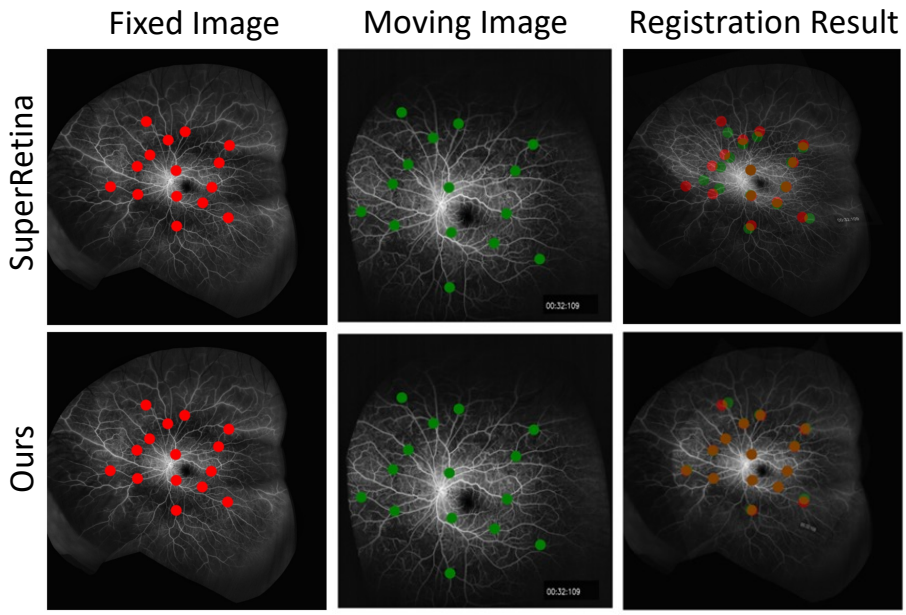

Figure 4: Visual comparison of the performance of RetinaRegNet and SuperRetina when registering an image pair with large displacement and scaling deformations. Red points represent landmarks on the fixed image, and green points represent the corresponding landmarks on the moving image. In the third column, the deformed images are overlaid with the fixed image, and landmarks on both the fixed and deformed images are shown in this overlay. The results demonstrate that our registration model significantly improves the alignment of the landmarks. The improved registration results are also evident in the much sharper overlaid image produced by our model.