Supplementary material to paper 2942: UWAT-GAN: Fundus Fluorescein Angiography Synthesis via Ultra-wide-angle Transformation Multi-scale GAN

1 More results of the UWAT-GAN

In Section 3.4, the ablation study shows the results and some enlarged views. Here, we present more results generated from the proposed framework. We randomly choose 5 pairs of pictures, doing the inference on them. For each pair, we provide a locally enlarged version. The first column in Fig. 1 displays the source UWF-SLO, the second displays the generated result, and the third display the source UWF-FA, respectively. In this part, the performance of the proposed framework could be seen either globally or locally. Single pair could be found in the directory 'generated pictures'. Blood vessels and eyeballs are clearly generated.

2 Some implementation details

In Section 2.2, it is stated that a fusion block takes both patches from Gen_F and Gen_C. To ensure getting the same region from Gen_F and Gen_C, we resized the images to the same size and cropped the patches from the same position. In Section 3.1, we chose the data splitting ratio 70%/30% since the dataset size was relatively small (around 3000 pairs). After collecting more data in the future, we can use 80%/20%. Moreover, to keep the same width and height when augmenting images, we trimmed the image corners during rotation. For non-square images, we restricted the rotation angle to be less than 40 degrees as the corners of non-square images typically contain less important information, which is tolerable.

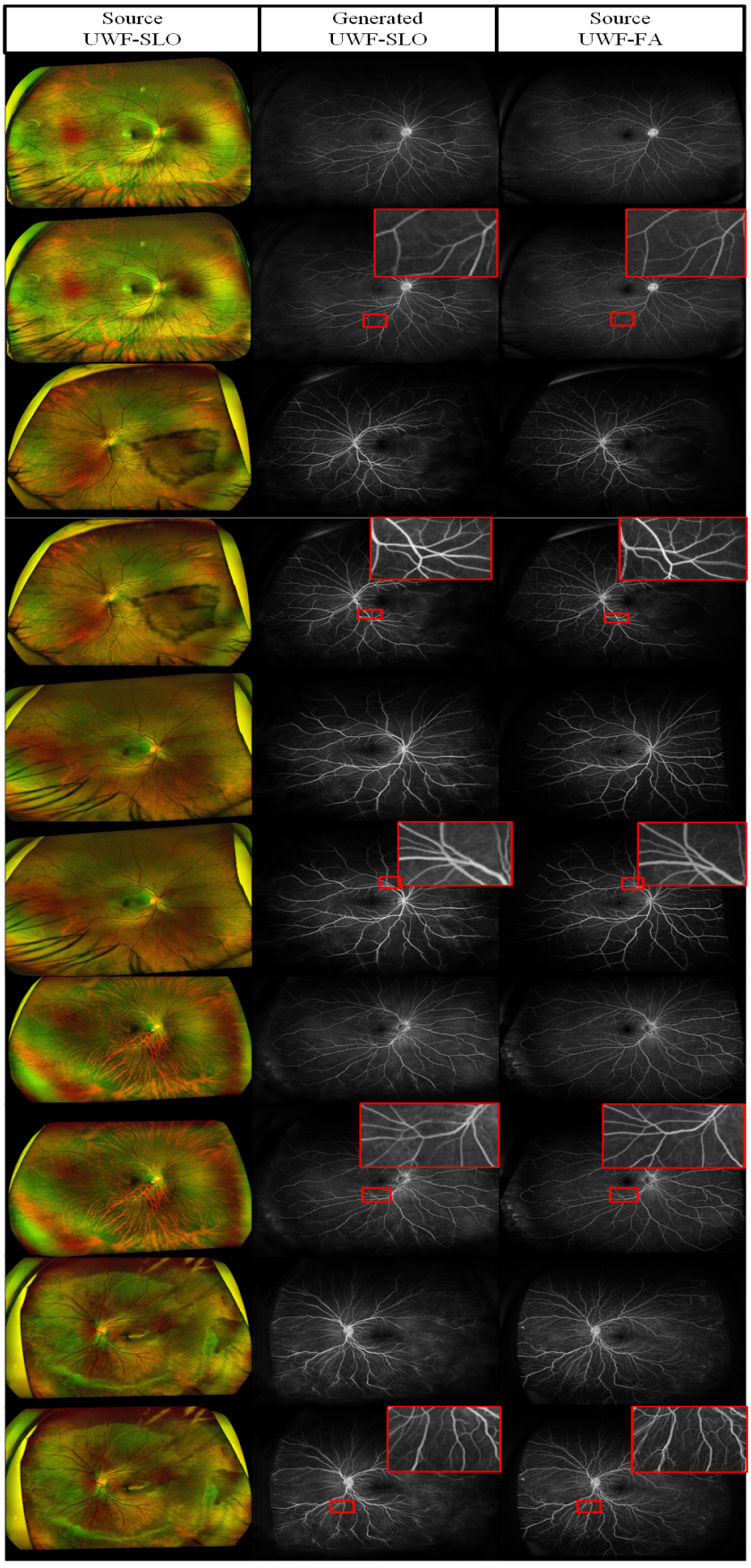

Fig. 1. The inference results of UWAT-GAN