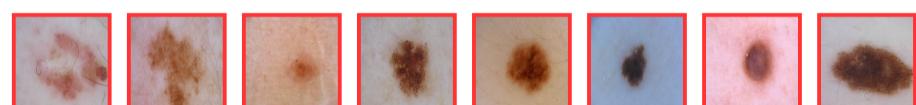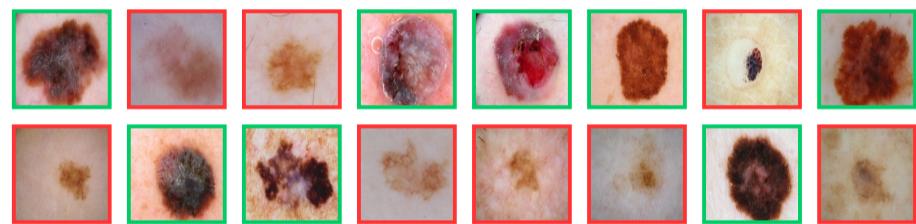The utilization of the FBGT and FAGT methods, which incorporate the CosSIF algorithm, is being applied to the malignant class of the ISIC-2016 dataset.
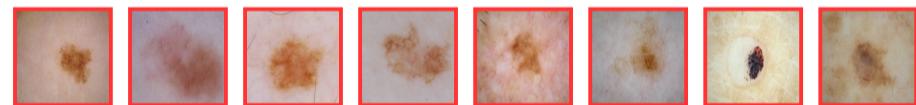
FBGT
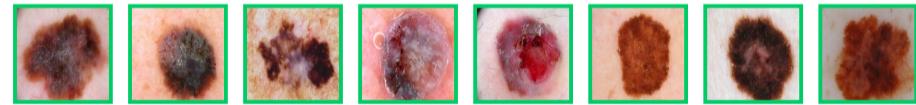
S^c = Real benign images

T^c = Real malignant images

CosSIF

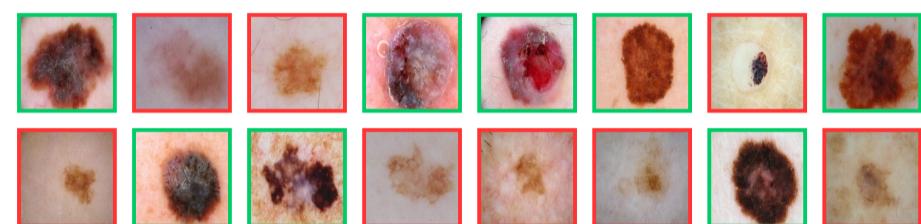Removed benign-like malignant images

Filtered malignant images

GAN

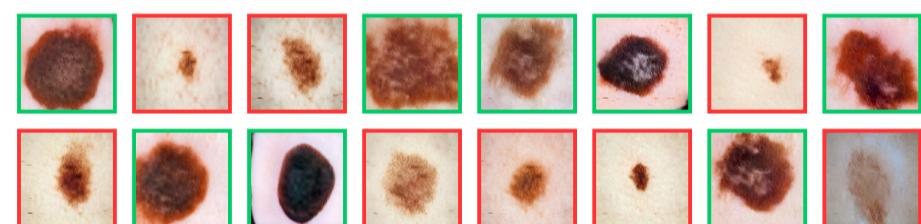$T^{[c]}_{filtered}$ = Filtered synthetic malignant images
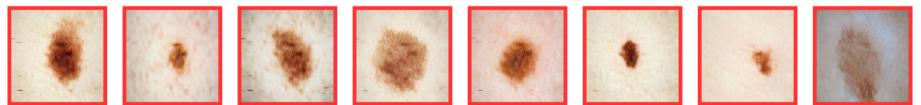
FAGT

S^c = Real malignant images

GAN

T^c = Synthetic malignant images

CosSIF

Removed synthetic malignant images with lower discriminative and benign-like features

$T^{[c]}_{filtered}$ = Filtered synthetic malignant images