the lesion image from the dataset. The lesions are placed in a random lung side from the original image from the
dataset. p stands for probability. The values highlighted in green show the data augmentation techniques in which
the P-value achieved values lower than 0.05, and thus the null hypothesis was rejected (i.e., there is a statistica
difference and the results achieved are better than without data augmentation). The F-scores highlighted in blue, and
the IoUs highlighted in red indicate the metrics where the proposed proposed salience augmentation achieved highe

Table 7.8: Results of the salience version of the data augmentation evaluation when unifying the training sets. The images were generated considering the minimum saliency distance between the image generated by the GAN and

the IoUs highlighted in red indicate the metrics where the proposed proposed salience augmentation achieved higher
values compared to both the generic data augmentation techniques and the random version proposed by (Krinski
et al., 2023). The underscored values show when training with the proposed salience augmentation achieved a
P-value lower than 0.05 when compared with training with the augmentation proposed by (Krinski et al., 2023), and
the null hypothesis was rejected.

the nu	he null hypothesis was rejected.											
p	Augmentation	CC-CCII		MedSeg		MosMed		Ricord1a		Zenodo		
		F-score	IoU	F-score	IoU	F-score	IoU	F-score	IoU	F-score	IoU	
	No Augmentation	0.8636	0.8087	0.8881	0.8253	0.8185	0.7547	0.8599	0.7947	0.9096	0.8514	

	an ny pounesis was i										
p	Augmentation	CC-CCII		MedSeg		MosMed		Ricord1a		Zenodo	
		F-score	IoU	F-score	IoU	F-score	IoU	F-score	IoU	F-score	IoU
	No Augmentation	0.8636	0.8087	0.8881	0.8253	0.8185	0.7547	0.8599	0.7947	0.9096	0.8514
	Stargan	0.8668	0.8112	0.8015	0.8204	0.8250	0.7617	0.8747	0.8122	0.0116	0.8543

p	Augmentation	CC-C	CH	MedSeg		MosNied		Ricordia		Zenodo	
		F-score	IoU								
	No Augmentation	0.8636	0.8087	0.8881	0.8253	0.8185	0.7547	0.8599	0.7947	0.9096	0.8514
0.05	Stargan Stylegan	0.8668 0.8590	0.8112 0.8032	0.8915 0.8884	0.8294 0.8263	0.8250 0.8199	0.7617 0.7567	0.8747 0.8692	0.8122 0.8057	0.9116 0.9114	0.8543 0.8539
	α.										

	No Augmentation	0.8636	0.8087	0.8881	0.8253	0.8185	0.7547	0.8599	0.7947	0.9096	0.8514
0.05	Stargan Stylegan	0.8668 0.8590	0.8112 0.8032	0.8915 0.8884	0.8294 0.8263	0.8250 0.8199	0.7617 0.7567	0.8747 0.8692	0.8122 0.8057	0.9116 0.9114	
0.1	Stargan Stylegan	0.8673 0.8681	0.8116 0.8127	0.8896 0.8900	0.8273 0.8278	0.8233 0.8260	0.7601 0.7625	0.8721 0.8751	0.8092 0.8125	0.9119 0.9117	0.8542 0.8544

0.05	Stylegan Stargan	0.8590	0.8032		0.8263 0.8273	0.8199	0.7567	0.8692 0.8721	0.8057	0.9114	0.8539
0.1	Stylegan	0.8681	0.8127	0.8900	0.8278	0.8260	0.7625	0.8751	0.8125	0.9117	0.8544

	Stylegan	0.8590	0.8032	0.8884	0.8263	0.8199	0.7567	0.8692	0.8057	0.9114	0.8539
0.1	Stargan Stylegan	0.8673 0.8681	0.8116 0.8127	0.8896 0.8900	0.8273 0.8278		0.7601 0.7625			0.9119 0.9117	
0.15	Stargan	0.8644	0.8089	0.8893	0.8272	0.8286	0.7652	0.8774	0.8155	0.9116	0.8542

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	Stylegan	0.8590	0.8032	0.8884	0.8263	0.8199	0.7567	0.8692	0.8057	0.9114	0.85
0.1	Stargan Stylegan								0.8092 0.8125		

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