	C		_	
images were generated considering the a random salier	cy distance between the imag	ge generated by	the GAN and	d the
lesion image from the dataset. The lesions are placed	l in the opposite lung side fr	om the origina	al image fron	n the
dataset. $p$ stands for probability. The values highlight	ed in green show the data au	gmentation ted	chniques in w	vhich
the P-value achieved values lower than 0.05, and thu	s the null hypothesis was re	jected (i.e., th	ere is a statis	stical
difference and the results achieved are better than with	out data augmentation). The	underscored	values show v	when

Table 7.6: Results of the salience version of the data augmentation evaluation when unifying the training sets. The

n	Augmentation	CC-CCII	MedSeg	MosMed	Ricord1a	Zenodo					
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.											
trainir	og with the proposed	l salience augmen	ntation achieved a	P-value lower that	n 0.05 when comp	ared with training					
	mee and the results	deine rea are bette	or than writing at au	ita aagiiiciitatioii).	The underscored	values show when					

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
								0.0650			

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
0.05	Stargan	0.8620	0.8072	0.8896	0.8271	0.8257		0.8678	0.8044	0.9104	0.8527

p	Augmentation	CC-CCII		MedSeg		MosMed		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	0.8620 0.8644	0.8072 0.8090	0.8896 0.8877	0.8271 0.8252	0.8257 0.8211	0.7633 0.7575	0.8678 0.8554	0.8044 0.7893	0.9104 0.9081	0.8527 0.8497

		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
0.05	Stargan Stylegan			0.8896 0.8877							

	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	0.8620 0.8644	0.8072 0.8090	0.8896 0.8877		0.8257 0.8211	0.7633 0.7575		0.8044 0.7893	0.9104 0.9081	0.8527 0.8497
0.1	Stargan	0.8647	0.8097	0.8881	0.8253	0.8258	0.7621	0.8648	0.8005	0.9108	0.8530

	No Augmentation	0.0050	0.0007	0.0001	0.0233	0.0103	0.7347	0.0377	0.7547	0.5050	0.0514
0.05	Stargan Stylegan		0.8072 0.8090		0.8271 0.8252						
0.1	Stargan	0.8647	0.8097			0.8258			0.8005		

0.1	Stylegan Stargan		0.8097	0.8881	0.8253	0.8258	0.7621	0.8648		0.9108	0.8530
	Stylegan	0.8662	0.8107	0.8888	0.8261	0.8220	0.7583	0.8644	0.8002	0.9092	0.8509

0.8271

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0.7633

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0.7579

0.7645

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0.7582

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0.7596

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0.7576

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0.8787

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0.8085

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0.8058

0.8088

0.8113

0.8154

0.8122

0.8139

0.8109

0.8172

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Stylegan

Stargan

Stylegan

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	Stylogan	0.8044	0.8090	0.8877	0.6232	0.6211	0.7373	0.8554	0.7693	0.9061	0.0497
0.1	Stargan Stylegan	0.8647 0.8662	0.8097 0.8107	0.8881 0.8888		$\frac{0.8258}{0.8220}$					0.8530 0.8509
0.15	Stargan	0.8628	0.8071	0.8889	0.8266	0.8282	0.7641	0.8695	0.8060	0.9111	0.8532