0.8511

0.8512

0.8525

0.8520

0.8548

0.8535

0.8539

0.8541

0.8548

0.8535

0.8566

0.8548

0.8553

0.8543

0.8562

0.8547

0.8548

0.8549

0.9093

0.9093

0.9107

0.9103

0.9123

0.9113

0.9114

0.9115

0.9119

0.9112

0.9136

0.9122

0.9125

0.9117

0.9132

0.9120

0.9121

0.9122

	-	_	_	
images were generated considering a random saliency distance between the image gen	erat	ed by the	GAN	I and th
lesion image from the dataset. The lesions are placed in a random lung side from tl	he o	riginal ir	nage i	from th
dataset. p stands for probability. The values highlighted in green show the data augme	ntati	on techni	iques	in whic
the P-value achieved values lower than 0.05, and thus the null hypothesis was rejected	ed (i	e., there	is a s	tatistica
difference and the results achieved are better than without data augmentation).				

Table 7.9: Results of the salience version of the data augmentation evaluation when unifying the training sets. The

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

		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	0.8635 0.8620	0.8084 0.8060			0.8224 0.8223				0.9102 0.9090	0.8519 0.8507

0.8241

0.8258

0.8282

0.8283

0.8281

0.8269

0.8260

0.8283

0.8278

0.8293

0.8274

0.8284

0.8296

0.8297

0.8288

0.8276

0.8287

0.8214

0.8184

0.8242

0.8308

0.8250

0.8281

0.8236

0.8269

0.8270

0.8303

0.8260

0.8292

0.8266

0.8292

0.8293

0.8288

0.8240

0.7566

0.7572

0.7550

0.7606

0.7670

0.7612

0.7649

0.7615

0.7637

0.7637

0.7672

0.7633

0.7648

0.7634

0.7652

0.7660

0.7651

0.7610

0.8655

0.8605

0.8626

0.8683

0.8724

0.8732

0.8760

0.8754

0.8754

0.8764

0.8792

0.8752

0.8764

0.8761

0.8787

0.8768

0.8767

0.8756

0.8013

0.7955

0.7980

0.8051

0.8094

0.8105

0.8139

0.8131

0.8133

0.8146

0.8178

0.8129

0.8143

0.8142

0.8170

0.8150

0.8147

0.8136

0.8030	0.8087	0.0001	0.6233	0.6163
	0.8084			
0.8620	0.8060	0.8882	0.8255	0.8223
0.8666	0.8102	0.8906	0.8284	0.8205

0.8869

0.8881

0.8909

0.8904

0.8907

0.8892

0.8888

0.8909

0.8902

0.8916

0.8901

0.8911

0.8916

0.8914

0.8915

0.8902

0.8909

Stargan

Stylegan

0.8626

0.8662

0.8663

0.8628

0.8671

0.8692

0.8646

0.8655

0.8642

0.8636

0.8659

0.8644

0.8638

0.8640

0.8685

0.8674

0.8669

0.8067

0.8109

0.8102

0.8067

0.8121

0.8129

0.8082

0.8098

0.8086

0.8087

0.8094

0.8090

0.8088

0.8077

0.8131

0.8126

0.8117

0.1

0.15

0.2

0.25

0.3

0.35

0.4

0.45

0.5