	Нуре	erparameter Tuni	ng	Final Results				
		Grid Search						
					Supervised Binary Classification on Source (OASIS-2)			
Classification					Model		ResNeXt-50	
Accuracy Values OASIS-2					AUC		0.91157	
PosNet 40					Accuracy		0.84897	
ResNet-18					Sensitivity/Recall		0.88489 0.80188	
Epochs LR 10 20 50 100					Specificity Precision		0.80188	
2.00E-04	0.75102	0.76745	0.78775	0.81632	F1		0.86925	
2.00E-05	0.70612	0.7102	0.72244	0.71836	• • • • • • • • • • • • • • • • • • • •		0.00323	
2.002 00	0.70012	0.7 102	0.72211	0.7 1000	Domain Ad	laptation Sourc	e: OASIS-2. Taro	net: OASIS-1
EfficientNet-B3					Domain Adaptation Source: OASIS-2, Target: OASIS-1 Model ResNeXt-50			
Epochs					Accuracy without DA		0.74624	
LR					Accuracy ADDA		0.83124	
2.00E-04	0.67755	0.7551	0.75918	0.77551	Sensitivity/Recall		0.82926	
2.00E-05	0.70659	0.70204	0.72653	0.7551	Specificity		0.83783	
					Precision		0.94444	
ResNeXt-50					F1		0.88311	
		Epoc	hs					
LR	10	20	50	100		Anomaly De	tection (AUC)	_
2.00E-04	0.77142	0.83265	0.85306	0.84489				
2.00E-05	0.72653	0.70612	0.7102	0.70612	Model		OASIS-1	OASIS-2
				Adversarial Autoencoder		0.60727	0.71692	
3D ResNet-18					Variational A	Autoencoder	0.67645	0.68715
Epochs LR 10 20 50 100					Domain Adaptation Source: OASIS-2, Target: OASIS-1 (AUC)			
2.00E-04	0.6122	0.53061	0.66938	0.59591	Domain Adaptation Source: OA		ASIS-2, Target:	UASIS-I (AUC)
2.00E-05	0.70612	0.70804	0.68979	0.6853	Model	Without DA	ADDA (For Supervised Anomaly Detection)	ADDA (For Unsupervised Anomaly Detection)
					Adversarial Autoencoder	0.78162	0.81097	0.73742
Best Model: ResNeXt-50, Best Hyper parameters: 50 epochs, 2e-4 LR					Variational Autoencoder	0.77341		
Domain Adaptation (ADDA)						Data Gonor	ation (EMD)	
	Accuracy Values S	• •	•			Data Gener	ation (LIVID)	
		,				OAS	SIS-1	
Model: ResNeXt-50, Critic LR: 1e-5, Target LR: 1e-6					Model		Generated Samples	Reconstructed Samples
Epochs					Adversarial Autoencoder		64.21179	63.64729
10	20	30	50	100	Variational A	Autoencoder	66.7877	66.27392
0.75	0.80125	0.78874	0.775	0.76625			10.0	
					OAS			
					Model		Generated Samples	Reconstructed Samples
					Adversarial Autoencoder		27.04159	28.40938
					Variational Autoencoder		25.15828	23.93365