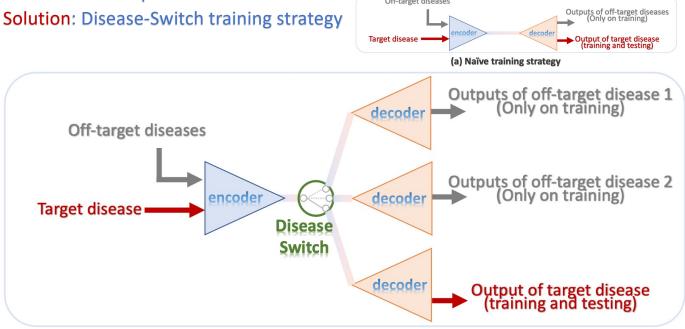
Using off-Target-Disease Data to Improve Target-								
	Disease	Lesion Segn	nento	tion	J.			
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Multiple Sclerosis	White Matter	Chronic Stroke	Disease	Dataset	# Samples		Avg.(%)	
Multiple Scierosis	Hyperintensities	Chronic Stroke	Disease	Dataset		. <b>.</b>		
1	Hyperintensities (WMH)		Disease	Dataset	per-Dataset	nples per-Disease	in Dataset	in Disease
(MS)	Hyperintensities (WMH)	Chronic Stroke (CS)	Disease	MSSEG [4]	per-Dataset 53	. <b>.</b>	in Dataset 0.5%	
1	21		Disease	MSSEG [4] MSLUB [5]	per-Dataset 53 30	. <b>.</b>	in Dataset 0.5% 1.3%	
1	21			MSSEG [4] MSLUB [5] JHU [6]	per-Dataset 53 30 21	per-Disease	in Dataset 0.5% 1.3% 0.4%	in Disease
1	21		MS	MSSEG [4] MSLUB [5] JHU [6] BCHUNC [7]	per-Dataset 53 30 21 20	per-Disease	in Dataset 0.5% 1.3% 0.4% 0.2%	in Disease
1	21			MSSEG [4] MSLUB [5] JHU [6] BCHUNC [7] NWMH [8]	per-Dataset 53 30 21	per-Disease	in Dataset 0.5% 1.3% 0.4%	in Disease
1	21		MS WMH	MSSEG [4] MSLUB [5] JHU [6] BCHUNC [7]	per-Dataset 53 30 21 20 60	per-Disease 124 90	in Dataset 0.5% 1.3% 0.4% 0.2% 1.2%	in Disease   0.6%   0.9%
1	21		MS	MSSEG [4] MSLUB [5] JHU [6] BCHUNC [7] NWMH [8] MRBrainS18 [9]	per-Dataset 53 30 21 20 60 30	per-Disease	in Dataset 0.5% 1.3% 0.4% 0.2% 1.2% 0.5%	in Disease

## Problem: 1, small-diffuse lesion 2, small sample size

Question: Whether adding more training data from datasets with different diseases (off-target diseases) can help improve the accuracy on the target disease with a small sample size?



## (b) Disease-Switch training strategy

