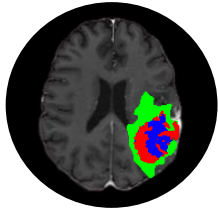
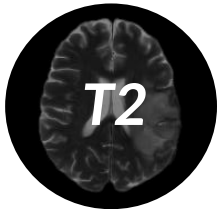
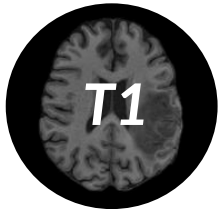
























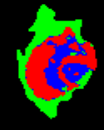



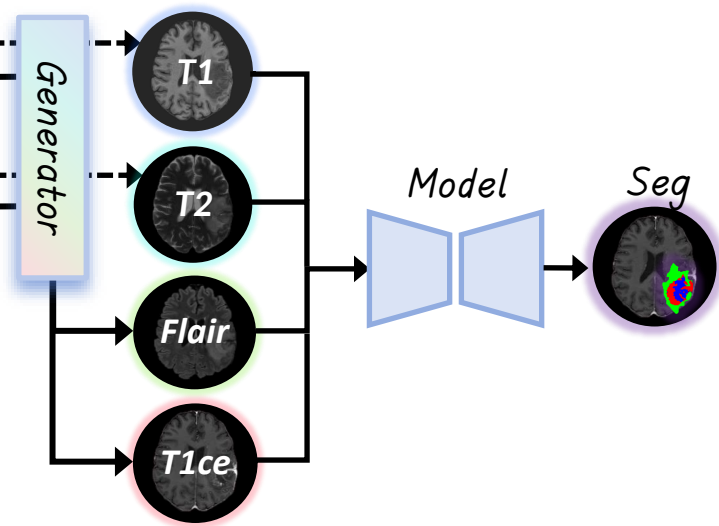


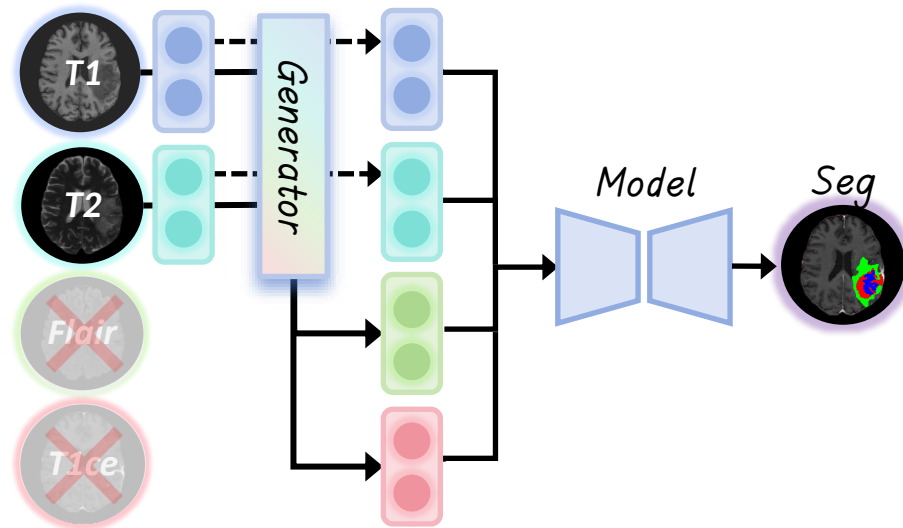
Complete					
T1ce+FLAIR+T2	T1 Missing				
	T1 Missing				
T1ce+FLAIR	T1 Missing	T2 Missing			
	T1 Missing	T2 Missing			
T1ce	T1 Missing	T2 Missing	FLAIR Missing		
	T1 Missing	T2 Missing	FLAIR Missing		
	T1	T2	FLAIR	T1C	GT



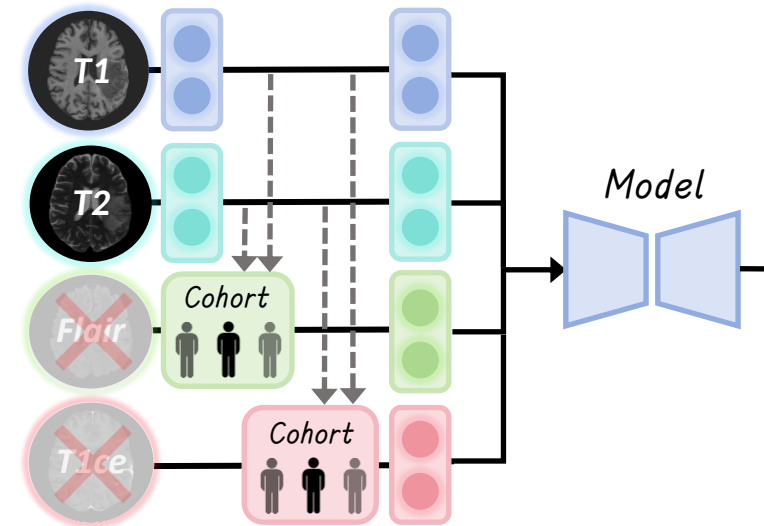
Modalities	mmformer	ACN	SMUNet	Ours	w/o MS-TKD	w/o GSM	w/o S
T1	FLair wt:0.91 tc:0.32 et:0.19 	FLair wt:0.93 tc:0.61 et:0.28 	FLair wt:0.93 tc:0.48 et:0.40 	FLair wt:0.93 tc:0.72 et:0.45 	FLair wt:0.70 tc:0.28 et:0.40 	FLair wt:0.91 tc:0.46 et:0.48 	FLair wt:0.90 tc:0.25 et:0.16 
T2	FLair+t1c wt:0.90 tc:0.46 et:0.41 	FLair+t1c wt:0.95 tc:0.66 et:0.33 	FLair+t1c wt:0.94 tc:0.59 et:0.51 	FLair+t1c wt:0.95 tc:0.72 et:0.51 	FLair+t1c wt:0.83 tc:0.62 et:0.47 	FLair+t1c wt:0.94 tc:0.57 et:0.47 	FLair+t1c wt:0.91 tc:0.34 et:0.21 
FLair	FLair+t1c+t2 wt:0.91 tc:0.53 et:0.45 	FLair+t1c+t2 wt:0.95 tc:0.65 et:0.32 	FLair+t1c+t2 wt:0.94 tc:0.56 et:0.51 	FLair+t1c+t2 wt:0.94 tc:0.75 et:0.52 	FLair+t1c+t2 wt:0.85 tc:0.64 et:0.48 	FLair+t1c+t2 wt:0.94 tc:0.47 et:0.40 	FLair+t1c wt:0.92 tc:0.26 et:0.15 
T1c	FLair+t1c+t2+t1 wt:0.91 tc:0.63 et:0.50 	FLair+t1c+t2+t1 wt:0.96 tc:0.78 et:0.83 	FLair+t1c+t2+t1 wt:0.92 tc:0.50 et:0.83 	FLair+t1c+t2+t1 wt:0.94 tc:0.87 et:0.83 	FLair+t1c+t2+t1 wt:0.87 tc:0.34 et:0.81 	FLair+t1c+t2+t1 wt:0.93 tc:0.51 et:0.83 	FLair+t1c wt:0.92 tc:0.37 et:0.70 



(a) Data Generation

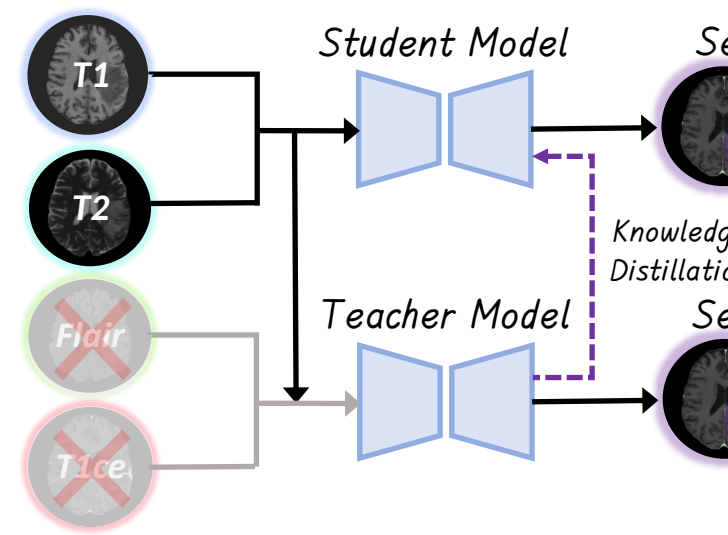
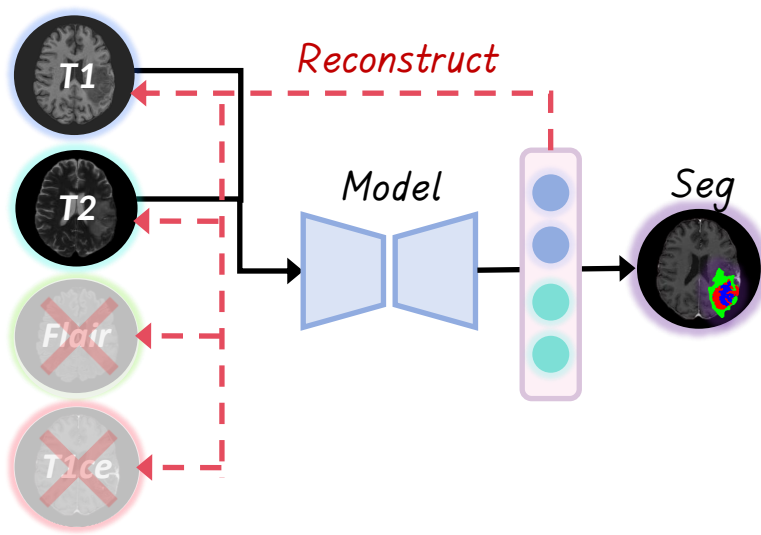
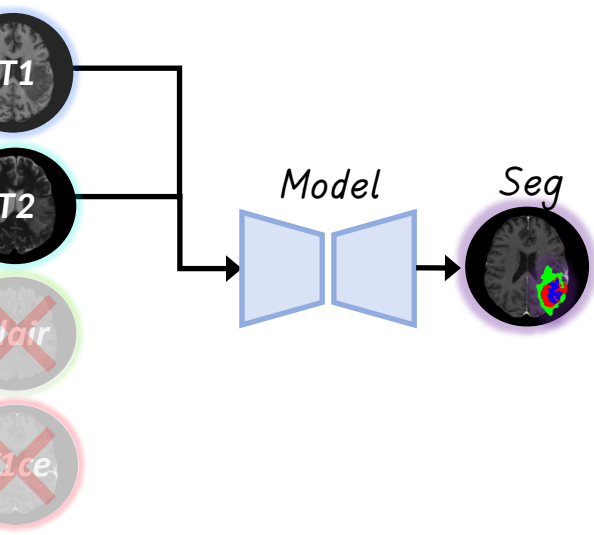


(b) Feature Generation

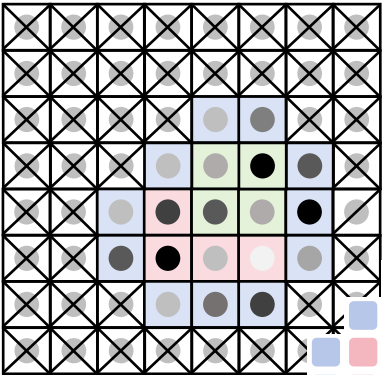


(c) Sample Retrieval

Imputation-free Methods

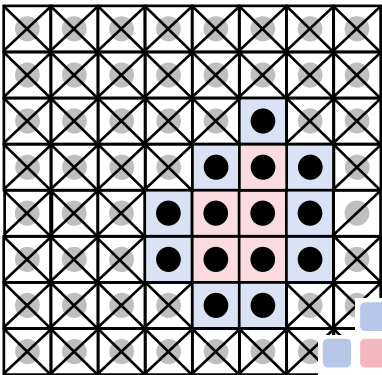


Probability Map of Student Model



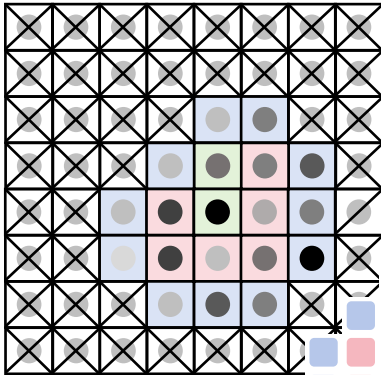
MSE

Probability Map of Label



MSE

Probability Map of Teacher Model



Entropy Loss



Entropy Loss

