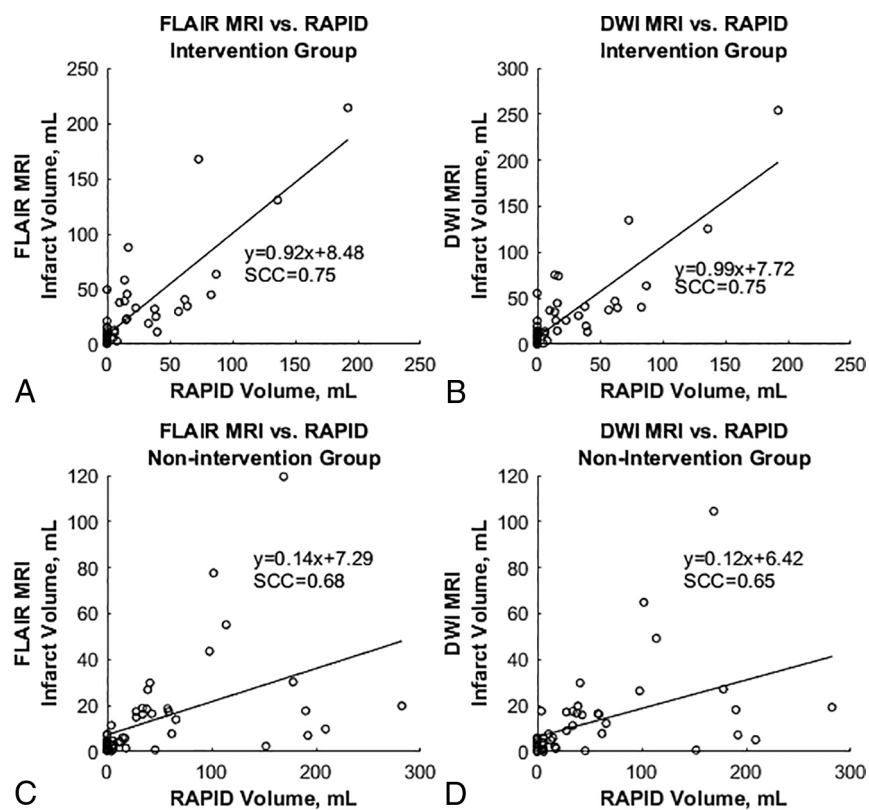
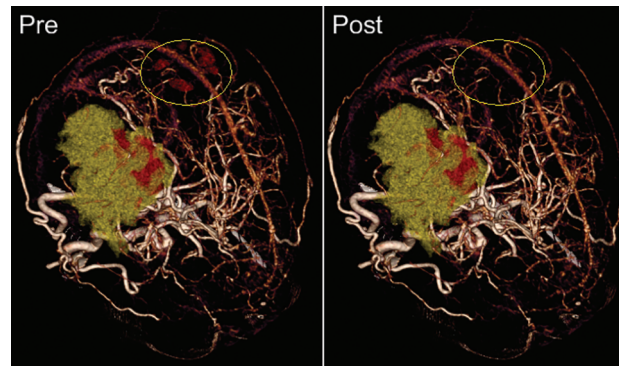


On-line Table: Mean difference and MAE between final infarct using DWI and FLAIR and predicted infarct using automatic Vitrea CTP software

Parameter/Final Infarct Predictor	Automatic Perfusion Software	Endovascular Intervention	Nonintervention
Mean infarct difference (mL)	DWI		
	Default Vitrea	-6.1	-14.2
	CBV Vitrea	2.5	-20.4
FLAIR	CBF Vitrea	14.1	-7.2
	Default Vitrea	-6.6	-12.0
	CBV Vitrea	2.0	-12.3
	CBF Vitrea	12.2	-5.0
Mean absolute error (mL)	DWI		
	Default Vitrea	20.2	18.7
	CBV Vitrea	17.0	39.8
FLAIR	CBF Vitrea	20.4	15.3
	Default Vitrea	19.7	19.2
	CBV Vitrea	16.4	24.2
	CBF Vitrea	20.3	16.7



ON-LINE FIG 1. The regression and correlation between final DWI and FLAIR infarct and predicted CTP infarct volumes. A and B, Relationship between final and predicted infarct volumes for intervention cases. C and D, The same relationship for nonintervention cases.



ON-LINE FIG 2. The location of detected infarct (red) and penumbra (yellow) tissue in a patient with an intervention, using the default Vitrea setting. The Pre image indicates the automatic detection of infarct and penumbra tissue, and within the yellow ROI, there is an erroneous infarct generated at the top of the skull. The Post image indicates the elimination of this erroneous infarct detection after user segmentation of the stroke region using the Vitrea built-in segmentation tool.