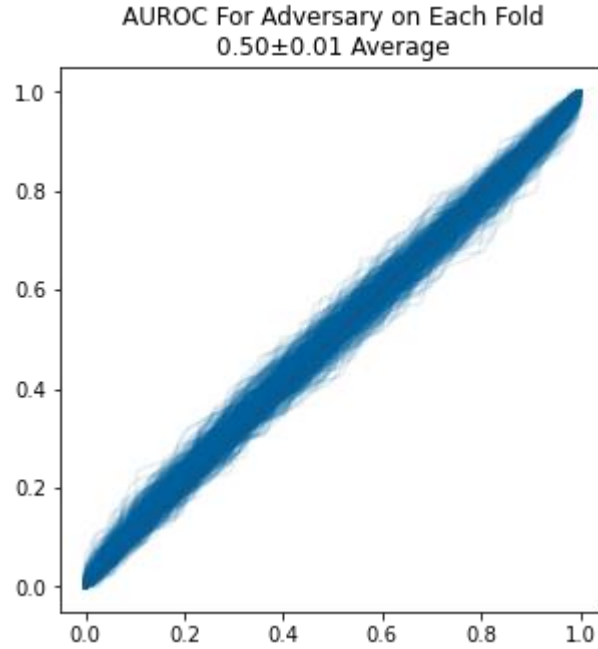## Supplementary Materials

Figure S1. A logistic regression adversary was trained on the test set to distinguish between real and simulated time window vectors. To do this, the test set was split with five-fold cross-validation. The adversary was trained on four of the chunks and tested on the last, and the ROC curve and AUROC score were recorded. The process was repeated 100 times for each of the five chunks used for testing.

Table S1. International Classification of Diseases (ICD) Ninth and Tenth Revision codes used to identify an ischemic stroke population.

Diagnosis Code	Code Type	Code Description
362.31	ICD-9	Central retinal artery occlusion
362.32	ICD-9	Retinal arterial branch occlusion
362.33	ICD-9	Partial retinal arterial occlusion
433.x1	ICD-9	Occlusion and stenosis of precerebral arteries with cerebral infarction
434.x1	ICD-9	Occlusion of cerebral arteries with cerebral infarction
436	ICD-9	Acute, but ill-defined, cerebrovascular disease
I63	ICD-10	Cerebral infarction
H34.1	ICD-10	Central retinal artery occlusion

| H34.2 | ICD-10 | Other retinal artery occlusions |