Sues presentation

Active learning algorithm chooses more informative unlabeled data, and query labels from a user.

The other method used is transfer learning. It is a common practice in imaging, it leverages whatever network parameters a model has learned through its extensive training without having to do that training ourselves.

Transfer learning in this case is used for featurizing each medical image to a single vector with hundreds of thousands of features. Then active-learning is performed.

The vector has 1000 features. The active learning implementation is starting with small set of labeled data, dividing it to train and validate.

Accuracy for active learning is higher than passive learning but decreases after a certain point

They wanted to design an app that allows a user to perform transfer and active learning using only a set of images.