Deep Learning in the Classification of Thoracic Radiographic Views to Enable Accurate and Efficient Clinical Workflows
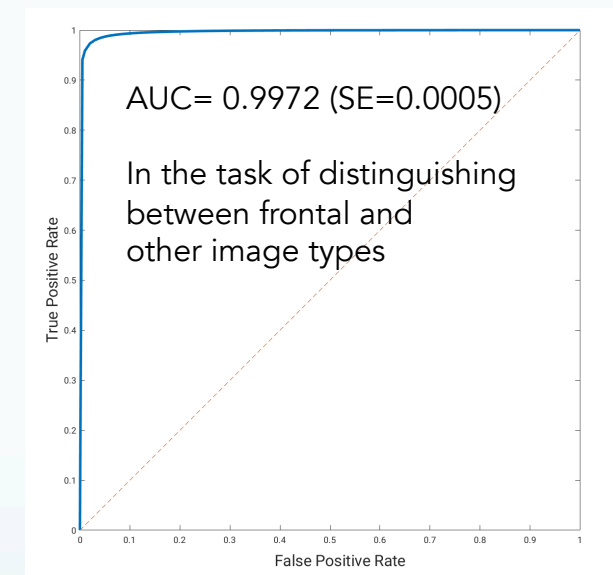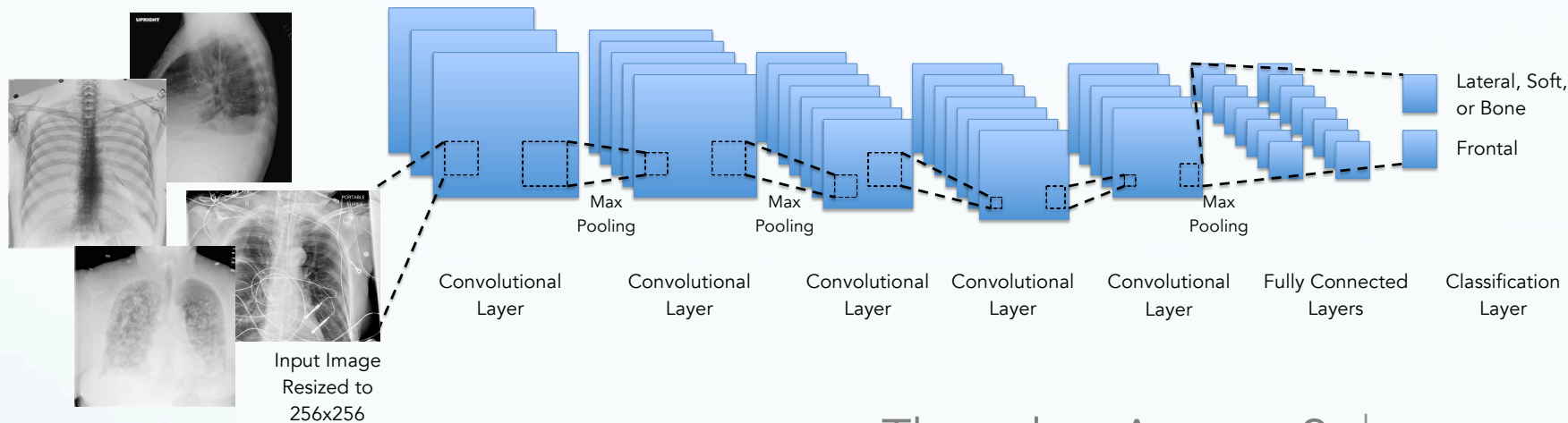
Methods

Results

Input Image Resized to 256x256

Convolutional Layer — Max Pooling — Convolutional Layer — Max Pooling — Convolutional Layer — Convolutional Layer — Convolutional Layer — Max Pooling — Fully Connected Layers — Classification Layer

Lateral, Soft, or Bone

Frontal

AUC= 0.9972 (SE=0.0005)

In the task of distinguishing between frontal and other image types

Thursday, August 2nd
Session: Radiography and Fluoroscopy
10:10 AM

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