

OBUS – Fetal Presentation Evaluation Report

Summary

The Fetal Presentation (FP) model was evaluated on the full testing set (not just the main testing set), which was defined by the UNC FAMLI team (see Table 2 in [\[2.1 Fetal Presentation Data Distributions\]](#)). Per the explanation in that document, only exams with ground truth gestational age above the 196-day threshold were evaluated. Furthermore, only the vertical blind sweeps in each exam were evaluated (all vertical blind sweeps), since it was found that vertical sweeps are better for predicting fetal orientation. The video-level ROC curve for the FP model on the testing set is shown in Figure 1. (Video-level ROC means that each video is considered a sample.) As noted in the [Fetal Presentation Overview] document, cephalic is considered the negative class, and non-cephalic the positive class.

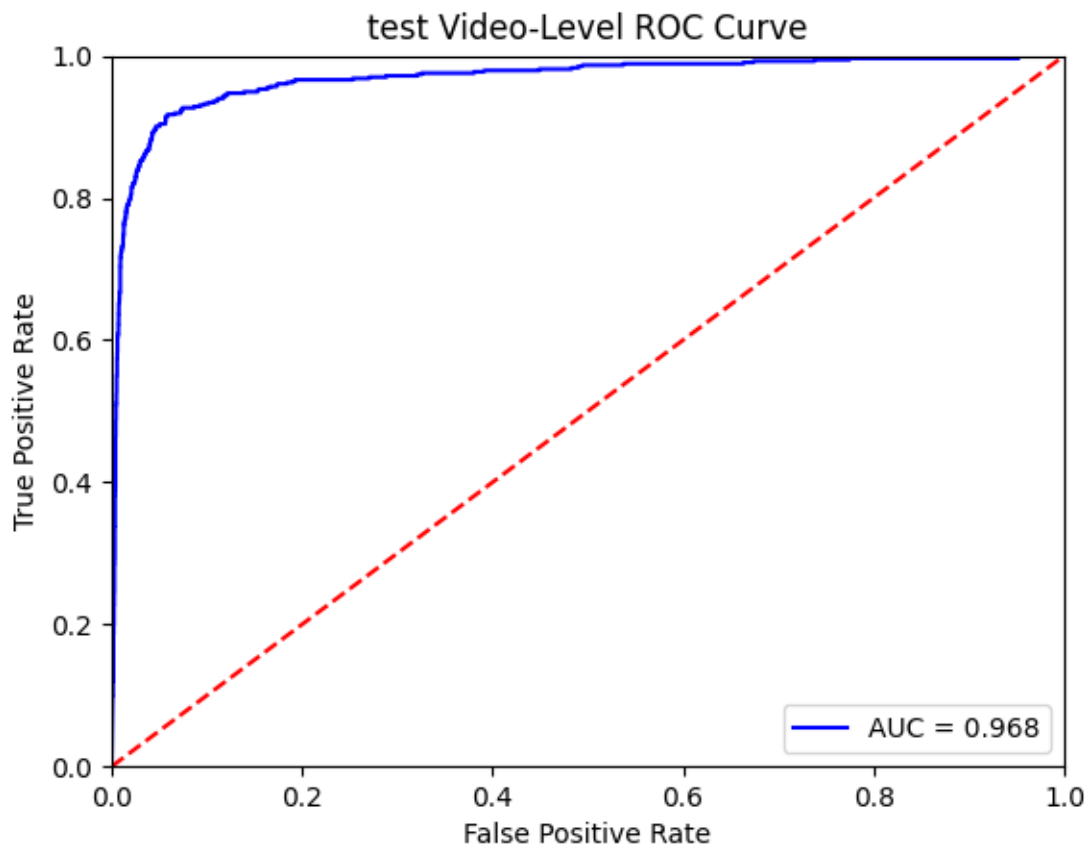


Figure 1. Video-level FP model results on the NEJM full testing set.

Figure 2 shows the corresponding exam-level ROC for the FP model. (Exam-level ROC means that the output scores of vertical sweeps are averaged before thresholding.)

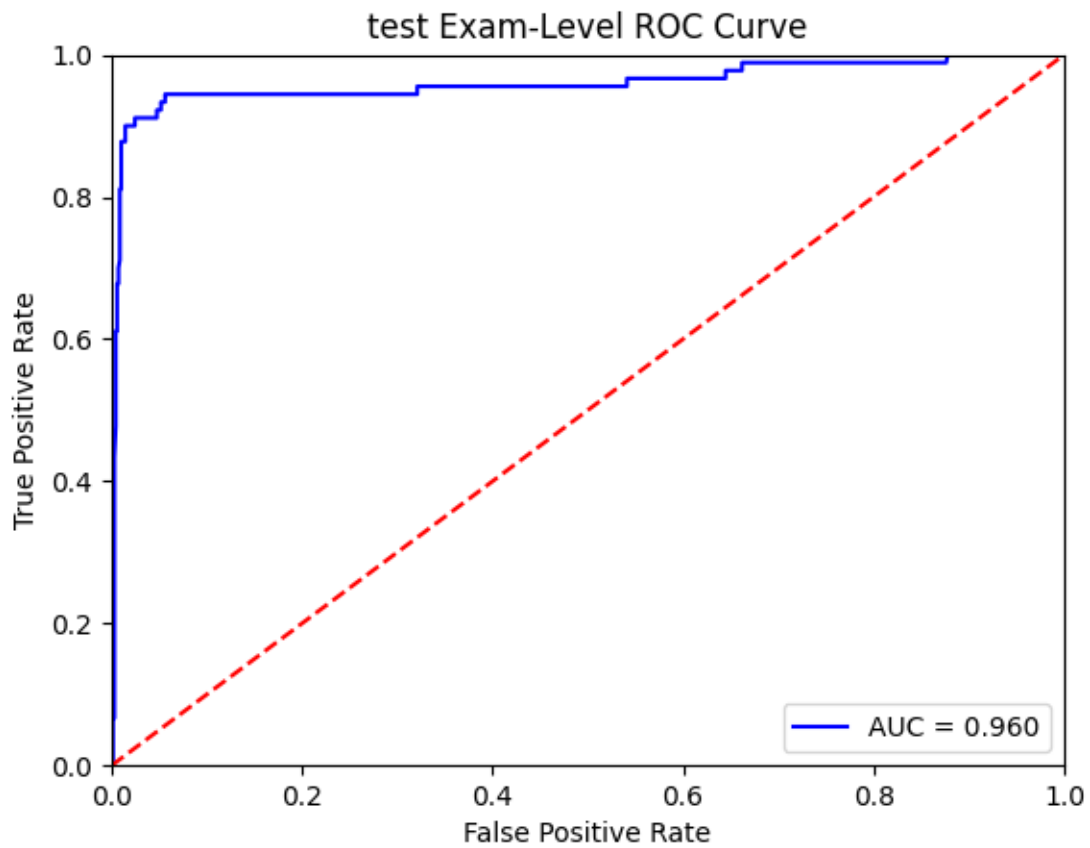


Figure 2. Exam-level FP model results on the NEJM full testing set.