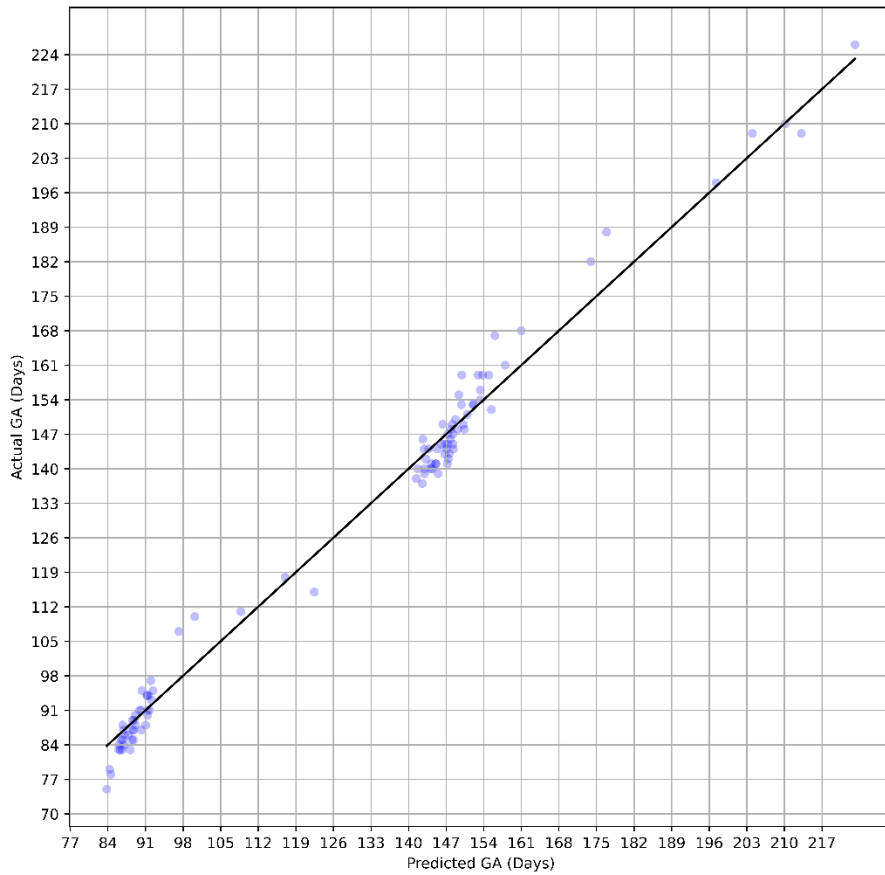
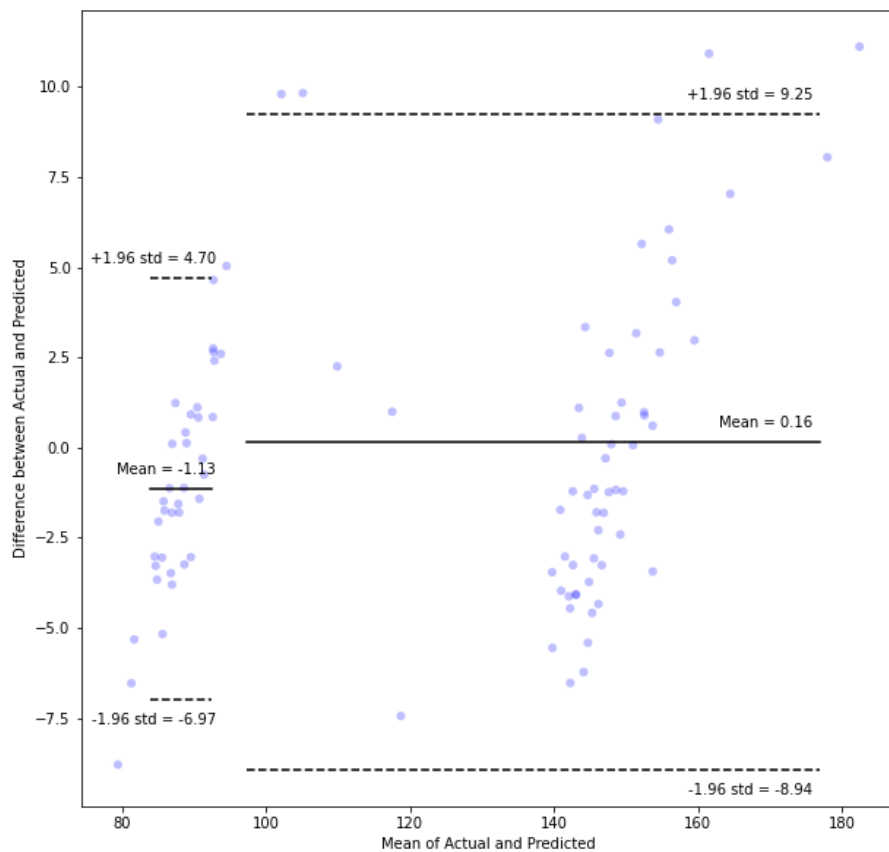


### Supplementary Appendix

**Supplementary Figure 1.** Predicted vs Actual GA Scatter Plot *based on video data*



**Supplementary Figure 2.** Predicted vs Actual GA Bland-Altman Plot *based on video data*



**Supplementary Movie 1:** Successful automated gestational age estimation at 12<sup>+0</sup> weeks of gestation  
**Supplementary Movie 2:** Successful automated gestational age estimation at 16<sup>+3</sup> weeks of gestation  
**Supplementary Movie 3:** Successful automated gestational age estimation at 23<sup>+0</sup> weeks of gestation  
**Supplementary Movie 4:** Unsuccessful automated gestational age estimation