Supplementary Fig. 2. Shapley additive explanation dependence plot for each input variable in the gradient boosted regression tree (GBRT) model for predicting the size of uncuffed endotracheal tubes (ETTs): (A) age, (B) weight, and (C) height. Shapley additive explanation dependence plot for each input variable in the GBRT model for predicting the size of cuffed ETTs: (D) age, (E) weight, and (F) height. Effect of a feature on the model's output and the distribution of the feature's value is visualized as a scatter plot in the Shapley dependence plot. Horizontal axis represents the value of each feature, and the vertical axis represents the Shapley values of a feature. The light grey area at the base of the plot represents a histogram displaying the distribution of data values.