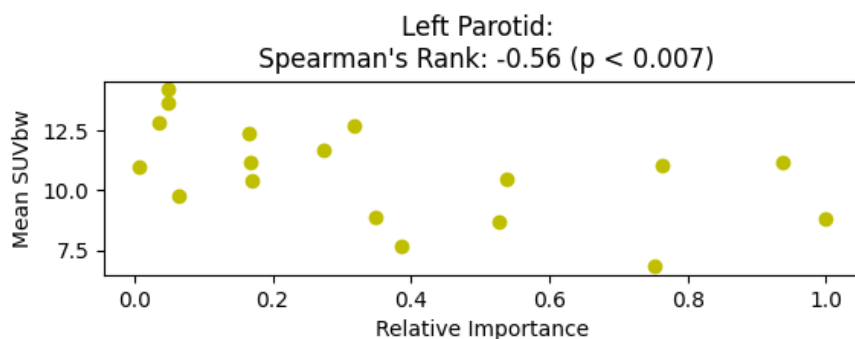
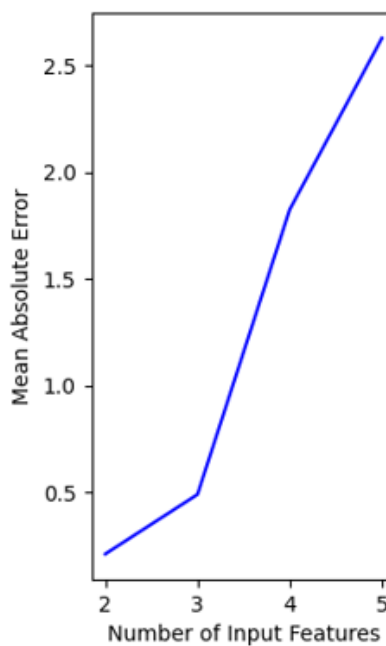
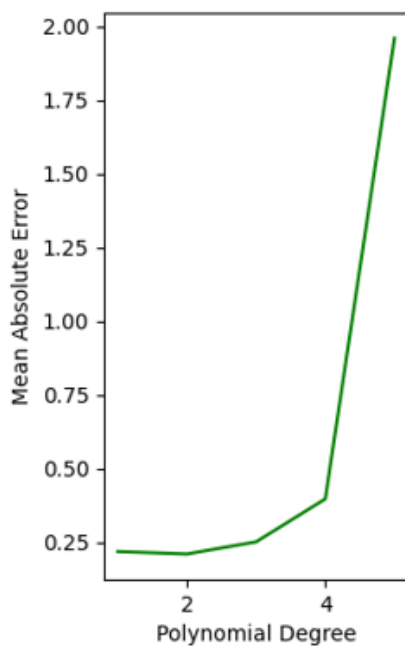
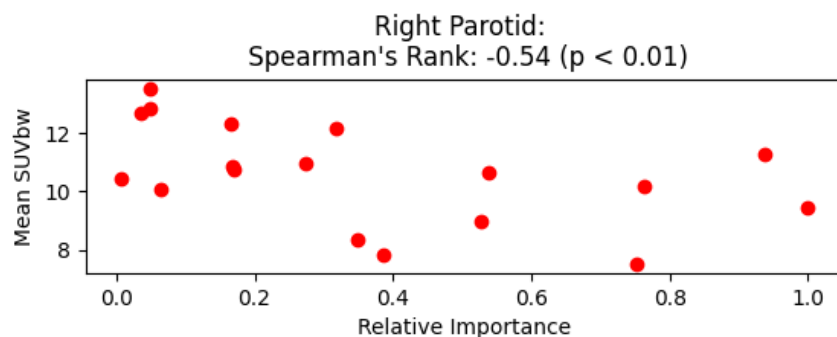


**Fig 1a:** A left parotid gland sub-segmented into 18 sub-regions of equal volume is illustrated using a heat map which depicts sub-region relative importance (left) and sub-region mean, normalized SUVbw (right) for the study cohort.



**Fig 1b:** The population mean of SUVbw and relative importance for each left and right parotid gland sub-region are illustrated on scatter plots, illuminating the negative correlation between the two mentioned variables.



**Fig 1:** The model which generated the lowest mean absolute error had a polynomial degree of 2 and used 2 input features. Here shows the trend of mean absolute error for all models with varying degrees (left) and a varying number of input features (right).