

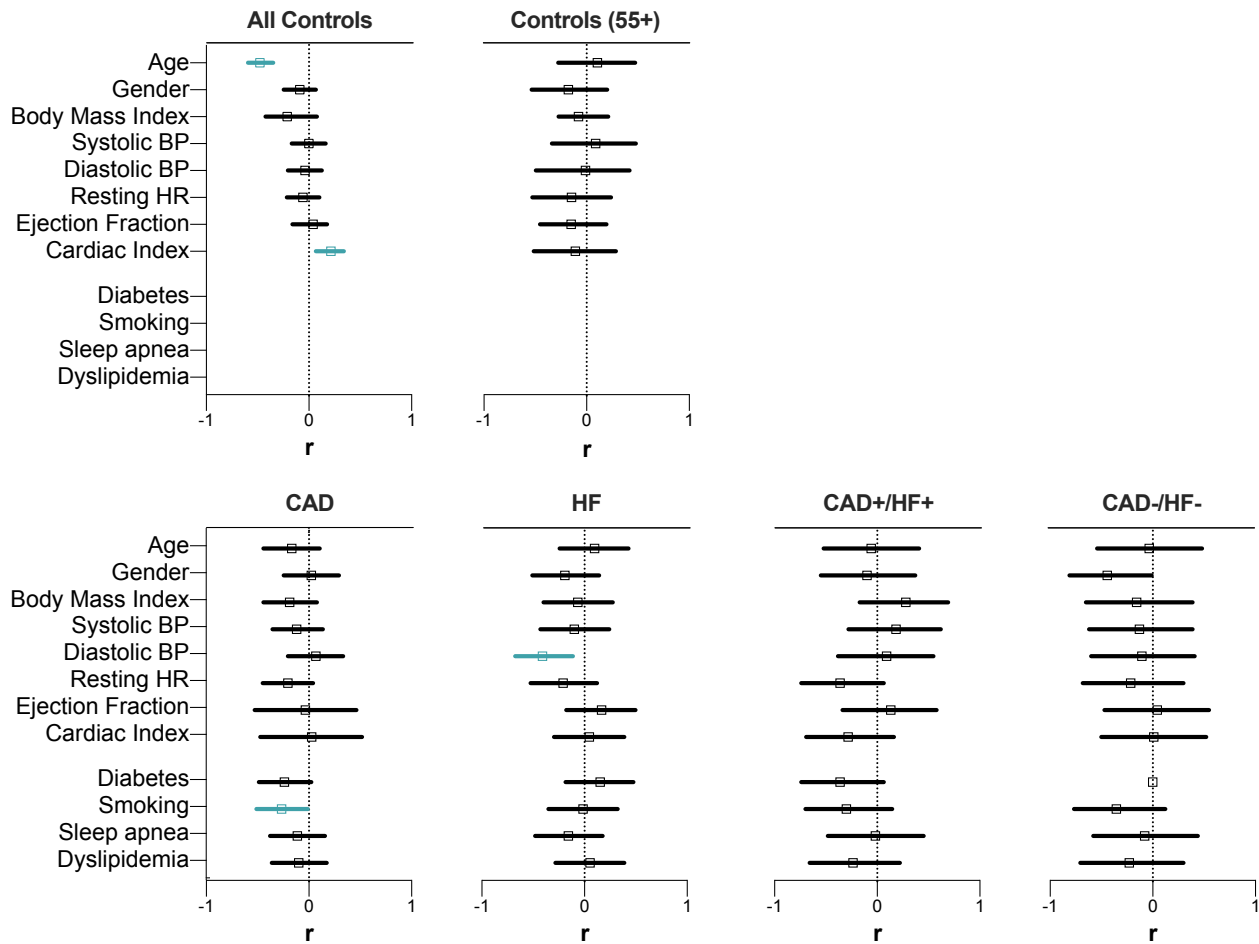
SUPPLEMENTAL INFORMATION

Hyperventilation-induced heart rate response as a potential marker for cardiovascular disease

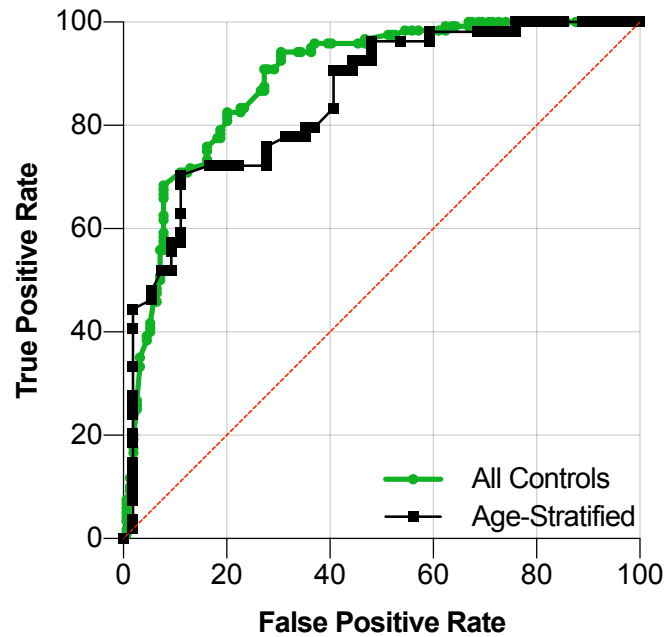
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Supplemental Figure 1: Correlation of HRR_{HV} with Demographic Variables



Linear analysis (*r*-coefficient with 95% confidence intervals) indicated that age, and cardiac index were associated with the heart rate response to hyperventilation (HRR_{HV}) in all controls, but were not related to the HRR_{HV} in the individual patient groups or controls aged 55 years and older. Blue markers indicate a significant correlation (**p*<0.05).

Supplemental Figure 2: ROC Curve

Receiver operator curve illustrating the diagnostic ability of binary classification (controls or combined cardiovascular disease group) based on the heart rate response to hyperventilation (HRR_{HV}). The green curve represents analysis of all healthy controls ($n=161$) in comparison to all patients ($n=121$), which does not account for any age differences. After age stratification (black), the difference in heart rate response remained significant ($n=54$ per group).