

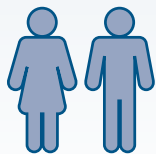
What Are the Cardiopulmonary Responses to Exercise and Pulmonary Vascular Responses in Young Adults Who Chronically Use E-Cigarettes?

STUDY DESIGN

PARTICIPANTS



20 Participants who use E-cigarettes (E-CIG)



20 matched controls

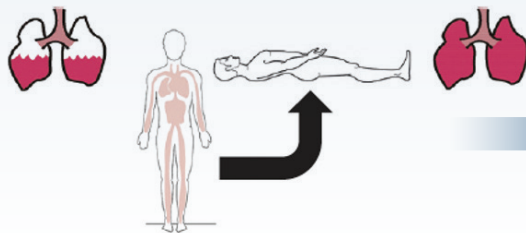
RESULTS

METHODS

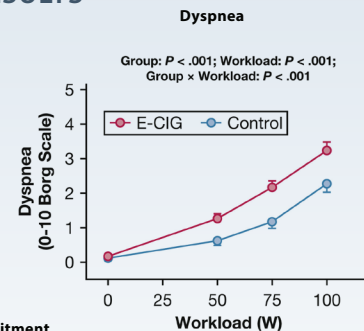
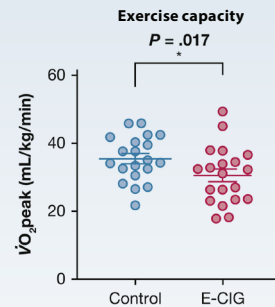
Cardiopulmonary exercise test



Postural pulmonary diffusing capacity for carbon monoxide (DLco) recruitment



RESULTS



In this study, young, otherwise healthy participants who chronically use e-cigarettes exhibited evidence of abnormal cardiopulmonary responses to exercise and blunted recruitment of DLco, suggesting early cardiopulmonary impairment and pulmonary vascular dysfunction in young adults who use e-cigarettes.