The Effect of a Tw -Week Cold Exposte Program on Body Composition and Resting Metabolic Rate in College- Aged Males

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## I. Abstract

Obesitis he most common metabolic disorder in humans and occus hen an imbalance of caloric intake and caloric expendite is present Wihin he hman organism, here are twknow pes of adipose issu: kite adipose issu (WAT) and browadipose isse (BAT) (2). WAT partcipaes in energy-brage, organ proection, and fuctions as an inslate layr, taile BAT's primaryrole is hermogenesis. The propose of his stlyas b determine if a less time intensity cold acclimation protocol (30) mintes at 10 °C [50°F], 3 times per wek for 2 weks) wild increase resing metabolic rate (RMR) as will as redue bodyfat percentage. Forten moderaelyacity, collegeaged males betten he ages of 19-23 wars at ended a bal of 8 sessions (2) data collection sessions and 6 acclimation sessions) our he span of 2.5 weks. Resing metabolic rate in both he hermonetal (TN) and cold conditions as will as bodycomposition were both measted befor e and after acclimation. A tend was observed hat