

Exercise-induced capillary density ups insulin sensitivity

June 20 2015



(HealthDay)—Exercise training is associated with an increase in skeletal muscle capillary density (CD), which contributes to improvements in glucose metabolism, according to a study published online June 11 in *Diabetes*.

Steven J. Prior, Ph.D., from the University of Maryland School of Medicine in Baltimore, and colleagues examined whether increases in [skeletal muscle](#) CD contribute to exercise-induced improvements in whole-body insulin sensitivity (M/I). Twelve previously sedentary older men and women underwent six months of aerobic exercise training followed by a two-week detraining period.

The researchers found that exercise training correlated with significant

increases in [maximal oxygen uptake](#), CD, and M/I (all P

"These results suggest that an increase in CD is one mechanism contributing to sustained improvements in [glucose metabolism](#) after aerobic [exercise training](#)," the authors write.

More information: [Abstract](#)
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Citation: Exercise-induced capillary density ups insulin sensitivity (2015, June 20) retrieved 20 April 2024 from
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