

Short Reports()

# Relationship between Oxygen Uptake and Work Performance of Female Fischer 344 Rats in Response to Treadmill Exercise

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## Abstract

This study was undertaken to determine the oxygen uptake ( $VO_2$ ) and work performance of female Fischer 344 rats in response to treadmill exercise. A linear relationship between  $VO_2$  and running speed was investigated. Although it was difficult to set running speed as equal to  $\%VO_2\text{max}$  at less than 50%  $VO_2\text{max}$ , several  $\%VO_2\text{max}$  intensities ( $>50\%VO_2\text{max}$ ) could be estimated as equal to the running speed in female Fischer 344 rats.

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