## Rough day at work? You might not feel like exercising

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Have you ever sat down to work on a crossword puzzle only to find that afterwards you haven't the energy to exercise? Or have you come home from a rough day at the office with no energy to go for a run?

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"Cognitive tasks, as well as emotional tasks such as regulating your emotions, can deplete your self-regulatory capacity to exercise," said Kathleen Martin Ginis of McMaster University in Ontario, lead author of the study. "You only have so much willpower."

Martin Ginis and colleague Steven Bray used a so-called Stroop test to deplete the self-regulatory capacity of volunteers in the study. A Stroop test consists of words associated with colours but printed in a different colour. For example, "red" is printed in blue ink. Subjects were asked to say the colour on the screen, trying to resist the temptation to blurt out the printed word instead of the colour itself.

"After we used this cognitive task to deplete participants' self-regulatory capacity, they didn't exercise as hard as participants who had not performed the task," Martin Ginis said.

Still, she doesn't see that as an excuse to let people loaf on the sofa.

"There are strategies to help people rejuvenate after their self-regulation is depleted,"

she said. "Listening to music can help; and we also found that if you make specific plans to exercise—in other words, making a commitment to go for a walk at 7 p.m. every evening—then that had a high rate of success."

She said that by constantly challenging yourself to resist a piece of chocolate cake, or to force yourself to study an extra half-hour each night, then you can actually increase your self-regulatory capacity.

"Willpower is like a muscle: it needs to be challenged to build itself," she said.