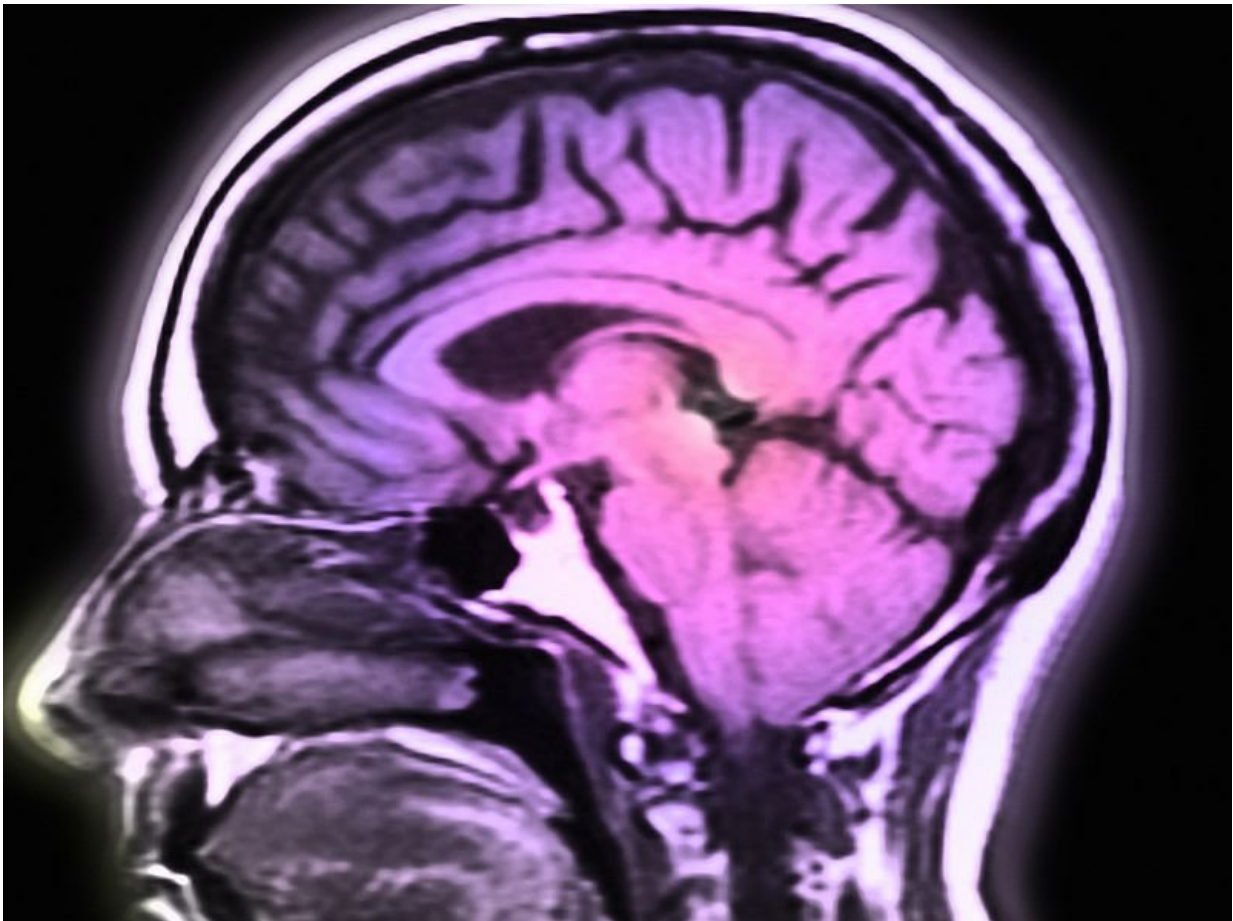


Transcranial direct current stimulation no aid to memory

December 15 2017



(HealthDay)—Anodal transcranial direct current stimulation (tDCS)

applied to the left dorsolateral prefrontal cortex (DLPFC) may not enhance short-term memory in healthy individuals, according to a study published online Nov. 23 in *CNS Neuroscience & Therapeutics*.

Jing Wang, from Capital Medical University in Beijing, and colleagues assessed whether tDCS impact short-term memory (digit span and visual short-term memory), as well as the optimal timing of tDCS administration.

The researchers found that tDCS of the left DLPFC did not influence intentional digit span [memory](#) performance, regardless of whether administered before the task or during the task. When administered before the task, tDCS of the DLPFC showed no effect on visual [short-term memory](#). However, there was a trend of increased false alarms associated with tDCS of the DLPFC when administered during the task.

"Further studies are required to taking into account the baseline performance of subjects and time-dependence feature of tDCS," the authors write.

More information: [Abstract](#)
[Full Text \(subscription or payment may be required\)](#)

Copyright © 2017 [HealthDay](#). All rights reserved.

Citation: Transcranial direct current stimulation no aid to memory (2017, December 15)
retrieved 23 April 2024 from
<https://medicalxpress.com/news/2017-12-transcranial-current-aid-memory.html>

<p>This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.</p>
--