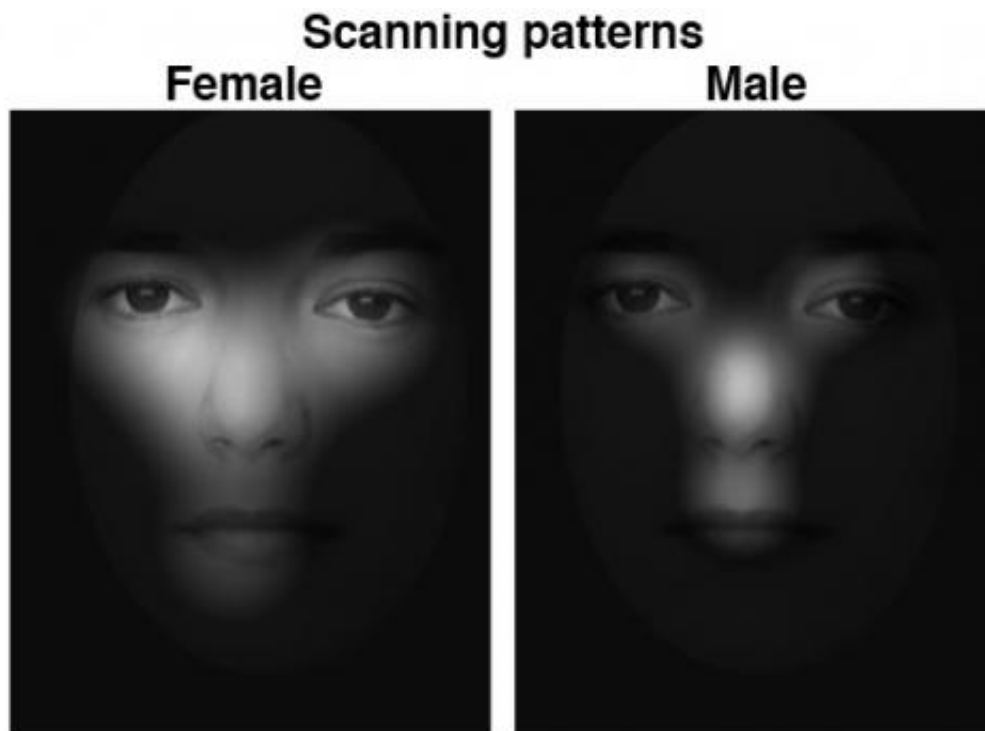


Never forget a face? Researchers find women have better memory recall than men

June 4 2013



This is a figure showing the scanning patterns of a female and a male when viewing the same face for the first time. Credit: McMaster University

New research from McMaster University suggests women can remember faces better than men, in part because they spend more time studying features without even knowing it, and a technique researchers say can help improve anyone's memories.

The findings help to answer long-standing questions about why some people can remember faces easily while others quickly forget someone they've just met.

"The way we move our eyes across a new individual's face affects our ability to recognize that individual later," explains Jennifer Heisz, a research fellow at the Rotman Institute at Baycrest and newly appointed assistant professor in the Department of [Kinesiology](#) at McMaster University.

She co-authored the paper with David Shore, [psychology professor](#) at McMaster and psychology graduate student Molly Pottruff.

"Our findings provide new insights into the potential mechanisms of [episodic memory](#) and the differences between the sexes. We discovered that women look more at new faces than men do, which allows them to create a richer and more superior memory," Heisz says.

[Eye tracking](#) technology was used to monitor where [study participants](#) looked—be it eyes, nose or mouth—while they were shown a series of randomly selected faces on a computer screen. Each face was assigned a name that participants were asked to remember.

One group was tested over the course of one day, another group tested over the course of four days.

"We found that women fixated on the features far more than men, but this strategy operates completely outside of our awareness. Individuals don't usually notice where their eyes fixate, so it's all subconscious."

The implications are exciting, she says, because it means anyone can be taught to scan more and potentially have better memory.

"The results open the possibility that changing our eye movement pattern may lead to better memory," says Shore. "Increased scanning may prove to be a simple strategy to improve face memory in the general population, especially for individuals with memory impairment like older adults."

The study is published in the journal *Psychological Science*.

Provided by McMaster University

Citation: Never forget a face? Researchers find women have better memory recall than men (2013, June 4) retrieved 20 March 2024 from <https://medicalxpress.com/news/2013-06-women-memory-recall-men.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>
--