

# Genes play an important role in children exploring the world in a visual way

Genetics plays a strong role in discovering the environment visually by studying the eye movements of twins.

Genetics plays a strong role in how people explore the world visually with a study that tracks the eye movements of twins.

" *People realize that this observation is very important,* " said Daniel Kennedy, a professor at Indiana University at the American College of Arts and Sciences.



" *Our eyes are moving continuously, about three times per second. We are always looking for information and looking at our environment positively, and ultimately what you see affects development. yours,* " Kennedy said.

The researchers compared the eye movement of 466 babies - 233 twins between the ages of 9 and 14 when they saw 80 real-life shots that simulate things they might encounter in life. daily.

Using an eye monitor, researchers then measured the sequence of eye movements in both space and time as each child watched the scene in the photos.

Published in Current Biology, the study found strong similarities in the look of identical twins, who tend to see the same characteristics of a scene in the same order. display yourself.

This shows that a genetic component has a strong impact on how they perceive the environment they live in visually.

The researchers said that stronger similarities in the eye movements of identical twins may be due to the presence of the gene.

The researchers also found that they were able to identify babies with twin relationships if missed by using a new trace method combined with common visual models.

*" The eye activities allow individuals to get specific information from a large space and are not restricted by the selection process, which will help us create tests, " Kennedy said. New intuitive future '.*

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