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### **TV test: Eye motion reveals attention trouble**



Because the test is so simple—just "watch and enjoy" television for 20 minutes—the researchers believe it could help diagnose some children and elderly patients who might not comply with more difficult tests. The patients' eye movements can reveal a range of neurological disorders, including ADHD and Parkinson's disease. (Credit: [iStockphoto](#))

**USC (US)** — A new way of detecting neurological dysfunction requires very little from the patient: just 20 minutes of watching TV.



Providing new insights into which aspects of attention and gaze control are affected by specific disorders, the team's method provides considerable promise as an easily deployed, low-cost, high-throughput screening tool, especially for young children and elderly populations who may be less compliant to traditional tests.

“For the first time, we can actually decode a person's neurological state from their everyday behavior, without having to subject them to difficult or time-consuming tests,” Itti says.

Funding for the research came from the National Science Foundation, the Army Research Office, the Human Frontier Science Program, and the Canadian Institutes of Health Research.

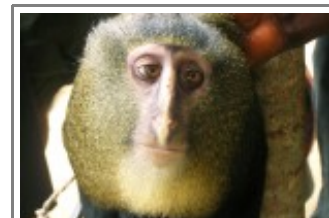
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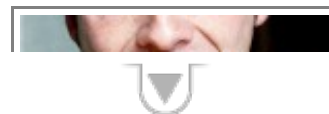
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nerf herder  
Sep 7, 2012 15:15

Well, the big question is, how do people with ADHD (if that really is a “disorder”), FASD or Parkinsons watch TV differently? Do they look around more or less or at different targets than ‘normal’ people? As a first guess, I'd say ADHD at least would involve more eye movements than a more normal sedentary person, but I read this article hoping to find out.

Jean Nystrom  
Sep 9, 2012 13:51

I totally agree with this article. I have switched to a neurofeedback platform- playattention. I believe that the eyes can tell a story within their depths. When she uses this program she has to focus not only with her mind but also - with her eyes. Neuro stimulation and behavior shaping is the results.

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