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'Blindsight' Used in Everyday Life Scenes: Subjects With Visual Impairment Turn Eyes to Motion, Brightness, and Color

ScienceDaily (June 28, 2012) — The visual information from eyes is sent into the brain unconsciously even if you are not aware. One of examples of unconscious seeing is a phenomenon of "blindsight" [Subjects have no awareness, but their brains can see] in subjects with visual impairment, caused by the damage of a part of the brain called the visual cortex. Although it is already reported that the patients with damage in the visual cortex, who were not aware of seeing, can walk and avoid obstacles, it was not proved whether this was really blindsight.

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see.

Assistant Professor YOSHIDA said, "this new finding indicates that blindsight can be used in everyday life of patients with hemianopia by cerebrovascular disorder. Then, there is the possibility that patients with visual impairment can recover their hidden visual function by rehabilitation." He also said "measurement of eye movements during viewing movie clips can be an efficient method to examine how well the patients can see unconsciously."

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Journal Reference:

- Masatoshi Yoshida, Laurent Itti, David J. Berg, Takuro Ikeda, Rikako Kato, Kana Takaura, Brian J. White, Douglas P. Munoz, Tadashi Isa. **Residual Attention Guidance in Blindsight Monkeys Watching Complex Natural Scenes.** *Current Biology*, 2012; DOI: [10.1016/j.cub.2012.05.046](https://doi.org/10.1016/j.cub.2012.05.046)

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