

Revolutionary invention of vision-restoring

概要

Vision-restoring may be possible near future. Monkeys can perceive artificially induced patterns in their brains by building an implant that bypasses the eyes. A team of Netherlands Institute for Neuroscience (NIN) developed implants consisting of 1024 electrodes wired into visual cortexes. The visual cortex of monkeys is located at the back of the brain and many of its features are common to humans. Developing these technologies could help the world's 40 million blind people. At present, the electrodes the team used require silicon needles. Development of Wireless electrodes is a next challenge.

語彙リスト

- vision-restoring→視力回復
- implant→埋め込む
- dot→点
- phosphene→眼閃、眼内閃光<閉じた眼のまぶたの圧力や視覚組織への機械的電氣的干渉によって光が感じられること。>
- electrodes→電極
- wired into→中に配線(プログラミング)する
- visual cortex→視覚野
- sighted→目の見える
- prosthetic→人工装具
- convert→転換する