

## Using fMRI for NeuroFeedback

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A company called Omneuron aims to use MR Imaging for neurofeedback purposes, although they aren't calling it neurofeedback.

The company is using fMRI (real-time functional magnetic resonance imaging) to measure blood flow to different parts of the brain and use it to teach sufferers of chronic pain, depression, addiction and other psychological conditions to see which parts of the brain are activated while performing different tasks.

It is essentially neurofeedback using fMRI instead of EEG.

Another company called No Lie MRI is trying to sell similar technology to companies and agencies in the government as a replacement to the polygraph. A New York Times article about this new use for fMRI can be found [here](#)

Omneuron's web site is [here](#)

Other articles about Omneuron Technology:

Technology Review: Seeing Your Pain: Learning to consciously alter brain activity through MRI feedback could help control pain and other disorders.

Science:  
Neuroscience: A Better View of Brain Disorders

Nature: Thought  
Control Brings Pain Into Line

Science:  
Thinking the Pain Away

NY Times (Science Times): Relief  
from Chronic Pain may be a Thought Away

Technology Review: Looking at  
Your Brain on Drugs: If addicts watch their brain's changing blood  
flow during a craving, they may be able to train themselves to kick  
the habit.

BBC: Brain scans  
help think away pain

BBC Radio Piece:  
Brain scans help think away pain

ABC News: Mind  
Over Matter for Pain?

Reuters Health:  
Consciously controlling brain activation may reduce pain  
perception

Fox News: Brain Can  
Be Trained to Reduce Pain

Forbes:  
Pain Sufferers Use Brain to Find Relief

NPR Radio Piece:  
Tracking and Controlling Pain by Sight