

**Question:**

Can injured neurons signal upside-down behaviors?

**Answer:** Yes, injured neurons, certainly misfire the wrong information. Every nerve cell in the brain is wired to send and receive messages via electrical or chemical signals. When neurons receive messages, they instantaneously process the message and resend to other neurons. The brains' chemical messengers are carried by **neurotransmitters** that attach onto **receptors**. The **neurotransmitter and receptor** work together unlocking, identify, interrupting, responding, forwarding the message through the body. Injured neurons unfortunately misshape the thought, and signal the wrong behaviors.

**Upside-down behaviors are symptoms of chemically induced injuries to the neurons.** The disruptive misinformation can powerfully change the personality, lower the IQ and impair or destroy the brain's ability to logically think or judge situations. These upside down behaviors, are symptoms of a mental disorder: **Substance Use Disorder**.

**Recommended Reading on neurons and overall toxicity of drugs (Daniel M. Perrine. The Chemistry of Mind-Altering Drugs)**

**Also check out (drugabuse.gov) Google drugs that injure neurons**