

## TMS for Pain

rTMS is effective via several complex pathways. One mechanism, in particular, appears to involve opioids, which are the body's natural pain-relieving chemicals. When rTMS stimulates the brain area involved in pain, there is a significant release of opioids. In conjunction with several other brain chemical systems, this provides substantial pain relief beyond the time of stimulation.

To manage pain, an area of the brain called the primary motor cortex (M1) is typically targeted. A range of other, different regions of the brain could be stimulated for other forms of pain such as neuropathic pain, fibromyalgia, and migraines. rTMS can also be used to treat tinnitus (ringing in the ears).

(Courtesy, Modalis).