

## Patient History

A 69 year-old female with a history of migraine symptoms presented at a neurologist’s office in the West. The patient stated that her migraine symptoms had begun at 8 years of age. Although symptomatic since 8 years of age, she did not experience frequent visual auras and head pain until her late 50s. In her first meeting, she reported 15 severe headache days and 7 minor headache days per month. In addition, she reported feeling tired and mild confusion, even on her pain-free days. She had been treated unsuccessfully as a teenager for sinus headaches, with progressive difficulties concentrating in school due to being in constant pain. After thorough neurologic and radiologic assessment, the neurologist diagnosed chronic migraine syndrome.

## Medication and Treatment History

### Relief Attempts

- Sumatriptan
- Topiramate injections
- Magnesium and Butterbur
- Nerve Blocks
- Sublingual Rizatriptan
- Tizanadine (4mg) every night
- Anti-depressants (wide range)
- Frovatriptan
  
- Botulinum toxin type A by injection

### Results

- No effect
- No effect
- No effect
- Some blocks provided relief; others had no effect
- Some relief
- Provided some relief
- Induced mild confusion so discontinued
- Induced side effects including vertigo, nausea, tiredness, skin irritation and mild confusion
- Provided relief but caused allergic skin reaction

## SpringTMS Therapy

- Patient was prescribed the SpringTMS to help mitigate migraine symptoms.
- Prescription: Administer 4 pulses BID, with up to 9 pulses prn for acute migraine rescue.

## Results

- Since starting use of sTMS 5 months ago, patient reported having had only 2 severe migraine attacks.
- When used at first symptoms of oncoming headache, administering 2 pulses resulted in disruption of migraine
- Patient reported complete elimination of severe pain during migraine attacks; diary confirmed reports.
- When used at first symptoms of oncoming headache, administering 2 pulses resulted in disruption of migraine.
- Patient reported no side effects from sTMS use and on headache-free days, during which she felt completely clear-headed.
- Eliminated all rescue medications

## Summary

### Before SpringTMS

- 15 severe migraine days per month
- 7-8 headache free days per month while still feeling fatigued and mildly confused

### After SpringTMS

- **<1 severe migraine days per month**
- **15 headache free days per month with no symptoms of tired or confusion**